

# Zubehörteile

# Accessories

# Accessoires

## – weishaupt –

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# – weishaupt –

In dieser neuen Weishaupt-Zubehörteilliste finden Sie ein Angebot erstklassiger, geprüfter Zubehörteile für Öl- und Gasfeuerungsanlagen.

Die zentrale Zusammenfassung aller Zubehörteile in dieser Liste macht es möglich, auf die Aufführung von Zubehörteilen in den Brennerprospekten zu verzichten.

Alle Zubehörteile die in Verbindung mit Weishaupt-Brennern benötigt werden, sind in dieser Liste erfaßt.

Die besonderen Vorteile unseres Angebotes sollten Sie beim Einkauf Ihrer Zubehörteile nicht unberücksichtigt lassen:

- Weishaupt-Qualitätsmaßstäbe bei der Auswahl aller Teile garantieren Güte und Funktion.
- Sie haben einen einzigen Lieferanten für Brenner und Zubehör. Und nur einen, der die Verantwortung für alles trägt. Dazu sparen Sie durch die vereinfachte Abwicklung.
- Sie benötigen keine eigene teure Lagerhaltung. Das übernimmt Weishaupt für Sie.

**Bitte geben Sie bei der Bestellung an:**

Stückzahl \_\_\_\_\_  
Bezeichnung \_\_\_\_\_  
Bestell-Nr. \_\_\_\_\_  
Preis \_\_\_\_\_  
Liefertermin \_\_\_\_\_  
Brennertyp \_\_\_\_\_  
Fabriknummer \_\_\_\_\_

This new Weishaupt accessories list offers first rate, tested accessories for oil and gas fired installations.

By compiling all the accessories available for Weishaupt burners in this list, it is not necessary to list additional parts in the burner brochures.

You should not overlook the particular advantages of purchasing your accessories from us:

- Parts are selected in accordance with Weishaupt's quality standards, ensuring worthiness and reliability.
- A single supplier for burners and additional parts simplifies your ordering process and means there is only one supplier who is responsible for everything.
- No need for expensive storage facilities for accessories – Weishaupt takes care of that for you.

**Please include the following details with your order:**

Quantity required \_\_\_\_\_  
Description \_\_\_\_\_  
Order No. \_\_\_\_\_  
Price \_\_\_\_\_  
Required delivery date \_\_\_\_\_  
Burner type \_\_\_\_\_  
Serial-No. \_\_\_\_\_

Dans cette liste d'accessoires Weishaupt, vous trouverez une offre d'accessoires éprouvés et de qualité pour installations de combustion au fioul et au gaz.

Le rassemblement de tous accessoires dans cette liste, nous permet d'omettre ces accessoires dans les brochures concernant les brûleurs mêmes.

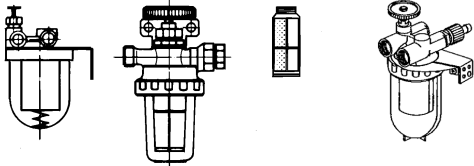
Tous les accessoires nécessaires aux brûleurs Weishaupt, figurent dans cette liste.

Profitez des avantages de notre offre lors de vos achats d'accessoires:

- La qualité et le fonctionnement de tous ces accessoires sont garantis par les normes de qualité Weishaupt.
- un seul fournisseur pour le brûleur et les accessoires, donc une seule firme responsable des appareils. Un système simple et économique.
- pas de stockage coûteux. Weishaupt le fait pour vous.

**Veillez indiquer lors de votre commande:**

Nombre de pièces \_\_\_\_\_  
Dénomination \_\_\_\_\_  
Numéro de commande \_\_\_\_\_  
Prix \_\_\_\_\_  
Délai de livraison \_\_\_\_\_  
Type brûleur \_\_\_\_\_  
No de fabrication \_\_\_\_\_

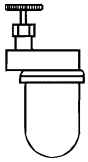


1.101  
1.102      1.103      1.104      1.105

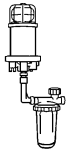
| Nr.        | Bezeichnung  | Bestell-Nr.<br>Order No.<br>N° de commande | Preis EUR<br>(o. MwSt.) |
|------------|--|--|-------------------------|
| <b>1.</b>  | <p><b>Zubehör Ölbrenner</b></p> <p><b>Auswahl der Heizölfilter</b><br/>Bei der Auswahl der Heizölfilter ist folgendes zu beachten:</p> <p>Empfehlung Maschenweite:<br/>Heizöl EL: 100 µm<br/>Heizöl M+S: 200 µm</p> <p><b>Einstranginstallation:</b><br/>Bei der Einstranginstallation muss der Filter nach dem maximalen Öldurchsatz des Brenners ausgelegt werden.</p> <p><b>Zweistranginstallation:</b><br/>Bei der Zweistranginstallation muss die maximale Pumpenfördermenge zugrunde gelegt werden.</p> <p><b>Siehe auch Weishaupt Arbeitsmappe – Technische Arbeitsblätter 2.4:</b><br/>Arbeitsblatt 6-2.1 Dimensionierung von Heizölleitungen<br/>Arbeitsblatt 7-1.4 Blatt 1 Armaturen für Öl; Weishaupt-Filter für Heizöl EL<br/>Arbeitsblatt 7-1.4 Blatt 2 Armaturen für Öl; Weishaupt-Filter für Heizöl M und S mit Heizpatrone<br/>Arbeitsblatt 7-1.4 Blatt 3 Armaturen für Öl; Weishaupt-Filter für Heizöl M und S mit Stellantrieb und Heizpatrone<br/>Arbeitsblatt 7-1.5 Blatt 1 Armaturen für Öl; Brenner-Pumpen-Fördermengen<br/>Arbeitsblatt 7-1.5 Blatt 2 Armaturen für Öl; Brenner-Pumpen-Fördermengen</p> |  |                         |
| <b>1.1</b> | <b>Heizölfilter</b>  |  |                         |
| 1.101      | <p><b>Zweistrangfilter Heizöl EL</b><br/><b>Filter Z 3/8 500 St</b><br/>mit Befestigungswinkel; Edelstahlsieb 100µ; Filtertasse aus durchsichtigem Kunststoff<br/>Anschlüsse: tankseitig: 2 x G3/8 i mit 2 x Universalverschraubung für Rohr 8, 10 oder 12 mm<br/>brennerseitig: 2 x G3/8 a für Schlauchanschluss<br/>Durchflussmenge: 220 l/h<br/>Betriebstemperatur: max. 40° C<br/><b>nur für Saugbetrieb geeignet</b></p>  | 493 388                                    |                         |
| 1.102      | <p><b>Filter Z 1/2 - 500 St</b><br/>mit Befestigungswinkel; Edelstahlsieb 100µ; Filtertasse aus durchsichtigem Kunststoff<br/>Anschlüsse: tankseitig: 2 x G1/2 i<br/>brennerseitig: 2 x G1/2 i<br/>Durchflussmenge: 500 l/h<br/>Betriebstemperatur: max. 40° C<br/><b>nur für Saugbetrieb geeignet</b></p>   | 493 383                                    |                         |
| 1.103      | <p><b>Einstrangfilter Heizöl EL</b><br/><b>Filter V 500 Si</b><br/>mit Befestigungswinkel; Sinterkunststoffsieb 50 µ; Filtertasse aus durchsichtigem Kunststoff<br/>Anschlüsse: tankseitig: 1 x G3/8 i mit Universalverschraubung für Rohr 8, 10 oder 12 mm<br/>brennerseitig: 1 x G3/8 a für Schlauchanschluss<br/>Durchflussmenge: 250 l/h<br/>Betriebstemperatur: max. 40° C<br/><b>nur für Saugbetrieb geeignet</b></p>  | 493 370                                    |                         |
| 1.104      | <p><b>Filter V 1/2 - 500 St</b><br/>mit Befestigungswinkel; Edelstahlsieb 100µ; Filtertasse aus durchsichtigem Kunststoff<br/>Anschlüsse: tankseitig: 1 x G1/2 i<br/>brennerseitig: 1 x G1/2 i<br/>Durchflussmenge: 560 l/h<br/>Betriebstemperatur: max. 40° C<br/><b>nur für Saugbetrieb geeignet</b></p>   | 493 403                                    |                         |
| 1.105      | <p><b>Ölfilter DN15, G1/2 Innengewinde,</b><br/>für Einstrangsystem mit Absperrung und Rücklaufzuführung<br/>mit Befestigungswinkel, Filtertasse aus Cellidor<br/>schnellschließendes Absperrventil mit doppelter O-Ring Abdichtung<br/>Entlüftungsventil f. Inbetriebnahme<br/>Sinterkunststoffsieb 50-75µ<br/>Anschlüsse: tank u. brennerseitig G1/2<br/>Durchfluss: bis 500 l/h<br/>max. Betriebstemperatur 40°C<br/><b>nur für Saugbetrieb geeignet</b></p>  | 493 538                                    |                         |

| No.        | Description  |
|------------|--|
| <b>1.</b>  | <p><b>Oil burner accessories</b></p> <p><b>Selection of fuel oil filters</b><br/>The following should be observed when selecting the fuel oil filters:</p> <p>Recommended aperture:<br/>Fuel oil EL: 100 µm<br/>Fuel oil M+S: 200 µm</p> <p><b>Single pipe installations:</b><br/>On single pipe installations the filter has to be suitable for the maximum oil throughput of the burner.</p> <p><b>Two pipe installations:</b><br/>On two pipe installations the filter must be suitable for the maximum pump capacity.</p> <p><b>See also Weishaupt work folder - technical work sheets 2.4:</b><br/>Work sheet 6-2.1 Dimensioning of fuel oil lines<br/>Work sheet 7-1.4 sheet 1 Fittings for oil, Weishaupt filter for oil EL<br/>Work sheet 7-1.4 sheet 2 Fittings for oil, Weishaupt filter for oil M, S<br/>Work sheet 7-1.4 sheet 3 Fittings for oil, Weishaupt filter for oil M, S<br/>Work sheet 7-1.5 sheet 1 Fittings for oil, burner pump capacities<br/>Work sheet 7-1.5 sheet 2 Fittings for oil, burner pump capacities</p> |
| <b>1.1</b> | <b>Fuel oil filters</b>  |
| 1.101      | <p><b>Two pipe installation Fuel oil EL</b><br/><b>Filter Z 3/8 500 St</b><br/>with fixing bracket; stainless steel strainer 100 µ; clear plastic sediment bowl<br/>Connections: tank side: 1 x G3/8 f w. adaptor for 8, 10 or 12 mm pipe<br/>burner side: 1 x G3/8m for hose connection<br/>Capacity: 220 l/h<br/>Max. operating temperature: max. 40 °C<br/>only suitable for gravity operation</p>  |
| 1.102      | <p><b>Filter Z 1/2 500 St</b>, for two pipe operation<br/>with fixing bracket; stainless steel strainer 100 µ; clear plastic sediment bowl<br/>Connection: tank side: 1 x G1/2f<br/>burner side: 1 x G1/2f<br/>Capacity: 500l/h<br/>Operating temperature: max. 40 °C<br/>only suitable for gravity operation</p>  |
| 1.103      | <p><b>Filter Z 3/8 500 St, Fuel oil EL</b><br/>with fixing bracket; stainless steel strainer 100 µ; clear plastic sediment bowl<br/>Connections: tank side: 1 x G3/8 f w. adaptor for 8, 10 or 12 mm pipe<br/>burner side: 1 x G3/8m for hose connection<br/>Capacity: 220 l/h<br/>Max. operating temperature: max. 40 °C<br/>only suitable for gravity operation</p>  |
| 1.104      | <p><b>Single pipe filter V500 Si</b><br/>with fixing bracket; sinter plastic strainer 50 µ; clear plastic sediment bowl<br/>Connections: tank side: 1 x G3/8 f w. adapter for 8, 10 or 12 mm pipe<br/>burner side: 1 x G3/8 m for hose connection<br/>Capacity: 250 l/h<br/>Max. operating temperature: max. 40 °C</p>   |
| 1.105      | <p><b>Oil filter DN15, G1/2 internal thread</b>,<br/>for single pipe system with shut off and return flow connection<br/>with fixing bracket, Cellidor filter cup<br/>fast action shut off valve with double O ring seal<br/>Vent valve for commissioning<br/>Sinter plastic strainer 50-75µ<br/>Connection: tank and burner side G1/2<br/>Throughput: up to 500 l/h<br/>max. operating temperature 40°C<br/><b>only suitable for suction operation</b></p>  |

| No.        | Dénomination  |
|------------|---|
| <b>1.</b>  | <p><b>Accessoires brûleur fioul</b></p> <p><b>Détermination des filtres fioul</b><br/>Lors de la détermination des filtres fioul, il convient de tenir compte des éléments ci-après :</p> <p>Conseil écartement de mailles :<br/>Fioul domestique : 100 µm<br/>Fioul M+S: 200 µm</p> <p><b>Installation mono-tube:</b><br/>Pour une installation en mono-tube, le filtre doit être déterminé en fonction du débit maximal du brûleur.</p> <p><b>Installation bi-tubes :</b><br/>Pour une installation en bi-tubes, il faut déterminer le débit maximal de la pompe.</p> <p><b>Voir également le recueil de fiches techniques 2.4 :</b><br/>Fiche technique 6-2.1 Dimensionnement des conduites fioul<br/>Fiche technique 7-1.4 feuille 1 Accessoires fioul; Filtres Weishaupt pour FOD<br/>Fiche technique 7-1.4 feuille 2 Accessoires fioul; Filtres pour fiouls léger et lourd avec cartouche chauffante<br/>Fiche technique 7-1.4 feuille 3 Accessoires fioul; Filtres pour fiouls léger et lourd avec servomoteur et cartouche chauffante<br/>Fiche technique 7-1.5 feuille 1 Accessoires fioul;<br/>Brûleurs-Pompes-Débit nécessaire<br/>Fiche technique 7-1.5 feuille 2 Accessoires fioul; Brûleurs-Pompes-Débit nécessaire</p> |
| <b>1.1</b> | <b>Filtres fioul</b>  |
| 1.101      | <p><b>Filtre bi-tubes fioul domestique</b><br/><b>Filtre V 1/2 - 500 St</b>, pour fonctionnement en mono-tube<br/>avec équerre de fixation ; filtre fritté 50 µ ; pot plastique transparent<br/>Raccord. : côté cuve : 1 x G3/8 i avec raccord univ. pour tube 8, 10 ou 12 mm<br/>côté brûleur : 1 x G3/8 a pour raccordement flexibles<br/>Débit : 560 l/h<br/>Température de fonctionnement : max. 40 °C<br/>uniquement adapté pour fonctionnement en aspiration</p>  |
| 1.102      | <p><b>Filtre Z 1/2 - 500 St</b>, pour fonctionnement en bi-tubes<br/>avec équerre de fixation ; filtre inox 100µ; pot plastique transparent<br/>Raccordements : côté cuve : 2 x G1/2 i<br/>côté brûleur : 2 x G1/2 i<br/>Débit : 500 l/h<br/>Température de fonctionnement : max. 40 °C<br/>uniquement adapté pour fonctionnement en aspiration</p>   |
| 1.103      | <p><b>Filtre Z 3/8 500 St</b>, pour fonctionnement en bi-tubes<br/>avec équerre de fixation ; filtre inox 100µ ; pot plastique transparent<br/>Racc. : côté cuve : 2 x G3/8 i avec 2 x raccord univ.pour tube 8, 10 ou 12 mm<br/>côté brûleur: 2 x G3/8 a pour raccordement flexibles<br/>Débit : 220 l/h<br/>Température de fonctionnement : max. 40 °C<br/>uniquement adapté pour fonctionnement en aspiration</p>  |
| 1.104      | <p><b>Filtre V 500 Si</b>, pour fonctionnement en mono-tube<br/>avec équerre de fixation ; filtre fritté 50 µ ; pot plastique transparent<br/>Raccord. : côté cuve : 1 x G3/8 i avec raccord univ. pour tube 8, 10 ou 12 mm<br/>côté brûleur : 1 x G3/8 a pour raccordement flexibles<br/>Débit : 250 l/h<br/>Température de fonctionnement : max. 40 °C<br/>uniquement adapté pour fonctionnement en aspiration</p>  |
| 1.105      | <p><b>Filtre fioul DN15, G1/2 filetage intérieur</b>,<br/>pour système mono-tube avec arrêt et retour<br/>avec équerre de fixation, bocal filtre<br/>Vanne à fermeture rapide avec étanchéité à double joint torique<br/>Vanne de purge pour mise en service<br/>Filtre fritté 50-75µ<br/>Raccordements : citerne et côté brûleur G1/2<br/>Débit : jusqu'à 500 l/h<br/>Température max. de fonctionnement 40°C<br/><b>adapté pour fonctionnement en aspiration</b></p>  |



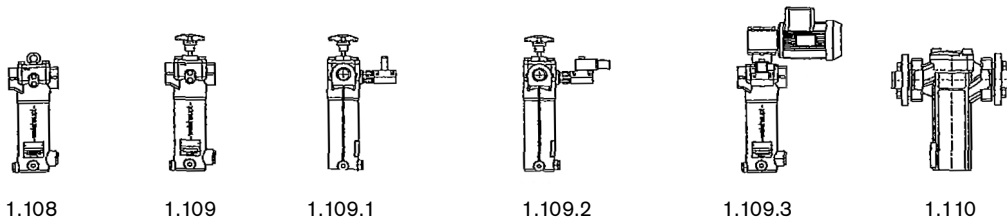
1.106



1.107

| Nr.   | Bezeichnung  | Bestell-Nr.<br>Order No.<br>N° de commande | Preis EUR<br>(o. MwSt.) |
|-------|--|--|-------------------------|
| 1.106 | <b>Filter V 1/2 - 500 St</b><br>mit Befestigungswinkel; Edelstahlsieb 100µ; Filtertasse aus Messing<br>Anschlüsse: tankseitig: 1 x G1/2 i<br>brennerseitig: 1 x G1/2 i<br>Durchflussmenge: 560 l/h<br>Betriebstemperatur: max. 60° C<br>für Saugbetrieb und für Zulaufbetrieb bis 6 bar geeignet   | 493 397                                    |                         |
| 1.107 | <b>Entlüfter FloCo-TOP/K mit Filter V 500 Si</b><br>mit Halter, Sinterkunststoffsieb 50µ<br>Anschlüsse: tankseitig: 1 x G3/8 i<br>brennerseitig: 2 x G3/8 a für Schlauchanschluss<br>Düsenleistung: max. 100 l/h<br>Rücklaufstrom: max. 120 l/h<br>Betriebstemperatur: max. 60° C<br>Betriebsüberdruck: max. 0,7 bar<br><br><b>Die Durchflussmengen der o.g. Filter beziehen sich auf ein Δp von 100 mbar bei 50%igem Verschmutzungsgrad des Filtereinsatzes</b> | 662 031                                    |                         |
|       | <b>Ersatz/Zubehör/Anschlusssteile für V- und Z-Ölfilter</b>  |  |                         |
|       | Filtereinsatz, Siku-Sieb, 50-70 µm für Best.-Nr.662031,493370,493382   | 493 380                                    |                         |
|       | Filtereinsatz, Edelstahlsieb 100 µm für Best.-Nr.493383,493388,493397,493403   | 493 391                                    |                         |
|       | Filtereinsatz, Sinterbronze 50-100 µm für Best.-Nr. 493538   | 493 539                                    |                         |
|       | Filtereinsatz Typ MC-7 5 bis 20 µm* für Nr. 493 383, 493 386, 493 388, 493 389, 493 397, 493 403   | 493 513                                    |                         |
|       | * Die Verwendung dieses Wechselfilter-Einsatz wird bei Kleinanlagen bis ca. 30kw empfohlen   |  |                         |
|       | O-Ring   | 493 384                                    |                         |
|       | Filtertasse, Kunststoff (Saugbetrieb)  | 493 379                                    |                         |
|       | Filtertasse, Messing (Druck- u. Saugbetrieb)   | 493 378                                    |                         |
|       | Einschraubstutzen G3/8 a x G3/8 a für Schlauchanschluss  | 111 011 00 067                             |                         |
|       | Einschraubstutzen G1/2 a x G1/2 a für Schlauchanschluss  | 111 512 00 037                             |                         |
|       | Einschraubstutzen G1/2 a x M30 x 1,5 a für Schlauchanschluss   | 112 654 00 017                             |                         |
|       | Reduzierstutzen G1/2 a x G3/8  | 210 153 06 147                             |                         |
|       | Dichtring A17 x 21 x 1,5 für G3/8  | 440 003                                    |                         |
|       | Dichtring A21 x 26 x 1,5 für G1/2  | 440 020                                    |                         |

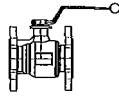
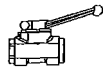
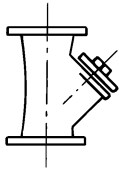
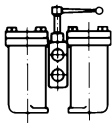
| No.   | Description  | No.   | Dénomination  |
|-------|--|-------|---|
| 1.106 | <p><b>Filter V 1/2 - 500 St</b>, for single pipe operation with fixing bracket; stainless steel strainer 100 µ; clear plastic sediment bowl<br/>           Connection: tank side: 1 x G1/2f<br/>           burner side: 1 x G1/2f<br/>           Capacity: 560l/h<br/>           Operating temperature: max. 40 °C<br/>           only suitable for gravity operation</p>  | 1.106 | <p><b>Filtre V 1/2 - 500 St</b>, pour fonctionnement en mono-tube avec équerre de fixation ; filtre inox 100µ ; pot plastique transparent<br/>           Raccordements : côté cuve : 1 x G1/2 i<br/>           côté brûleur : 1 x G1/2 i<br/>           Débit : 560 l/h<br/>           Température de fonctionnement : max. 40 °C<br/>           uniquement adapté pour fonctionnement en aspiration</p>  |
| 1.107 | <p><b>De-aerator FloCo-top/K with filter V 500 Si</b>, for single pipe operation with bracket, sinter plastic strainer 50µ<br/>           Connection: tank side: 1 x G3/8f<br/>           burner side: 2 x G3/8 m for hose connection<br/>           Nozzle capacity: max. 100 l/h<br/>           Return flow: max. 120 l/h<br/>           Operating temperature: max. 60 °C<br/>           Operating pressure: max. 0.7 bar</p> <p><b>The flow rates of the filters named above relate to an Δp of 100 mbar at a degree of soiling of the filter insert of 50%</b></p> <p><b>Replacement/accessory/connection parts for V and Z oil filters</b></p> <p>Filter insert, Siku strainer, 50-70 µm for Order No. 662031,493370, 493382<br/>           Filter insert, stainless steel strainer 100 µm for Order No.493383,493388,493397,493403<br/>           Filter insert , Sinter bronze 50-100 µm for Order No. 493538<br/>           Filter insert type MC-7 5 up to 20 µm for No. 493 383, 493 386, 493 388, 493 389, 493 397, 493 403</p> <p><b>Note:</b> The use of this exchange filter insert is recommended for use in systems up to 30kw</p> <p>O ring<br/>           Filter cup, plastic (suction operation)<br/>           Filter cup, brass (pressure + suction operation)<br/>           Threaded socket G3/8 m x G3/8 m for hose connection<br/>           Threaded socket G1/2 mx G1/2 m for hose connection<br/>           Threaded socket G1/2 m x M30 x 1.5 m for hose connection<br/>           Reducing nipple G1/2 m x G3/8 f<br/>           Sealing ring A17 x 21 x 1.5 for G3/8<br/>           Sealing ring A21 x 26 x 1.5 for G1/2</p> | 1.107 | <p><b>Système de dégazage FloCo-TOP/K avec filtre V 500 Si</b>, pour un fonctionnement mono-tube avec support, filtre fritté 50µ<br/>           Raccordements : côté cuve : 1 x G3/8 i<br/>           côté brûleur : 2 x G3/8 a pour raccordement flexibles<br/>           Puissance gicleur : max. 100 l/h<br/>           Débit max retour : max. 120 l/h<br/>           Température de service : max. 60 °C<br/>           Pression de service : max. 0,7 bar</p> <p><b>Les débits des filtres précités se rapportent à un Δp de 100 mbar pour un degré d'encrassement de 50% de la cartouche filtrante</b></p> <p><b>Pièces détachées/Accessoires/Raccords pour filtres V et Z</b></p> <p>Élément filtrant, filtre Siku, 50-70 µm pour réf. 662031,493370,493382<br/>           Élément filtrant, tamis acier 100 µm pour références 493383,493388,493397,493403<br/>           Élément filtrant , bronze fritté 50-100 µm pour référence 493538<br/>           Élément filtrant type MC-7 5 à 20 µm pour Nr. 493 383, 493 386, 493 388, 493 389, 493 397, 493 403</p> <p><b>Remarque :</b> L'utilisation de cet élément filtrant est conseillé pour des installations jusqu'à 30 kW</p> <p>Joint torique<br/>           Pot, plastique (fonctionnement en aspiration)<br/>           Pot, laiton (fonctionnement en pression ou en aspiration)<br/>           Mamelon G3/8 a x G3/8 a pour raccordement flexibles<br/>           Mamelon G1/2 a x G1/2 a pour raccordement flexibles<br/>           Mamelon G1/2 a x M30 x 1,5 a pour raccordement flexibles<br/>           Réduction G1/2 a x G3/8 i<br/>           Joint A17 x 21 x 1,5 pour G3/8<br/>           Joint A21 x 26 x 1,5 pour G1/2</p> |



| Nr.   | Bezeichnung   | Bestell-Nr.<br>Order No.<br>N° de commande             | Preis EUR<br>(o. MwSt.) |                      |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
|---|---|--|-------------------------|----------------------|---|----------------------|--|--|--|--|--|-----|----|--------|----|----|-----|------|--|--------|----|----|------|------|---|--------------------|----|----|------|-------|------|--------|----|----|------|-------|-------|--------|----|----|------|-------|-------|--|--|
| <b>Filter für Heizöl EL, M und S</b>  |   |  |                         |                      |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
| 1.108   | <b>Filter für Heizöl EL</b><br>Typ AF 0130, Sternsieb 100µm, max. Anschlussdruck 30bar<br>Mediumtemperatur: max. 40°C<br>Gehäuse u. Deckel: EN-GJS-400-15<br>Durchflussmenge: 1500l/h<br>Anschlüsse: Ein.-Ausgang G1 (In-Line)<br>Druckverlust: bei mittlerer Verschmutzung <0,1bar   | 493 535  |                         |                      |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
| 1.109   | <b>Filter, für Heizöl EL, M und S*</b><br>Typ AF 7131 mit Magnetabschneider am Filtereinsatz,<br>Differenzdruckanzeige vorbereitet, elektr. Antrieb nachrüstbar<br>max. Anschlußdruck 30 bar, max. Mediumtemp. 160 cels.,<br>Druckflussmenge 6000 l/h<br><br>Gehäuse u. Deckel: EN-GJS-400-15 nach EN 1563<br>Innenseite: C-Stahl. 14301.GGG<br>Druckverlust: bei mittlerer Verschmutzung <0,1bar<br>AF 7131 ( EL ) Filterfeinheit 100µm, Anschlüsse: Ein.-Ausgang G1<br>AF 7131 ( EL ) Filterfeinheit 100 µm, Anschlüsse: Ein.-Ausgang G11/2<br>AF 7131 ( M,S ) Filterfeinheit 200µm, 230 Volt, 55Watt Heizleistung<br>AF 7131 ( M,S ) Filterfeinheit 200µm, 110 Volt, 50Watt Heizleistung<br>*Schiffsausführung auf Anfrage                         | 493 526<br>493 527<br>109 000 06 332<br>109 000 06 342 |                         |                      |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
| <b>Optionen</b>   |   |  |                         |                      |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
| 1.109.1   | Differenzdruckanzeiger optisch für Filter AF 7131   | 493 532  |                         |                      |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
| 1.109.2   | elektrisches Oberteil für Differenzdruckanzeiger (Signalgeber)  | 493 533  |                         |                      |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
| 1.109.3   | Motornachrüstsatz für Filter AF 7131, 230/400 V, 50 Hz; 260/440 V, 60 Hz  | 493 534  |                         |                      |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
| <b>Ersatz/Zubehör/Anschlusssteile für AF-Filter</b>                               |   |  |                         |                      |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
|   | Filtereinsatz AF 0130 ( Sternsieb ) Heizöl EL 100µm   | 493 536  |                         |                      |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
|   | Filtereinsatz AF 7131 ( Kantenspaltfilter ) Heizöl EL 100µm   | 493 528  |                         |                      |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
|   | Filtereinsatz AF 7131 ( Kantenspaltfilter ) Schweröl 200µm  | 493 531  |                         |                      |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
|   | Dichtsatz für Filter AF 0130, AF 7131   | 493 537  |                         |                      |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
|   | Heizpatrone für AF 7131, 230 Volt, 55 W   | 109 000 06 182   |                         |                      |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
|   | Heizpatrone für AF 7131, 110 Volt, 50 W   | 109 000 06 172   |                         |                      |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
|   | Einschraubstutzen G1 a x M30 x 1,5 a für Schlauchanschluss DN20   | 112 151 00 057   |                         |                      |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
|   | Einschraubstutzen G1 a x M38 x 1,5 a für Schlauchanschluss DN25   | 122 362 00 077   |                         |                      |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
|   | Reduzierstutzen G1 a x G1/2 i   | 453 752  |                         |                      |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
|   | Dichtring A33 x 39 x 2 für G1   | 440 032  |                         |                      |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
| 1.110   | <b>Filter (Einfach-Siebfilter) für Heizöl, S</b><br>Gehäuse aus GGG 40, Plandichtung, Schweißflansche nach DIN2635,<br>Stern-Siebelement, Filterfeinheit 0,32 mm<br>Betriebsdruck max. 30 bar, einschließlich Gegenflanschen  |  |                         |                      |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
|   | <table border="1"> <thead> <tr> <th>Typ</th> <th>DN</th> <th>PN</th> <th>Brutto-Siebfläche cm²</th> <th>Durchflussmenge l/h*</th> <th></th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>HEL</td> <td>MS</td> </tr> </thead> <tbody> <tr> <td>1.12.2</td> <td>25</td> <td>40</td> <td>652</td> <td>5000</td> <td>3000</td> </tr> <tr> <td>1.12.2</td> <td>32</td> <td>40</td> <td>1000</td> <td>8000</td> <td>5000</td> </tr> <tr> <td>1.12.2</td> <td>40</td> <td>40</td> <td>1900</td> <td>13000</td> <td>9000</td> </tr> <tr> <td>1.12.2</td> <td>50</td> <td>40</td> <td>2460</td> <td>20000</td> <td>13000</td> </tr> <tr> <td>1.03.2</td> <td>65</td> <td>10</td> <td>4400</td> <td>35000</td> <td>25000</td> </tr> </tbody> </table> | Typ  | DN                      | PN                   | Brutto-Siebfläche cm²   | Durchflussmenge l/h* |  |  |  |  |  | HEL | MS | 1.12.2 | 25 | 40 | 652 | 5000 | 3000   | 1.12.2 | 32 | 40 | 1000 | 8000 | 5000  | 1.12.2             | 40 | 40 | 1900 | 13000 | 9000 | 1.12.2 | 50 | 40 | 2460 | 20000 | 13000 | 1.03.2 | 65 | 10 | 4400 | 35000 | 25000 | 493 514<br>493 515<br>493 516<br>493 517<br>493 496 ** |  |
| Typ   | DN  | PN   | Brutto-Siebfläche cm²   | Durchflussmenge l/h* |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
|   |   |  |                         | HEL                  | MS  |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
| 1.12.2  | 25  | 40   | 652                     | 5000                 | 3000  |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
| 1.12.2  | 32  | 40   | 1000                    | 8000                 | 5000  |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
| 1.12.2  | 40  | 40   | 1900                    | 13000                | 9000  |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
| 1.12.2  | 50  | 40   | 2460                    | 20000                | 13000   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
| 1.03.2  | 65  | 10   | 4400                    | 35000                | 25000   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
| <b>Einfachfilter mit Sternsiebfilter, Maschenweite 0,100 mm und Magneteinsatz</b> |   |  |                         |                      |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
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| Typ   | DN  | PN   | Brutto-Siebfläche cm²   | Durchflussmenge l/h* |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
|   |   |  |                         | HEL                  |   |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
| 1.12.2  | G1  | 40   | 652                     | 5000                 | (nicht verwendbar bei separater Pumpstation)  |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |
| 1.12.2  | 25  | 40   | 652                     | 5000                 | (Bei Einsatz auf der Hochdruckseite z.B. WK-Brenner mit separater Pumpstation für Montage direkt vor dem Brenner) |                      |  |  |  |  |  |     |    |        |    |    |     |      |  |        |    |    |      |      |   |                    |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |  |  |



| No.     | Description   | No.     | Dénomination  |                        |                                     |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
|---------|---|---------|---|------------------------|-------------------------------------|------------------------|--------|--------|----|-----|------|--------|------|--------|-----|------|------|--|------|--------|----|--|-------------------|-------|--------|--------|----|-----|------|-------|--------|--------|----|-----|------|-------|-------|--|---|------|----|----|--|-------------------|-----|--------|----|----|-----|------|------|--------|----|----|------|------|------|--------|----|----|------|-------|------|--------|----|----|------|-------|-------|--------|----|----|------|-------|-------|
|         | <b>For fuel oil EL, M und S</b>   |         | <b>Pour FOD et FOL</b>  |                        |                                     |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
| 1.108   | <b>Filter for fuel oil EL</b><br>Type AF 0130, strainer 100µm, max. connection pressure 30bar<br><br>Media temperature: max. 40°Cels.<br>Housing + cover: EN-GJS-400-15<br>Flow rate: 1500l/h<br>Connections: Input/output G1 ( In-Line )<br>Pressure loss: with moderate soiling <0.1bar   | 1.107   | <b>Filtre pour fioul domestique</b><br>Type AF 0130, élément filtrant 100µm, pression de raccordement max 30bar<br>Température fluide : max. 40°C.<br>Boîtier et couvercle : EN-GJS-400-15<br>Débit : 1500l/h<br>Raccordements : entrée, sortie G1 ( In-Line )<br>Perte de charge : pour encrassement moyen <0,1bar   |                        |                                     |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
| 1.109   | <b>Filter, for LFO, MFO and HFO*</b><br>Type AF7131 with solenoid cut-off on filter insert, ready for pressure differential display, retrofittable with elec. power unit, max. 30 bar/160 °C, flow rate 6000 l/h<br><br>Connections: Input/output G1 ( In-Line )<br>Housing and cover: EN-GJS-400-15 to EN 1563<br>Inside: C-steel 14301.GGG<br>Pressure loss: with moderate soiling <0.1bar<br>AF 7131 (LFO) Filter unit 100µm, Connections: Input/output G1<br>AF 7131 ( EL ) Filter mesh 100 µm, Connection: Input/output G1 1/2<br>AF 7131 (MFO/HFO) Filter unit 200µm, 230 V, 55 W Heating<br>AF 7131 (MFO/HFO) Filter unit 200µm, 110 V, 50 W Heating<br>*Marine execution on request     | 1.109   | <b>Filtre, pour FOD et FOL*</b><br>Filtre type AF7131 avec cartouche magnétique dans la filtration<br>Possibilité d'affichage pression différentielle, possibilité de motoriser<br>Pression max. de raccordement 30 bar, température fluide max. 160°C<br>Débit fluide 6000 l/h<br>Raccordements : Entrée, sortie G1 (In-Line)<br>Boîtier et couvercle : EN-GJS-400-15 après EN 1563<br>à l'intérieur: C-acier 14301.GGG<br>Perte de charge : pour encrassement moyen <0,1bar<br>AF 7131 (FOD) filtration 100µm, raccord. : entrée, sortie G1<br>AF 7131 ( OD) filtration 100 µm, raccord. : entrée, sortie G1 1/2<br>AF 7131 (léger, lourd) filtration 200µm, 230 V, 55 W Réchauffage<br>AF 7131 (léger, lourd) filtration 200µm, 110 V, 50 W Réchauffage<br>*exécution marine sur demande |                        |                                     |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
| 1.109.1 | <b>Optional extras</b><br>Optical pressure differential display for AF7131 filter   | 1.109.1 | <b>Options</b><br>Affichage pression différentielle visuel pour filtre AF7131   |                        |                                     |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
| 1.109.2 | Electrical part for pressure differential display (transmitter)   | 1.109.2 | Partie supérieure électrique pour affichage différentiel pression (transformateur de signaux)   |                        |                                     |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
| 1.109.3 | Power unit retrofit set for AF7131 filter, 230/400 V, 50 Hz; 260/440 V, 60 Hz   | 1.109.3 | Post-equipement motorisation du filtre AF7131, 230/400 V, 50 Hz; 260/440 V, 60 Hz   |                        |                                     |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
|         | Replacement/accessory/connection part for AF filter<br>Filter insert AF 0130 ( strainer ) fuel oil EL 100µm<br>Filter insert AF 7131 ( edge plate filter ) fuel oil EL 100µm<br>Filter insert AF 7131 ( edge plate filter ) heavy oil 200µm<br>Seal set for filter AF 0130, AF 7131<br>Heating cartridge for AF 7131, 230 Volt, 55 W<br>Heating cartridge for AF 7131, 110 Volt, 50 W<br>Threaded socket G1 a x M30 x 1.5 a for hose connection DN20<br>Threaded socket G1 a x M38 x 1.5 a for hose connection DN25<br>Reducing nipple G1 a x G1/2 i<br>Sealing ring A33 x 39 x 2 for G1  |         | Pièces détachées/Accessoires/Raccords pour filtre AF<br>Cartouche filtrante AF 0130 ( filtre à tamis ) FOD 100µm<br>Cartouche filtrante AF 7131 ( filtre à lamelles à arêtes ) FOD 100µm<br>Cartouche filtrante AF 7131 ( filtre à lamelles à arêtes ) FOL 200µm<br>Ensemble joint pour filtre AF 0130, AF 7131<br>Cartouche chauffante pour AF 7131, 230 Volt, 55 W<br>Cartouche chauffante pour AF 7131, 110 Volt, 50 W<br>Raccord G1 a x M30 x 1,5 a pour raccord DN20<br>Raccord G1 a x M38 x 1,5 a pour raccord DN25<br>Réduction G1 a x G1/2 i<br>Joint A33 x 39 x 2 pour G1  |                        |                                     |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
| 1.110   | <b>Filter (single mesh filter) for fuel oil EL, S</b><br>Housing made of GGG40, flat seal, flange to DIN2635,<br>Strainer, aperture 0.32 mm,<br>operating pressure max. 30 bar, including counter flanges   | 1.110   | <b>Filtre (filtre simple) pour FOD, FOL</b><br>Corps en GGG 40, joint plat, brides selon DIN2635,<br>Elément filtrant, écartement mailles 0,32 mm<br>Pression de service max. 30 bar, y compris contre-brides   |                        |                                     |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
|         | <table border="1"> <thead> <tr> <th>Type</th> <th>DN</th> <th>PN</th> <th>Gross strainer area cm<sup>2</sup></th> <th>Capacity l/h*<br/>Oil L</th> <th>Oil S</th> </tr> </thead> <tbody> <tr> <td>1.12.2</td> <td>25</td> <td>40</td> <td>652</td> <td>5000</td> <td>3000</td> </tr> <tr> <td>1.12.2</td> <td>32</td> <td>40</td> <td>1000</td> <td>8000</td> <td>5000</td> </tr> <tr> <td>1.12.2</td> <td>40</td> <td>40</td> <td>1900</td> <td>13000</td> <td>9000</td> </tr> <tr> <td>1.12.2</td> <td>50</td> <td>40</td> <td>2460</td> <td>20000</td> <td>13000</td> </tr> <tr> <td>1.03.2</td> <td>65</td> <td>10</td> <td>4400</td> <td>35000</td> <td>25000</td> </tr> </tbody> </table> | Type    | DN  | PN                     | Gross strainer area cm <sup>2</sup> | Capacity l/h*<br>Oil L | Oil S  | 1.12.2 | 25 | 40  | 652  | 5000   | 3000 | 1.12.2 | 32  | 40   | 1000 | 8000   | 5000 | 1.12.2 | 40 | 40   | 1900              | 13000 | 9000   | 1.12.2 | 50 | 40  | 2460 | 20000 | 13000  | 1.03.2 | 65 | 10  | 4400 | 35000 | 25000 |  | <table border="1"> <thead> <tr> <th>Type</th> <th>DN</th> <th>PN</th> <th>Surface filtrante brute en cm<sup>2</sup></th> <th>Débit l/h*<br/>FOD</th> <th>FOL</th> </tr> </thead> <tbody> <tr> <td>1.12.2</td> <td>25</td> <td>40</td> <td>652</td> <td>5000</td> <td>3000</td> </tr> <tr> <td>1.12.2</td> <td>32</td> <td>40</td> <td>1000</td> <td>8000</td> <td>5000</td> </tr> <tr> <td>1.12.2</td> <td>40</td> <td>40</td> <td>1900</td> <td>13000</td> <td>9000</td> </tr> <tr> <td>1.12.2</td> <td>50</td> <td>40</td> <td>2460</td> <td>20000</td> <td>13000</td> </tr> <tr> <td>1.03.2</td> <td>65</td> <td>10</td> <td>4400</td> <td>35000</td> <td>25000</td> </tr> </tbody> </table> | Type | DN | PN | Surface filtrante brute en cm <sup>2</sup> | Débit l/h*<br>FOD | FOL | 1.12.2 | 25 | 40 | 652 | 5000 | 3000 | 1.12.2 | 32 | 40 | 1000 | 8000 | 5000 | 1.12.2 | 40 | 40 | 1900 | 13000 | 9000 | 1.12.2 | 50 | 40 | 2460 | 20000 | 13000 | 1.03.2 | 65 | 10 | 4400 | 35000 | 25000 |
| Type    | DN  | PN      | Gross strainer area cm <sup>2</sup>   | Capacity l/h*<br>Oil L | Oil S                               |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
| 1.12.2  | 25  | 40      | 652   | 5000                   | 3000                                |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
| 1.12.2  | 32  | 40      | 1000  | 8000                   | 5000                                |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
| 1.12.2  | 40  | 40      | 1900  | 13000                  | 9000                                |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
| 1.12.2  | 50  | 40      | 2460  | 20000                  | 13000                               |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
| 1.03.2  | 65  | 10      | 4400  | 35000                  | 25000                               |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
| Type    | DN  | PN      | Surface filtrante brute en cm <sup>2</sup>  | Débit l/h*<br>FOD      | FOL                                 |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
| 1.12.2  | 25  | 40      | 652   | 5000                   | 3000                                |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
| 1.12.2  | 32  | 40      | 1000  | 8000                   | 5000                                |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
| 1.12.2  | 40  | 40      | 1900  | 13000                  | 9000                                |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
| 1.12.2  | 50  | 40      | 2460  | 20000                  | 13000                               |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
| 1.03.2  | 65  | 10      | 4400  | 35000                  | 25000                               |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
|         | <b>Single filter with strainer, aperture 0.1 mm and magnetic filter (used only on multiflam burners)</b>  |         | <b>Filtre simple avec cartouche étoile, mailles 0,1 mm et aimant (utilisation uniquement avec brûleurs multiflam)</b>   |                        |                                     |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
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| Type    | DN  | PN      | Gross strainer area cm <sup>2</sup>   | Capacity l/h*<br>Oil L |                                     |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
| 1.12.2  | G1  | 40      | 652   | 5000                   |                                     |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
| 1.12.2  | 25  | 40      | 652   | 5000                   |                                     |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
| Type    | DN  | PN      | Surface filtrante brute en cm <sup>2</sup>  | Débit l/h*<br>FOD      | FOL                                 |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
| 1.12.2  | G1  | 40      | 652   | 5000                   |                                     |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |
| 1.12.2  | 25  | 40      | 652   | 5000                   |                                     |                        |        |        |    |     |      |        |      |        |     |      |      |  |      |        |    |  |                   |       |        |        |    |     |      |       |        |        |    |     |      |       |       |  |   |      |    |    |  |                   |     |        |    |    |     |      |      |        |    |    |      |      |      |        |    |    |      |       |      |        |    |    |      |       |       |        |    |    |      |       |       |



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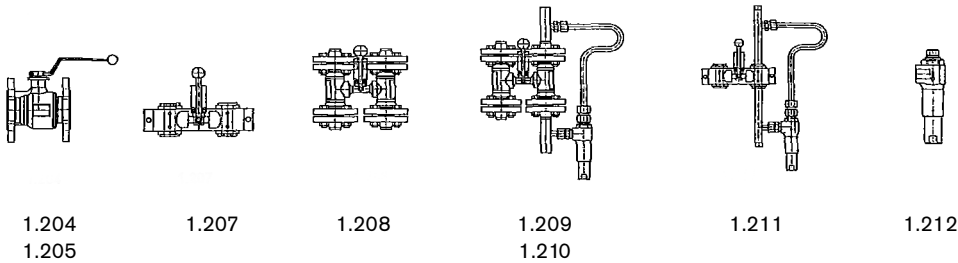
1.112

1.202  
1.2031.204  
1.205

| Nr.        | Bezeichnung  | Bestell-Nr.<br>Order No.<br>N° de commande | Preis EUR<br>(o. MwSt.)   |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
|------------|--|--|---------------------------|---------------------------|---------------------------|----------------------|---------|--------|---------|---------|---------|--------------|---------|--------|---------|---------|---------|---|---------|--|---------|-------|--|------|---------|-------|----------|------|---------|-------|----------|--|---------|-------|-------|------|---------|--|----|------|-------|-------|------------|--|--|
| 1.111      | <b>Filter (Doppelfilter) für Heizöl S,</b><br>Gehäuse und Hahnkükken aus GGG 40, Plandichtung, Flansche als Vierkantflansche gebohrt, Sternsieb aus Edelstahl Maschenweite 0,32 mm, Betriebsdruck max. 25 bar, einschließlich Gegenflanschen   |  |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
|            | <table border="1"> <thead> <tr> <th>Typ</th> <th>DN</th> <th>Brutto-<br/>Siebfläche cm²</th> <th colspan="2">Durchflussmenge l/h*</th> <th></th> </tr> <tr> <td>2.04.5</td> <td></td> <td></td> <th>HEL</th> <th>MS</th> <td></td> </tr> </thead> <tbody> <tr> <td></td> <td>25</td> <td>652</td> <td>3000</td> <td>2000</td> <td>493 497</td> </tr> <tr> <td></td> <td>32</td> <td>1000</td> <td>5000</td> <td>3000</td> <td>493 498</td> </tr> <tr> <td></td> <td>40</td> <td>1900</td> <td>8000</td> <td>5000</td> <td>493 499</td> </tr> <tr> <td></td> <td>50</td> <td>2460</td> <td>12000</td> <td>8000</td> <td>493 500</td> </tr> <tr> <td></td> <td>65</td> <td>3885</td> <td>20000</td> <td>12000</td> <td>493 501 **</td> </tr> </tbody> </table> | Typ  | DN                        | Brutto-<br>Siebfläche cm² | Durchflussmenge l/h*      |                      |         | 2.04.5 |         |         | HEL     | MS           |         |        | 25      | 652     | 3000    | 2000  | 493 497 |  | 32      | 1000  | 5000   | 3000 | 493 498 |       | 40       | 1900 | 8000    | 5000  | 493 499  |  | 50      | 2460  | 12000 | 8000 | 493 500 |  | 65 | 3885 | 20000 | 12000 | 493 501 ** |  |  |
| Typ        | DN   | Brutto-<br>Siebfläche cm²                  | Durchflussmenge l/h*      |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| 2.04.5     |  |  | HEL                       | MS                        |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
|            | 25   | 652  | 3000                      | 2000                      | 493 497                   |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
|            | 32   | 1000                                       | 5000                      | 3000                      | 493 498                   |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
|            | 40   | 1900                                       | 8000                      | 5000                      | 493 499                   |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
|            | 50   | 2460                                       | 12000                     | 8000                      | 493 500                   |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
|            | 65   | 3885                                       | 20000                     | 12000                     | 493 501 **                |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
|            | * Die angegebenen Durchflussmengen gelten beim Einbau in die Druckleitung, beim Einbau in die Saugleitung ist nur die Hälfte dieser Werte zulässig. Bei der Festlegung wurde ein Heizöl mit einer Viskosität von 380 cSt bei 50°C zugrunde gelegt.   |  |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
|            | ** Liefertermin auf Anfrage  |  |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
|            | <b>Filter Doppelfilter mit Sternsiebfilter, Maschenweite 0,1 mm und Magneteinsatz</b><br>(Verwendung nur bei Multiflambrenner)   |  |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
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| Typ        | DN   | PN   | Brutto-<br>Siebfläche cm² | Durchflussmenge l/h*      |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| 2.04.5     | 25   | 40   | 2 x 652                   | L-Öl<br>3000              | 493 511                   |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
|            | * Die angegebenen Durchflussmengen gelten beim Einbau in die Druckleitung, beim Einbau in die Saugleitung ist nur die Hälfte dieser Werte zulässig.  |  |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
|            | <b>Ersatz/Zubehör/Anschlusssteile Filter Typ 1.12.2, 2.04.5</b>  |  |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
|            | Sternsieb  |  |                           | auf Anfrage               |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
|            | O-Ring 69,4 x 3,53 für Filterdeckel DN 25/32   |  |                           | 445 114                   |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
|            | O-Ring 88,49 x 3,53 für Filterdeckel DN 40/50  |  |                           | 445 115                   |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
|            | Dichtring Viton für Filter Typ 2.04.5  |  |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
|            | 50 x 67 x 1,5, DN 25/DN 32   |  |                           | 441 064                   |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
|            | 62 x 84 x 1,5, DN 40   |  |                           | 441 065                   |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
|            | 78 x 94 x 1,5, DN 50   |  |                           | 441 066                   |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
|            | 90 x 110 x 1,5, DN 65  |  |                           | 441 067                   |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| 1.112      | <b>Schmutzfänger</b><br>Schmutzfänger, DN25, PN40, Flanschausführung aus Gussstahl und Edelstahlsieb   | 499 044                                    |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| <b>1.2</b> | <b>Öl-Absperrorgane</b>  |  |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| 1.202      | <b>Kugelhahn PN40, für Heizöl "EL"</b><br>Gehäuse und Kugel: Messing verchromt, Dichtungen aus Teflon und Viton, mit Innengewinde nach DIN ISO 228/1   |  |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
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| Typ        | DN   |  |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| 984-D      | Rp 1/4   |  | 454 657                   |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| 984-D      | Rp 3/8   |  | 454 658                   |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| 984-D      | Rp 1/2   |  | 454 659                   |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| 984-D      | Rp 3/4   |  | 454 660                   |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| 984-D      | Rp 1 nach DIN 4755, Teil nur bis DN25 (G 1) zulässig   |  | 454 661                   |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| 984-D      | Rp 1 1/4   |  | 454 662                   |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| 984-D      | Rp 1 1/2   |  | 454 663                   |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| 984-D      | Rp 2   |  | 454 664                   |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| 1.203      | <b>Kugelhahn für Heizöl "M und S"</b><br>Gehäuse: Stahl; ab G 1 1/4"; GGG 40; Kugel: Stahl hartverchromt;<br>Dichtungen aus Teflon, mit Innengewinde nach DIN ISO 228/1  |  |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
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| PN         | G  |  |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| PN 100     | G 1/4  | 454 047                                    |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| PN 100     | G 3/8  | 454 159                                    |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| PN 250     | G 1/2  | 454 181                                    |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| PN 175     | G 3/4  | 454 182                                    |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| PN 63      | G 1 nach DIN 4755, Teil 2 nur bis DN25 (R1") zulässig  | 454 162                                    |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| 1.204      | <b>Kugelhahn PN25 für Heizöl EL und S, Dichtung Teflon, max. 160°C</b><br>für Ölversorgungsleitungen < 10 bar, Gehäuse Stahl   |  |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
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| DN         |  |  |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| DN 20      | 454 185  |  |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| DN 25      | 454 186  |  |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| DN 32      | 454 147  |  |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| DN 40      | 454 172  |  |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| DN 50      | 454 173  |  |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |
| DN 65      | 454 174  |  |                           |                           |                           |                      |         |        |         |         |         |              |         |        |         |         |         |   |         |  |         |       |  |      |         |       |          |      |         |       |          |  |         |       |       |      |         |  |    |      |       |       |            |  |  |

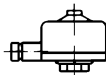
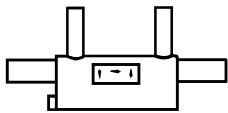
| No.        | Description  |                                     |                                     |                                     |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
|------------|--|-------------------------------------|-------------------------------------|-------------------------------------|------------------------|--------|--------|--------|--------|--------|--------|-------|---|-------|----------|-------|----------|-------|------|------|------|--|----|------|-------|------|--|----|------|-------|-------|------|----|----|-------------------------------------|------------------------|--------|----|----|---------|------|
| 1.111      | <p><b>Filter</b> (double filter) for fuel oil EL and S, housing and c/o valve made of GGG40, flat seal, flange drilled off centres, stainless steel filter aperture 0.32mm, operating pressure max. 25 bar, including counter flanges</p> <table border="1"> <thead> <tr> <th>Type</th> <th>DN</th> <th>Gross strainer area cm<sup>2</sup></th> <th>Capacity l/h*<br/>Oil L</th> <th>Oil S</th> </tr> </thead> <tbody> <tr> <td>2.04.5</td> <td>25</td> <td>652</td> <td>3000</td> <td>2000</td> </tr> <tr> <td></td> <td>32</td> <td>1000</td> <td>5000</td> <td>3000</td> </tr> <tr> <td></td> <td>40</td> <td>1900</td> <td>8000</td> <td>5000</td> </tr> <tr> <td></td> <td>50</td> <td>2460</td> <td>12000</td> <td>8000</td> </tr> <tr> <td></td> <td>65</td> <td>3885</td> <td>20000</td> <td>12000</td> </tr> </tbody> </table> <p>* The capacities quoted are valid for installation in the pressure line, if installing in the suction line, only half of these values are relevant. These values are based on a fuel oil with a viscosity of 380 cSt at 50 °C.<br/>** Delivery time on request</p> <p><b>Double filter with strainer</b>, aperture 0.1 mm and magnetic insert (used only on multiflam burners)</p> <table border="1"> <thead> <tr> <th>Type</th> <th>DN</th> <th>PN</th> <th>Gross strainer area cm<sup>2</sup></th> <th>Capacity l/h*<br/>Oil L</th> </tr> </thead> <tbody> <tr> <td>2.04.5</td> <td>25</td> <td>40</td> <td>2 x 652</td> <td>3000</td> </tr> </tbody> </table> <p>* The capacities quoted are valid for installation in the pressure line, if installing in the suction line, only half of these values are relevant.</p> <p><b>Replacement/accessory/connection parts filter type 1.12.2, 2.04.5</b><br/> <b>Strainer</b><br/> O ring 69.4 x 3.53 for filter lid DN 25/32<br/> O ring 88.49 x 3.53 for filter lid DN 40/50<br/> Sealing ring Viton for filter type 2.04.5<br/> 50 x 67 x 1.5, DN 25/DN 32<br/> 62 x 84 x 1.5, DN 40<br/> 78 x 94 x 1.5, DN 50<br/> 90 x 110 x 1.5, DN 65</p> | Type                                | DN                                  | Gross strainer area cm <sup>2</sup> | Capacity l/h*<br>Oil L | Oil S  | 2.04.5 | 25     | 652    | 3000   | 2000   |       | 32  | 1000  | 5000     | 3000  |          | 40    | 1900 | 8000 | 5000 |  | 50 | 2460 | 12000 | 8000 |  | 65 | 3885 | 20000 | 12000 | Type | DN | PN | Gross strainer area cm <sup>2</sup> | Capacity l/h*<br>Oil L | 2.04.5 | 25 | 40 | 2 x 652 | 3000 |
| Type       | DN   | Gross strainer area cm <sup>2</sup> | Capacity l/h*<br>Oil L              | Oil S                               |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| 2.04.5     | 25   | 652                                 | 3000                                | 2000                                |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
|            | 32   | 1000                                | 5000                                | 3000                                |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
|            | 40   | 1900                                | 8000                                | 5000                                |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
|            | 50   | 2460                                | 12000                               | 8000                                |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
|            | 65   | 3885                                | 20000                               | 12000                               |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| Type       | DN   | PN                                  | Gross strainer area cm <sup>2</sup> | Capacity l/h*<br>Oil L              |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| 2.04.5     | 25   | 40                                  | 2 x 652                             | 3000                                |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| 1.112      | <p><b>Strainer</b><br/>Strainer, DN25, PN40, flanged version made of cast steel and stainless steel strainer</p>   |                                     |                                     |                                     |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| <b>1.2</b> | <b>Oil shut off devices</b>  |                                     |                                     |                                     |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| 1.202      | <p><b>Ball valve PN40</b>, for fuel oil "EL"<br/>Casing and Ball: Brass, chromium-plated, Teflon seal, with internal thread to DIN ISO 228/1</p> <table border="1"> <thead> <tr> <th>Type</th> <th>DN</th> </tr> </thead> <tbody> <tr> <td>984-D</td> <td>Rp 1/4</td> </tr> <tr> <td>984-D</td> <td>Rp 3/8</td> </tr> <tr> <td>984-D</td> <td>Rp 1/2</td> </tr> <tr> <td>984-D</td> <td>Rp 3/4</td> </tr> <tr> <td>984-D</td> <td>Rp 1 to DIN 4755, Part 2 approved only to DN25 (G1)</td> </tr> <tr> <td>984-D</td> <td>Rp 1 1/4</td> </tr> <tr> <td>984-D</td> <td>Rp 1 1/2</td> </tr> <tr> <td>984-D</td> <td>Rp 2</td> </tr> </tbody> </table>   | Type                                | DN                                  | 984-D                               | Rp 1/4                 | 984-D  | Rp 3/8 | 984-D  | Rp 1/2 | 984-D  | Rp 3/4 | 984-D | Rp 1 to DIN 4755, Part 2 approved only to DN25 (G1) | 984-D | Rp 1 1/4 | 984-D | Rp 1 1/2 | 984-D | Rp 2 |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| Type       | DN   |                                     |                                     |                                     |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| 984-D      | Rp 1/4   |                                     |                                     |                                     |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| 984-D      | Rp 3/8   |                                     |                                     |                                     |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| 984-D      | Rp 1/2   |                                     |                                     |                                     |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| 984-D      | Rp 3/4   |                                     |                                     |                                     |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| 984-D      | Rp 1 to DIN 4755, Part 2 approved only to DN25 (G1)  |                                     |                                     |                                     |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| 984-D      | Rp 1 1/4   |                                     |                                     |                                     |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| 984-D      | Rp 1 1/2   |                                     |                                     |                                     |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| 984-D      | Rp 2   |                                     |                                     |                                     |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| 1.203      | <p><b>Ball valve</b>, for fuel oil "M and S"<br/>Casing: Steel; from G1 1/4"; GGG40; Ball: steel chromium plated; Teflon seal, with internal thread to DIN ISO 228/1</p> <table border="1"> <thead> <tr> <th>PN</th> <th>G</th> </tr> </thead> <tbody> <tr> <td>PN 100</td> <td>G 1/4</td> </tr> <tr> <td>PN 100</td> <td>G 3/8</td> </tr> <tr> <td>PN 250</td> <td>G 1/2</td> </tr> <tr> <td>PN 175</td> <td>G 3/4</td> </tr> <tr> <td>PN 63</td> <td>G 1 to DIN 4755, Part 2 approved only to DN25 (R1")</td> </tr> </tbody> </table>  | PN                                  | G                                   | PN 100                              | G 1/4                  | PN 100 | G 3/8  | PN 250 | G 1/2  | PN 175 | G 3/4  | PN 63 | G 1 to DIN 4755, Part 2 approved only to DN25 (R1") |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| PN         | G  |                                     |                                     |                                     |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| PN 100     | G 1/4  |                                     |                                     |                                     |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| PN 100     | G 3/8  |                                     |                                     |                                     |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| PN 250     | G 1/2  |                                     |                                     |                                     |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| PN 175     | G 3/4  |                                     |                                     |                                     |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| PN 63      | G 1 to DIN 4755, Part 2 approved only to DN25 (R1")  |                                     |                                     |                                     |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |
| 1.204      | <p><b>Ball valve PN25</b> for fuel oil EL and S, Teflon seal, max. 160 °C for oil supply lines &lt; 10 bar, steel casing</p> <p>DN 20<br/>DN 25<br/>DN 32<br/>DN 40<br/>DN 50<br/>DN 65</p>  |                                     |                                     |                                     |                        |        |        |        |        |        |        |       |   |       |          |       |          |       |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |                                     |                        |        |    |    |         |      |

| No.        | Dénomination  |  |  |  |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
|------------|---|--|--|--|------------|--------|--------|--------|--------|--------|--------|--------|---|-------|----------|-------|----------|-------|------|------|------|--|----|------|------|------|--|----|------|-------|------|--|----|------|-------|-------|------|----|----|--|-------------------|--------|----|----|---------|------|
| 1.111      | <p><b>Filtre</b> (filtre double) pour FOD et FOL, Corps et robinet avec poignée en GGG 40, joint plat, bride carrée percée filtre en inox écartement mailles 0,32 mm, Pression de service max. 25 bar, y compris contre-brides</p> <table border="1"> <thead> <tr> <th>Type</th> <th>DN</th> <th>Surface filtrante brute en cm<sup>2</sup></th> <th colspan="2">Débit l/h*</th> </tr> <tr> <td></td> <td></td> <td></td> <th>FOD</th> <th>FOL</th> </tr> </thead> <tbody> <tr> <td>2.04.5</td> <td>25</td> <td>652</td> <td>3000</td> <td>2000</td> </tr> <tr> <td></td> <td>32</td> <td>1000</td> <td>5000</td> <td>3000</td> </tr> <tr> <td></td> <td>40</td> <td>1900</td> <td>8000</td> <td>5000</td> </tr> <tr> <td></td> <td>50</td> <td>2460</td> <td>12000</td> <td>8000</td> </tr> <tr> <td></td> <td>65</td> <td>3885</td> <td>20000</td> <td>12000</td> </tr> </tbody> </table> <p>* Les débits indiqués sont valables pour le montage dans la conduite HP, lors du montage sur l'aspiration on ne peut admettre que la moitié de ces valeurs. Lors de la détermination il a été choisi un fioul avec une viscosité de 380 cSt à 50 °C .<br/>** Délai de livraison sur demande</p> <p><b>Filtre double avec cartouche étoile</b>, mailles 0,1 mm et aimant (utilisation uniquement avec brûleur multiflam)</p> <table border="1"> <thead> <tr> <th>Type</th> <th>DN</th> <th>PN</th> <th>Surface filtrante brute en cm<sup>2</sup></th> <th>Débit l/h*<br/>FOD</th> </tr> </thead> <tbody> <tr> <td>2.04.5</td> <td>25</td> <td>40</td> <td>2 x 652</td> <td>3000</td> </tr> </tbody> </table> <p>* Les débits indiqués sont valables pour le montage dans la conduite HP, lors du montage sur l'aspiration on ne peut admettre que la moitié de ces valeurs.</p> <p><b>Pièces détachées/Accessoires/Raccords filtre type 1.12.2, 2.04.5</b><br/> <b>Filtre à tamis</b><br/> Joint torique 69,4 x 3,53 pour couvercle filtre DN 25/32<br/> Joint torique 88,49 x 3,53 pour couvercle filtre DN 40/50<br/> Joint Viton pour filtre type 2.04.5<br/> 50 x 67 x 1,5, DN 25/DN 32<br/> 62 x 84 x 1,5, DN 40<br/> 78 x 94 x 1,5, DN 50<br/> 90 x 110 x 1,5, DN 65</p> | Type                                       | DN   | Surface filtrante brute en cm <sup>2</sup> | Débit l/h* |        |        |        |        | FOD    | FOL    | 2.04.5 | 25  | 652   | 3000     | 2000  |          | 32    | 1000 | 5000 | 3000 |  | 40 | 1900 | 8000 | 5000 |  | 50 | 2460 | 12000 | 8000 |  | 65 | 3885 | 20000 | 12000 | Type | DN | PN | Surface filtrante brute en cm <sup>2</sup> | Débit l/h*<br>FOD | 2.04.5 | 25 | 40 | 2 x 652 | 3000 |
| Type       | DN  | Surface filtrante brute en cm <sup>2</sup> | Débit l/h*                                 |  |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
|            |   |  | FOD  | FOL  |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| 2.04.5     | 25  | 652  | 3000                                       | 2000                                       |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
|            | 32  | 1000                                       | 5000                                       | 3000                                       |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
|            | 40  | 1900                                       | 8000                                       | 5000                                       |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
|            | 50  | 2460                                       | 12000                                      | 8000                                       |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
|            | 65  | 3885                                       | 20000                                      | 12000                                      |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| Type       | DN  | PN   | Surface filtrante brute en cm <sup>2</sup> | Débit l/h*<br>FOD                          |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| 2.04.5     | 25  | 40   | 2 x 652                                    | 3000                                       |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| 1.112      | <p><b>Filtre</b><br/>Filtre DN25, PN40, exécution à visser en fonte et tamis en acier</p>   |  |  |  |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| <b>1.2</b> | <b>Organes d'isolement fioul</b>  |  |  |  |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| 1.202      | <p><b>Robinet PN40</b>, pour FOL<br/>Corps et bille : laiton chromé, joints en Teflon, avec taraudage selon DIN ISO 228/1</p> <table border="1"> <thead> <tr> <th>Typ</th> <th>DN</th> </tr> </thead> <tbody> <tr> <td>984-D</td> <td>Rp 1/4</td> </tr> <tr> <td>984-D</td> <td>Rp 3/8</td> </tr> <tr> <td>984-D</td> <td>Rp 1/2</td> </tr> <tr> <td>984-D</td> <td>Rp 3/4</td> </tr> <tr> <td>984-D</td> <td>Rp 1 selon DIN 4755, pièce uniquement admissible jusqu'à DN25 (G 1)</td> </tr> <tr> <td>984-D</td> <td>Rp 1 1/4</td> </tr> <tr> <td>984-D</td> <td>Rp 1 1/2</td> </tr> <tr> <td>984-D</td> <td>Rp 2</td> </tr> </tbody> </table>  | Typ  | DN   | 984-D                                      | Rp 1/4     | 984-D  | Rp 3/8 | 984-D  | Rp 1/2 | 984-D  | Rp 3/4 | 984-D  | Rp 1 selon DIN 4755, pièce uniquement admissible jusqu'à DN25 (G 1)   | 984-D | Rp 1 1/4 | 984-D | Rp 1 1/2 | 984-D | Rp 2 |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| Typ        | DN  |  |  |  |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| 984-D      | Rp 1/4  |  |  |  |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| 984-D      | Rp 3/8  |  |  |  |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| 984-D      | Rp 1/2  |  |  |  |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| 984-D      | Rp 3/4  |  |  |  |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| 984-D      | Rp 1 selon DIN 4755, pièce uniquement admissible jusqu'à DN25 (G 1)   |  |  |  |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| 984-D      | Rp 1 1/4  |  |  |  |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| 984-D      | Rp 1 1/2  |  |  |  |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| 984-D      | Rp 2  |  |  |  |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| 1.203      | <p><b>Robinet à bille</b> pour FOL<br/>Corps : acier; à partir de G 1 1/4"; GGG 40; bille : acier chromage dur ; Joints en Téflon, avec taraudage selon DIN ISO 228/1</p> <table border="1"> <thead> <tr> <th>PN</th> <th>G</th> </tr> </thead> <tbody> <tr> <td>PN 100</td> <td>G 1/4</td> </tr> <tr> <td>PN 100</td> <td>G 3/8</td> </tr> <tr> <td>PN 250</td> <td>G 1/2</td> </tr> <tr> <td>PN 175</td> <td>G 3/4</td> </tr> <tr> <td>PN 63</td> <td>G 1 selon DIN 4755, partie 2 uniquement admissible jusqu'à DN25 (R1")</td> </tr> </tbody> </table>  | PN   | G  | PN 100                                     | G 1/4      | PN 100 | G 3/8  | PN 250 | G 1/2  | PN 175 | G 3/4  | PN 63  | G 1 selon DIN 4755, partie 2 uniquement admissible jusqu'à DN25 (R1") |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| PN         | G   |  |  |  |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| PN 100     | G 1/4   |  |  |  |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| PN 100     | G 3/8   |  |  |  |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| PN 250     | G 1/2   |  |  |  |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| PN 175     | G 3/4   |  |  |  |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| PN 63      | G 1 selon DIN 4755, partie 2 uniquement admissible jusqu'à DN25 (R1")   |  |  |  |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |
| 1.204      | <p><b>Robinet à bille PN25</b> pour FOD et FOL, joint Teflon, max. 160 °C pour conduites fioul &lt; 10 bar, corps en acier</p> <p>DN 20<br/>DN 25<br/>DN 32<br/>DN 40<br/>DN 50<br/>DN 65</p>   |  |  |  |            |        |        |        |        |        |        |        |   |       |          |       |          |       |      |      |      |  |    |      |      |      |  |    |      |       |      |  |    |      |       |       |      |    |    |  |                   |        |    |    |         |      |



| Nr.            | Bezeichnung  | Bestell-Nr.<br>Order-No.<br>No de commande   | Preis EUR<br>(o. MwSt.) |
|----------------|--|--|-------------------------|
| 1.204<br>1.205 |  |  |                         |
| 1.206          | <b>Kugelhahn</b> PN40 für Heizöl EL und S, Dichtung Teflon, max. 160°C für Ölförderleitungen < 40 bar, Gehäuse Stahl<br>DN 20<br>DN 25<br>DN 32<br>DN 40<br>DN 50  | 454 132<br>454 133<br>454 134<br>454 136<br>454 137  |                         |
| 1.206          | <b>Dichtung</b> (Universal N, blau) nach DIN 2690 (ohne Bild)<br>DN 20, PN40 28 x 60 x 2<br>DN 25, PN40 35 x 70 x 2<br>DN 32, PN40 43 x 82 x 2<br>DN 40, PN40 49 x 92 x 2<br>DN 50, PN40 61 x 107 x 2<br>DN 65, PN40 77 x 127 x 2<br><br><b>Dreiwege-Kugelhahn</b> , DN20, PN40 (Doppel-Ausführung) (ohne Bild) mit Endschalter<br>DN25, PN40 (Doppel-Ausführung) (ohne Bild)<br>G3/4, PN40 (Doppel-Ausführung) (ohne Bild)<br>G1, PN40 (Doppel-Ausführung) (ohne Bild)  | 441 857<br>441 858<br>441 856<br>441 859<br>441 860<br>441 861<br><br>454 623<br>454 620<br>454 624<br>454 625           |                         |
|                | <b>Absperrkombinationen</b> für Heizöl EL und S mechanisch gekoppelt und zusätzlich mit einem Endschalter ausgestattet.  |  |                         |
| 1.207          | <b>Absperrkombination</b> , PN40<br>G 3/8, Dichtung Teflon<br>G 1/2, Dichtung Teflon<br>G 1, Dichtung Teflon   | 109 000 00 812<br>109 000 00 822<br>109 000 00 832   |                         |
| 1.208          | <b>Absperrkombination</b> mit Gegenflanschen, Dichtungen und Schrauben für Ölförderleitungen PN10<br>DN 20, Dichtung Teflon<br>DN 25, Dichtung Teflon<br>DN 32, Dichtung Teflon<br>DN 50, Dichtung Teflon  | 109 000 00 602<br>109 000 00 622<br>109 000 00 642<br>109 000 00 662   |                         |
| 1.209          | <b>Absperrkombination</b> mit Sicherheitsventil, Gegenflanschen, Dichtungen und Schrauben für Ölförderleitung PN10, Verwendung z.B. für WK-Brenner mit separater Pumpe<br>DN 20, Dichtung Teflon<br>DN 25, Dichtung Teflon<br>DN 32, Dichtung Teflon<br>DN 50, Dichtung Teflon   | 109 000 01 582<br>109 000 01 432<br>109 000 01 452<br>109 000 01 472   |                         |
| 1.210          | <b>Absperrkombination</b> mit Sicherheitsventil, Gegenflanschen, Dichtungen und Schrauben für Druckleitungen PN40 im Vorlauf und im Rücklauf, Verwendung nicht bei WK-Brenner mit W-FM<br>DN 20, Dichtung Teflon<br>DN 25, Dichtung Teflon<br><br><b>Absperrkombination</b> DN20 PN40 mit Sicherheitsventil, Gehäuse Stahl<br>Verwendung WK40,WK50,WK4 nur in Verbindung mit W-FM<br><br><b>Absperrkombination</b> DN25 PN40 mit Sicherheitsventil, Gehäuse Stahl<br>Verwendung WK70,WK80,WK4 nur in Verbindung mit W-FM<br><br><b>Absperrkombination</b> DN32 PN40 mit Sicherheitsventil, Gehäuse Stahl<br>Verwendung WK80, nur in Verbindung mit W-FM<br><br><b>Absperrkombination</b> DN40 PN40 mit Sicherheitsventil, Gehäuse Stahl<br>Verwendung WK80, nur in Verbindung mit W-FM | 109 000 03 262<br>109 000 03 272<br><br>109 000 06 222<br><br>109 000 06 232<br><br>109 000 06 282<br><br>109 000 06 292 |                         |
| 1.211          | <b>Absperrkombination</b> mit Sicherheitsventil, PN 40<br>G 1/2<br>G1<br><br>Ersatzteile für Absperrkombinationen  | 109 000 04 632<br>109 000 01 802   |                         |
| 1.212          | <b>Sicherheitsventil</b> G 1/2, PN 320, Typ 4373 Einstellung: 1,8 bar  | 640 270  |                         |
| 1.213          | <b>Endschalter</b> XCK-P2110 P16, 3A, 240V, IP66 (o. Bild)   | 700 944  |                         |

| No.   | Designation  | No.   | Dénomination   |
|-------|--|-------|--|
| 1.205 | <b>Ball valve PN40</b> for fuel oil EL and S, Teflon seal, max. 160 °C for oil supply lines < 40 bar, steel casing<br>DN 20<br>DN 25<br>DN 32<br>DN 40<br>DN 50  | 1.205 | <b>Robinet à bille PN40</b> pour FOD et FOL, joint Teflon, max. 160 °C pour conduites fioul < 40 bar, corps en acier<br>DN 20<br>DN 25<br>DN 32<br>DN 40<br>DN 50  |
| 1.206 | <b>Sealing</b> Universal N, blue (without picture)<br>DN 20, PN40 28 x 60 x 2<br>DN 25, PN40 35 x 70 x 2<br>DN 32, PN40 43 x 82 x 2<br>DN 40, PN40 49 x 92 x 2<br>DN 50, PN40 61 x 107 x 2<br>DN 65, PN40 77 x 127 x 2<br><br><b>Three way ball valve</b> , DN20, PN40 (double version) (without picture) with limit switch<br>DN25, PN 40<br>G3/4, PN40<br>G1, PN40<br><br><b>Shut off combination</b> for fuel oil EL and S mechanically coupled and additionally equipped with a limit switch   | 1.206 | <b>Joint</b> (universel N, bleu) selon DIN 2690 (sans photo)<br>DN 20, PN40 28 x 60 x 2<br>DN 25, PN40 35 x 70 x 2<br>DN 32, PN40 43 x 82 x 2<br>DN 32, PN40 43 x 82 x 2<br>DN 50, PN40 61 x 107 x 2<br>DN 65, PN40 77 x 127 x 2<br><br><b>Robinet à bille à trois voies</b> , DN20, PN40 (exécution double) (sans photo) avec fin de course<br>DN25, PN40<br>G3/4, PN40<br>G1, PN40<br><br><b>Robinets couplés</b> pour fiouls domestique et lourd couplés mécaniquement et équipés d'un fin de course.   |
| 1.207 | <b>Shut off combination</b> , for fuel oil EL and S, PN40<br>G3/8, Teflon seal<br>G1/2, Teflon seal<br>G1, Teflon seal   | 1.207 | <b>Robinets couplés</b> , pour FOD et FOL, PN40<br>G 3/8, joint Teflon<br>G 1/2, joint Teflon<br>G 1, joint Teflon   |
| 1.208 | <b>Shut off combination</b> , for fuel oil EL and S with counter flange, seal and screws, for oil supply lines PN10<br>DN 20, Teflon seal<br>DN 25, Teflon seal<br>DN 32, Teflon seal<br>DN 50, Teflon seal  | 1.208 | <b>Robinets couplés</b> pour FOD et FOL avec contre-bridés, joints et vis pour conduites fioul PN10<br>DN 20, joint Teflon<br>DN 25, joint Teflon<br>DN 32, joint Teflon<br>DN 50, joint Teflon  |
| 1.209 | <b>Shut off combination</b> , for fuel oil EL and S with safety valve, with counter flange, seal and screws, for oil supply lines PN10<br>Used for WK burners with separate pump, for example<br>DN 20, Teflon seal<br>DN 25, Teflon seal<br>DN 32, Teflon seal<br>DN 50, Teflon seal  | 1.209 | <b>Robinets couplés</b> pour FOD et FOL avec vanne de sécurité avec contre-bridés, joints et vis, pour conduites fioul PN10<br>Utilisés par ex. pour brûleurs WK avec pompe séparée<br>DN 20, joint Teflon<br>DN 25, joint Teflon<br>DN 32, joint Teflon<br>DN 50, joint Teflon  |
| 1.210 | <b>Shut off combination</b> , with safety valve with counterflange, seals (not for WK with W-FM) and screws for pressure lines PN40 in supply and return<br>Not used for WK burners with W-FM<br>DN20, Teflon seal for fuel oil EL, M and S<br>DN25, Teflon seal for fuel oil EL, M and S<br><br><b>Shut off combination</b> , DN20 PN40 WK 40, 50, WK4 with safety valve for fuel oil EL, M and S, steel casing, can only be used with W-FM.<br><br><b>Shut off combination</b> , DN25 PN40 WK 70-80, WK4 with safety valve for fuel oil EL, M and S, steel casing, can only be used with W-FM.<br><br><b>Shut off combination</b> , DN32 PN40 WK 80, with safety valve for fuel oil EL, M and S, steel casing, can only be used with W-FM.<br><br><b>Shut off combination</b> , DN40 PN40 WK 80, with safety valve for fuel oil EL, M and S, steel casing, can only be used with W-FM. | 1.210 | <b>Robinets couplés</b> avec vanne de sécurité avec contre-bridés, joints (pas WK équipé de W-FM) et vis pour conduites HP PN40 sur le départ et le retour<br>Ne pas utiliser avec des brûleurs WK équipés de W-FM<br>DN 20, joint Teflon pour FOD et FOL<br>DN 25, joint Teflon pour FOD et FOL<br><br><b>Robinets couplés</b> DN20 PN40 WK 40, 50, WK4 avec vanne de sécurité pour FOD et FOL, corps en acier, uniquement avec un W-FM.<br><br><b>Robinets couplés</b> DN25 PN40 WK 70-80, WK4 avec vanne de sécurité pour FOD et FOL, corps en acier, uniquement avec W-FM.<br><br><b>Robinets couplés</b> DN32 PN40 WK 80, avec vanne de sécurité pour FOD et FOL, corps en acier, uniquement avec W-FM.<br><br><b>Robinets couplés</b> DN40 PN40 WK 80, avec vanne de sécurité pour FOD et FOL, corps en acier, uniquement avec W-FM. |
| 1.211 | <b>Shut off combination</b> , with safety valve and limit switch, PN40<br>G1/2<br>G1<br><br>Replacement parts for shut off combinations  | 1.211 | <b>Robinets couplés</b> avec vanne de sécurité et fin de course, PN 40<br>G 1/2<br>G1<br><br>Pièces détachées pour robinets couplés  |
| 1.212 | <b>Safety valve</b> G 1/2, PN 320, type 4373 Setting: 1.8 bar  | 1.212 | <b>Vanne de sécurité</b> G 1/2, PN 320, Typ 4373 Réglage: 1,8 bar  |
| 1.213 | <b>Limit switch</b> XCK-P2110 P16, 3A, 240V, IP66 (without picture)  | 1.213 | <b>Fin de course</b> XCK-P2110 P16, 3A, 240V, IP66 (sans photo)  |



1.301  
1.302

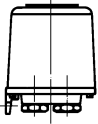
1.401

1.404

| Nr.        | Bezeichnung   | Bestell-Nr.<br>Order-No.<br>No de commande  | Preis EUR<br>(o. MwSt.) |                     |  |           |          |                                  |                    |
|------------|---|---|-------------------------|---------------------|--|-----------|----------|----------------------------------|--------------------|
| <b>1.3</b> | <b>Gas-Luft-Abscheider</b>  |   |                         |                     |  |           |          |                                  |                    |
| 1.301      | <b>Gas-Luft-Abscheider</b> zum Einbau in die Ringleitung. Brenner saugt damit nur blasenfreies Öl an.   |   |                         |                     |  |           |          |                                  |                    |
|            |   | Förderleistung der Ringleitungspumpe  |                         |                     |  |           |          |                                  |                    |
|            | Baugröße  | Ringleitung Anschluss   | entspricht DN           |                     |  |           |          |                                  |                    |
|            |   |   | Brennerabgang *         |                     |  |           |          |                                  |                    |
|            |   |   | entspricht DN           |                     |  |           |          |                                  |                    |
|            |   | Heizöl EL l/h   | Heizöl S l/h            |                     |  |           |          |                                  |                    |
|            | 1   | 33,7  | 25                      | 33,7                | 25   | 1000      | –        | 109 000 01 812                   |                    |
|            | 2   | 48,3  | 40                      | 33,7                | 25   | 3000      | 2000     | 109 000 00 122                   |                    |
|            | 3   | 60,3  | 50                      | 42,4                | 32   | 5000      | 3500     | 109 000 00 132                   |                    |
|            | 4   | 76,1  | 65                      | 48,3                | 40   | 9000      | 6000     | 109 000 00 142                   |                    |
| 1.302      | <b>Gas-Luft-Abscheider für Anlagen nach Anforderung gemäß PED*.</b>   |   |                         |                     |  |           |          |                                  |                    |
|            | Baugröße  | Ringleitung DN  | entspricht DN           | Brennerabgang DN    | entspricht DN  | Heizöl EL | Heizöl S |                                  |                    |
|            | 1   | 33,7  | 25                      | 33,7                | 25   | 1000      | –        | 109 000 01 872                   |                    |
|            | 2   | 48,3  | 40                      | 33,7                | 25   | 3000      | 2000     | 109 000 00 772                   |                    |
|            | 3   | 60,3  | 50                      | 42,4                | 32   | 5000      | 3500     | 109 000 00 782                   |                    |
|            | 4   | 76,1  | 65                      | 48,3                | 40   | 9000      | 6000     | 109 000 00 792                   |                    |
|            | 5   | 88,9  | 80                      | 60,3                | 50   | 15000     | 9000     | 109 000 00 802                   |                    |
|            | <b>Zulässig nach Anforderung gemäß PED.</b>   |   |                         |                     |  |           |          |                                  |                    |
|            | Die Schweißverbindungen mit dem Rohrsystem müssen von Schweißern hergestellt sein, die ein gültiges Prüfzeugnis nach DIN 8560 mindestens der Gruppe DIN EN 287.1 besitzen.  |   |                         |                     |  |           |          |                                  |                    |
|            | Die Baugröße der Gas-Luft-Abscheider ist nach der Nennweite der Ringleitung festzulegen. Das heißt, der Anschluss-Querschnitt der Gas-Luft-Abscheider wird in dieser Nennweite, die Brennerabgänge entsprechend des erforderlichen Brenner-Vor- und Rücklaufs ausgewählt. |   |                         |                     |  |           |          |                                  |                    |
|            | * Ausführungen können bauseits entsprechend reduziert werden.   |   |                         |                     |  |           |          |                                  |                    |
| 1.303      | <b>Gas-Luft-Abscheider</b> für Einstrang (mit Sicherheitsventil und Entlüftungshahn)<br>Baugröße 3<br>Baugröße 5  |   |                         |                     |  |           |          | 109 000 03 782<br>109 000 06 272 |                    |
|            | * PED = Druckgeräterichtlinie   |   |                         |                     |  |           |          |                                  |                    |
| <b>1.4</b> | <b>Begleitheizung</b>   |   |                         |                     |  |           |          |                                  |                    |
| 1.401      | <b>Wärmekebel</b><br>als Begleitheizung für Ölleitungen, erforderlich ca. 2 m Heizkebel je m zu beheizendes Rohr. Maximale Oberflächentemperatur 160°C. Silikonkautschukmantel mit Armierung aus Edelstahldrahtgeflecht.<br>Länge der Kaltenden 500 mm.                   |   |                         |                     |  |           |          |                                  |                    |
|            | Typ   | Länge ca. m   | Leistung Watt           | Anschlussspannung V |  |           |          |                                  |                    |
|            | <b>GSISI/V2A</b>  | 10  | 356                     | 400                 |  |           |          | 745 149                          |                    |
|            |   | 10  | 278                     | 230                 |  |           |          | 745 150                          |                    |
|            |   | 15  | 352                     | 230                 |  |           |          | 745 151                          |                    |
|            |   | 20  | 661                     | 230                 |  |           |          | 745 152                          |                    |
|            |   | 25  | 705                     | 230                 |  |           |          | 745 153                          |                    |
|            |   | 30  | 881                     | 230                 |  |           |          | 745 154                          |                    |
|            |   | 35  | 755                     | 230                 |  |           |          | 745 155                          |                    |
|            |   | 40  | 1017                    | 230                 |  |           |          | 745 156                          |                    |
|            |   | 50  | 1469                    | 230                 |  |           |          | 745 158                          |                    |
|            |   | 55  | 1336                    | 230                 |  |           |          | 745 159                          |                    |
|            |   | 60  | 1356                    | 230                 |  |           |          | 745 160                          |                    |
|            |   | 70  | 2099                    | 230                 |  |           |          | 745 162                          |                    |
|            |   | 80  | 2645                    | 230                 |  |           |          | 745 164                          |                    |
|            |   | Andere Wärmekebel- bzw. Anschlussenden-Längen sowie Spannungen auf Anfrage                                  |                         |                     |  |           |          |                                  |                    |
| 1.402      |   | <b>Schlauchband</b> zur Befestigung des Wärmekebels,<br>Rolle 9 mm breit, 25 m lang (ohne Bild)             |                         |                     | verzinkt (für Stahlrohre)<br>Edelstahl (für Kupferrohre) |           |          |                                  | 499 105<br>499 104 |
| 1.403      |   | <b>Schlauchs Schloss</b> für Schlauchband 9,5 mm x 14,5 mm (ohne Bild)<br>(ca. 3 Stück pro Meter) Edelstahl |                         |                     |  |           |          |                                  | 109 000 00 307     |
| 1.404      | <b>Temperaturregler</b> Typ GAT/7 HC AN 67 403<br>Gehäuse- Anlegethermostat, Arbeitsbereich 10/90 °C, Verstellung innenliegend  |   |                         |                     |  |           |          | 690 439                          |                    |
| 1.405      | <b>Temperaturregler ATHS-1</b> 20-150°, IP54, Tauchrohr V4A G 1/2 x 8 mm, Länge 100 mm  |   |                         |                     |  |           |          | 690 270                          |                    |

| No.              | Designation  |   |                      |               |                      |                  |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|------------------|--|---|----------------------|---------------|----------------------|------------------|-----------------|----------------|-----|------|-----|------|----|------|-----|----|------|-----|------|-----|------|------|-----|------|----|------|-----|------|------|-----|------|------|------|----|------|------|----|------|-----|------|------|-------|------|------|-----|
| <b>1.3</b>       | <b>Air/gas separators</b>  |   |                      |               |                      |                  |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 1.301            | <p><b>Air/gas separator</b> for installation into the ring main, to ensure the burner is then supplied with bubble free oil only.</p> <table border="1"> <thead> <tr> <th>Size</th> <th>Ring main connection</th> <th>equal to DN</th> <th>Burner outlet* DN</th> <th>equal to DN</th> <th>Fuel oil EL l/h</th> <th>Fuel oil S l/h</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>33.7</td> <td>25</td> <td>33.7</td> <td>25</td> <td>1000</td> <td>–</td> </tr> <tr> <td>2</td> <td>48.3</td> <td>40</td> <td>33.7</td> <td>25</td> <td>3000</td> <td>2000</td> </tr> <tr> <td>3</td> <td>60.3</td> <td>50</td> <td>42.4</td> <td>32</td> <td>5000</td> <td>3500</td> </tr> <tr> <td>4</td> <td>76.1</td> <td>65</td> <td>48.3</td> <td>40</td> <td>9000</td> <td>6000</td> </tr> </tbody> </table> <p style="text-align: right;">Flow rate of ring main pump</p>  | Size  | Ring main connection | equal to DN   | Burner outlet* DN    | equal to DN      | Fuel oil EL l/h | Fuel oil S l/h | 1   | 33.7 | 25  | 33.7 | 25 | 1000 | –   | 2  | 48.3 | 40  | 33.7 | 25  | 3000 | 2000 | 3   | 60.3 | 50 | 42.4 | 32  | 5000 | 3500 | 4   | 76.1 | 65   | 48.3 | 40 | 9000 | 6000 |    |      |     |      |      |       |      |      |     |
| Size             | Ring main connection   | equal to DN   | Burner outlet* DN    | equal to DN   | Fuel oil EL l/h      | Fuel oil S l/h   |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 1                | 33.7   | 25  | 33.7                 | 25            | 1000                 | –                |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 2                | 48.3   | 40  | 33.7                 | 25            | 3000                 | 2000             |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 3                | 60.3   | 50  | 42.4                 | 32            | 5000                 | 3500             |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 4                | 76.1   | 65  | 48.3                 | 40            | 9000                 | 6000             |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 1.302            | <p><b>Air/gas separator for installations in accordance with PED*.</b></p> <table border="1"> <thead> <tr> <th>Size</th> <th>Ring main connection</th> <th>equal to DN</th> <th>Burner outlet* DN</th> <th>equal to DN</th> <th>Fuel oil EL l/h</th> <th>Fuel oil S l/h</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>33.7</td> <td>25</td> <td>33.7</td> <td>25</td> <td>1000</td> <td>–</td> </tr> <tr> <td>2</td> <td>48.3</td> <td>40</td> <td>33.7</td> <td>25</td> <td>3000</td> <td>2000</td> </tr> <tr> <td>3</td> <td>60.3</td> <td>50</td> <td>42.4</td> <td>32</td> <td>5000</td> <td>3500</td> </tr> <tr> <td>4</td> <td>76.1</td> <td>65</td> <td>48.3</td> <td>40</td> <td>9000</td> <td>6000</td> </tr> <tr> <td>5</td> <td>88.9</td> <td>80</td> <td>60.3</td> <td>50</td> <td>15000</td> <td>9000</td> </tr> </tbody> </table> <p><b>Approved in accordance with PED</b><br/>The welded connection to the pipe system must be carried out by welders, who are in possession of a valid test certificate to DIN 8560, at least group DIN EN 287.1.<br/>The size of the air/gas separator depends on the nominal bore of the ring main, the air/gas separator is selected having the same nominal bore connections. The burner connections are selected relative to the burner supply and return.<br/>* Sizes can be reduced on site as required.</p> | Size  | Ring main connection | equal to DN   | Burner outlet* DN    | equal to DN      | Fuel oil EL l/h | Fuel oil S l/h | 1   | 33.7 | 25  | 33.7 | 25 | 1000 | –   | 2  | 48.3 | 40  | 33.7 | 25  | 3000 | 2000 | 3   | 60.3 | 50 | 42.4 | 32  | 5000 | 3500 | 4   | 76.1 | 65   | 48.3 | 40 | 9000 | 6000 | 5  | 88.9 | 80  | 60.3 | 50   | 15000 | 9000 |      |     |
| Size             | Ring main connection   | equal to DN   | Burner outlet* DN    | equal to DN   | Fuel oil EL l/h      | Fuel oil S l/h   |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 1                | 33.7   | 25  | 33.7                 | 25            | 1000                 | –                |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 2                | 48.3   | 40  | 33.7                 | 25            | 3000                 | 2000             |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 3                | 60.3   | 50  | 42.4                 | 32            | 5000                 | 3500             |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 4                | 76.1   | 65  | 48.3                 | 40            | 9000                 | 6000             |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 5                | 88.9   | 80  | 60.3                 | 50            | 15000                | 9000             |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 1.303            | <p><b>Air/Gas separator</b> for single pipe installation (with safety and vent valves)<br/>Size 3<br/>Size 5</p> <p>* PED = Pressure Equipment Directive</p>   |   |                      |               |                      |                  |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| <b>1.4</b>       | <b>Line heating</b>  |   |                      |               |                      |                  |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 1.401            | <p><b>Heating cable</b><br/>For oil line heating, allow approx. 2 m of cable per 1 m of pipe. Maximum surface temperature 160 °C. Silicon cover with reinforcement made of galvanized steel wire mesh. Cold connection ends 500 mm long.</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Length m (approx.)</th> <th>Capacity Watt</th> <th>Connection voltage V</th> </tr> </thead> <tbody> <tr> <td rowspan="16"><b>GSISI/V2A</b></td> <td>10</td> <td>356</td> <td>400</td> </tr> <tr> <td>10</td> <td>278</td> <td>230</td> </tr> <tr> <td>15</td> <td>352</td> <td>230</td> </tr> <tr> <td>20</td> <td>661</td> <td>230</td> </tr> <tr> <td>25</td> <td>705</td> <td>230</td> </tr> <tr> <td>30</td> <td>881</td> <td>230</td> </tr> <tr> <td>35</td> <td>755</td> <td>230</td> </tr> <tr> <td>40</td> <td>1017</td> <td>230</td> </tr> <tr> <td>50</td> <td>1469</td> <td>230</td> </tr> <tr> <td>55</td> <td>1336</td> <td>230</td> </tr> <tr> <td>60</td> <td>1356</td> <td>230</td> </tr> <tr> <td>70</td> <td>2099</td> <td>230</td> </tr> <tr> <td>80</td> <td>2645</td> <td>230</td> </tr> </tbody> </table> <p>Other heating cable, connection end lengths and voltages on request.</p>   | Type  | Length m (approx.)   | Capacity Watt | Connection voltage V | <b>GSISI/V2A</b> | 10              | 356            | 400 | 10   | 278 | 230  | 15 | 352  | 230 | 20 | 661  | 230 | 25   | 705 | 230  | 30   | 881 | 230  | 35 | 755  | 230 | 40   | 1017 | 230 | 50   | 1469 | 230  | 55 | 1336 | 230  | 60 | 1356 | 230 | 70   | 2099 | 230   | 80   | 2645 | 230 |
| Type             | Length m (approx.)   | Capacity Watt   | Connection voltage V |               |                      |                  |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| <b>GSISI/V2A</b> | 10   | 356   | 400                  |               |                      |                  |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 10   | 278   | 230                  |               |                      |                  |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 15   | 352   | 230                  |               |                      |                  |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 20   | 661   | 230                  |               |                      |                  |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 25   | 705   | 230                  |               |                      |                  |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 30   | 881   | 230                  |               |                      |                  |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 35   | 755   | 230                  |               |                      |                  |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 40   | 1017  | 230                  |               |                      |                  |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 50   | 1469  | 230                  |               |                      |                  |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 55   | 1336  | 230                  |               |                      |                  |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 60   | 1356  | 230                  |               |                      |                  |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 70   | 2099  | 230                  |               |                      |                  |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 80   | 2645  | 230                  |               |                      |                  |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 1.402  | <b>Band</b> for attaching the heating cable.<br>Roll 9 mm wide, 25 m long (without picture)                                       |                      |               |                      |                  |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 1.403  | <b>Band fastener</b> 9.5 mm x 14.5 mm (without picture)<br>(approx. 3 pieces per metre)   |                      |               |                      |                  |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 1.404  | <b>Temperature controller</b> type GAT/7HC AN 67 403 contact thermostat, operating range 10 °C to 90 °C, with internal adjustment |                      |               |                      |                  |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 1.405            | <b>Temperature controller ATHS-1</b> 20 °C -150 °C, IP54, thermostat pocket V4A G 1/2 x 8 mm, length 100 mm  |   |                      |               |                      |                  |                 |                |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |

| No.              | Dénomination  |   |                         |                 |                         |                  |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|------------------|---|---|-------------------------|-----------------|-------------------------|------------------|---------|---------|-----|------|-----|------|----|------|-----|----|------|-----|------|-----|------|------|-----|------|----|------|-----|------|------|-----|------|------|------|----|------|------|----|------|-----|------|------|-------|------|------|-----|
| <b>1.3</b>       | <b>Pot de dégazage</b>  |   |                         |                 |                         |                  |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 1.301            | <p><b>Pot de dégazage</b> à incorporer dans la boucle de transfert. Par conséquent, le brûleur n'aspire que du fioul sans bulles.</p> <table border="1"> <thead> <tr> <th>Taille</th> <th>Racc. boucle</th> <th>correspond à DN</th> <th>Sortie vers brûleur *</th> <th>correspond à DN</th> <th>FOD l/h</th> <th>FOL l/h</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>33,7</td> <td>25</td> <td>33,7</td> <td>25</td> <td>1000</td> <td>–</td> </tr> <tr> <td>2</td> <td>48,3</td> <td>40</td> <td>33,7</td> <td>25</td> <td>3000</td> <td>2000</td> </tr> <tr> <td>3</td> <td>60,3</td> <td>50</td> <td>42,4</td> <td>32</td> <td>5000</td> <td>3500</td> </tr> <tr> <td>4</td> <td>76,1</td> <td>65</td> <td>48,3</td> <td>40</td> <td>9000</td> <td>6000</td> </tr> </tbody> </table> <p style="text-align: right;">Puissance pompe de transfert</p>   | Taille  | Racc. boucle            | correspond à DN | Sortie vers brûleur *   | correspond à DN  | FOD l/h | FOL l/h | 1   | 33,7 | 25  | 33,7 | 25 | 1000 | –   | 2  | 48,3 | 40  | 33,7 | 25  | 3000 | 2000 | 3   | 60,3 | 50 | 42,4 | 32  | 5000 | 3500 | 4   | 76,1 | 65   | 48,3 | 40 | 9000 | 6000 |    |      |     |      |      |       |      |      |     |
| Taille           | Racc. boucle  | correspond à DN   | Sortie vers brûleur *   | correspond à DN | FOD l/h                 | FOL l/h          |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 1                | 33,7  | 25  | 33,7                    | 25              | 1000                    | –                |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 2                | 48,3  | 40  | 33,7                    | 25              | 3000                    | 2000             |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 3                | 60,3  | 50  | 42,4                    | 32              | 5000                    | 3500             |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 4                | 76,1  | 65  | 48,3                    | 40              | 9000                    | 6000             |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 1.302            | <p><b>Pot de dégazage pour installations selon exigence PED*.</b></p> <table border="1"> <thead> <tr> <th>Taille</th> <th>Racc. boucle</th> <th>correspond à DN</th> <th>Sortie vers brûleur *</th> <th>correspond à DN</th> <th>FOD l/h</th> <th>FOL l/h</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>33,7</td> <td>25</td> <td>33,7</td> <td>25</td> <td>1000</td> <td>–</td> </tr> <tr> <td>2</td> <td>48,3</td> <td>40</td> <td>33,7</td> <td>25</td> <td>3000</td> <td>2000</td> </tr> <tr> <td>3</td> <td>60,3</td> <td>50</td> <td>42,4</td> <td>32</td> <td>5000</td> <td>3500</td> </tr> <tr> <td>4</td> <td>76,1</td> <td>65</td> <td>48,3</td> <td>40</td> <td>9000</td> <td>6000</td> </tr> <tr> <td>5</td> <td>88,9</td> <td>80</td> <td>60,3</td> <td>50</td> <td>15000</td> <td>9000</td> </tr> </tbody> </table> <p><b>Conforme pour exigence selon PED.</b><br/>Les raccordements par soudure avec les tuyaux doivent être réalisés par du personnel titulaire d'une licence de soudure selon DIN 8560 (minimum groupe DIN EN 287.1).<br/>La taille des pots de dégazage doit être déterminée en fonction du diamètre de la boucle de transfert. Cela signifie que le pot de dégazage aura le diamètre de la boucle de transfert et le diamètre des raccordements vers le brûleur seront déterminés en fonction du pot de dégazage retenu.<br/>* Réduction des exécutions possible par le constructeur.</p> | Taille  | Racc. boucle            | correspond à DN | Sortie vers brûleur *   | correspond à DN  | FOD l/h | FOL l/h | 1   | 33,7 | 25  | 33,7 | 25 | 1000 | –   | 2  | 48,3 | 40  | 33,7 | 25  | 3000 | 2000 | 3   | 60,3 | 50 | 42,4 | 32  | 5000 | 3500 | 4   | 76,1 | 65   | 48,3 | 40 | 9000 | 6000 | 5  | 88,9 | 80  | 60,3 | 50   | 15000 | 9000 |      |     |
| Taille           | Racc. boucle  | correspond à DN   | Sortie vers brûleur *   | correspond à DN | FOD l/h                 | FOL l/h          |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 1                | 33,7  | 25  | 33,7                    | 25              | 1000                    | –                |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 2                | 48,3  | 40  | 33,7                    | 25              | 3000                    | 2000             |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 3                | 60,3  | 50  | 42,4                    | 32              | 5000                    | 3500             |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 4                | 76,1  | 65  | 48,3                    | 40              | 9000                    | 6000             |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 5                | 88,9  | 80  | 60,3                    | 50              | 15000                   | 9000             |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 1.303            | <p><b>Pot de dégazage</b> pour mono-tube (avec vanne sécurité et robinet purge)<br/>Taille 3<br/>Taille 5</p> <p>* PED = directive appareils sous pression</p>  |   |                         |                 |                         |                  |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| <b>1.4</b>       | <b>Accessoires de réchauffage</b>   |   |                         |                 |                         |                  |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 1.401            | <p><b>Câbles chauffants</b><br/>Pour le réchauffage des conduites fioul, env. 2 m de câble chauffant par m de câble chauffant. Température maxi en surface 160 °C. Enveloppe en silicone avec armature en treillis de fil d'acier galvanisé. Longueur des bouts de raccordement froids 500 mm.</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Longueur env. m</th> <th>Puissance Watt</th> <th>Tension de r raccord. V</th> </tr> </thead> <tbody> <tr> <td rowspan="16"><b>GSISI/V2A</b></td> <td>10</td> <td>356</td> <td>400</td> </tr> <tr> <td>10</td> <td>278</td> <td>230</td> </tr> <tr> <td>15</td> <td>352</td> <td>230</td> </tr> <tr> <td>20</td> <td>661</td> <td>230</td> </tr> <tr> <td>25</td> <td>705</td> <td>230</td> </tr> <tr> <td>30</td> <td>881</td> <td>230</td> </tr> <tr> <td>35</td> <td>755</td> <td>230</td> </tr> <tr> <td>40</td> <td>1017</td> <td>230</td> </tr> <tr> <td>50</td> <td>1469</td> <td>230</td> </tr> <tr> <td>55</td> <td>1336</td> <td>230</td> </tr> <tr> <td>60</td> <td>1356</td> <td>230</td> </tr> <tr> <td>70</td> <td>2099</td> <td>230</td> </tr> <tr> <td>80</td> <td>2645</td> <td>230</td> </tr> </tbody> </table> <p>Autres longueurs de câbles chauffants et bouts de raccordement froids ainsi que différentes tensions sur demande.</p>  | Type  | Longueur env. m         | Puissance Watt  | Tension de r raccord. V | <b>GSISI/V2A</b> | 10      | 356     | 400 | 10   | 278 | 230  | 15 | 352  | 230 | 20 | 661  | 230 | 25   | 705 | 230  | 30   | 881 | 230  | 35 | 755  | 230 | 40   | 1017 | 230 | 50   | 1469 | 230  | 55 | 1336 | 230  | 60 | 1356 | 230 | 70   | 2099 | 230   | 80   | 2645 | 230 |
| Type             | Longueur env. m   | Puissance Watt  | Tension de r raccord. V |                 |                         |                  |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| <b>GSISI/V2A</b> | 10  | 356   | 400                     |                 |                         |                  |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 10  | 278   | 230                     |                 |                         |                  |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 15  | 352   | 230                     |                 |                         |                  |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 20  | 661   | 230                     |                 |                         |                  |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 25  | 705   | 230                     |                 |                         |                  |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 30  | 881   | 230                     |                 |                         |                  |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 35  | 755   | 230                     |                 |                         |                  |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 40  | 1017  | 230                     |                 |                         |                  |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 50  | 1469  | 230                     |                 |                         |                  |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 55  | 1336  | 230                     |                 |                         |                  |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 60  | 1356  | 230                     |                 |                         |                  |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 70  | 2099  | 230                     |                 |                         |                  |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 80  | 2645  | 230                     |                 |                         |                  |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 1.402   | <b>Collier</b> pour fixation du câble chauffant, galvanisé (pour tubes acier)<br>Rouleau 9 mm de large, 25 m de long (sans photo) en acier (pour tubes en cuivre) |                         |                 |                         |                  |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 1.403   | <b>Fermeture</b> pour collier 9,5 mm x 14,5 mm (sans photo)<br>(env. 3 pièces par mètre) acier  |                         |                 |                         |                  |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
|                  | 1.404   | <b>Thermostat</b> type GAT/7 HC AN 67 403<br>Sonde en applique, plage 10/90 °C, réglage intérieur   |                         |                 |                         |                  |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |
| 1.405            | <b>Thermostat ATHS-1</b> 20-150°, IP54, tube plongeur V4A G 1/2 x 8 mm, longueur 100 mm   |   |                         |                 |                         |                  |         |         |     |      |     |      |    |      |     |    |      |     |      |     |      |      |     |      |    |      |     |      |      |     |      |      |      |    |      |      |    |      |     |      |      |       |      |      |     |



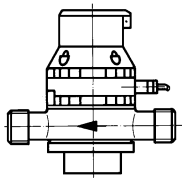
1.504  
1.505

| Nr.   | Bezeichnung   | Bestell-Nr.<br>Order-No.<br>No de commande   | Preis EUR<br>(o. MwSt.) |
|---|---|--|-------------------------|
| <b>1.5 Ölzhleinrichtungen</b>                           |   |  |                         |
| 1.501   | <b>Brenner-Umbausätze</b><br>mit Ölzhler <b>VZO 4</b><br>für Brenner-Typ WL5-PA + PB<br>WL5-B, WL10-D, WL20/1-C, WL20/2-C-Z-1LN<br>WL20/2-C<br>WL20/2-C, Z<br><br>L1Z-B<br>L1T-B<br>GL1<br><br><b>VZO 4 OEM RE-Impuls HF 0,005 L</b><br>WL20/2-C<br>WL30-C<br>WL30-C-LN<br>WL40Z-A, WL40Z-LN  | 240 051 00 100<br>240 100 00 150<br>240 201 00 140<br>240 201 00 110<br><br>210 163 85 062<br>210 193 85 012<br>250 103 85 012<br><br>240 201 00 150<br>240 301 00 060<br>240 301 00 070<br>240 401 00 010   |                         |
| 1.502   | <b>Brenner-Umbausätze</b><br>mit Ölzhler <b>VZO 8</b><br>für Brenner-Typ L1Z-B mit Ferngeber RE<br>L3Z-A (ohne LN)<br>L3Z-A (ohne LN) mit Ferngeber RE<br>L3T-A<br>GL3 (ohne Magnetkupplung)<br>L5Z, GL5, L5T<br>L7Z, L7T, GL7<br>WM-L10T (nicht bei TRD und 3LN)<br>WM-L10T mit Ferngeber RE (W-FM 50 bis 200, nicht bei TRD und 3LN)  | 210 163 85 102<br>210 363 85 092<br>210 363 85 102<br>210 393 85 012<br>250 301 00 320<br>110 501 00 072<br>110 701 00 052<br>201 101 00 030<br>201 101 00 040   |                         |
| 1.503   | <b>Brenner-Umbausätze</b><br>mit Ölzhler <b>VZO 20</b><br>für Brenner-Typ L8Z, L8Z/2<br>L8Z, L8Z/2 mit Ferngeber<br>L8T, L8T/2<br>L8T, L8T/2 mit Ferngeber<br>L9Z<br>L9Z mit Ferngeber<br>L9T<br>L9ZT mit Ferngeber<br>L10T<br>L10T mit Ferngeber<br><br>L30Z, L30T<br>L30Z, L30T mit Ferngeber<br>L40Z, L40T<br>L40Z, L40T mit Ferngeber<br>L50T<br>L50T mit Ferngeber<br><br>GL8<br>GL8 mit Ferngeber<br>GL9<br>GL9 mit Ferngeber<br><br>GL30T<br>GL30T mit Ferngeber<br>GL40T<br>GL40T mit Ferngeber | 110 701 00 132<br>110 701 00 162<br>110 701 00 142<br>110 701 00 152<br>110 901 00 112<br>110 901 00 132<br>110 901 00 122<br>110 901 00 142<br>180 001 00 052<br>180 001 00 062<br><br>280 301 00 032<br>280 301 00 042<br>280 401 00 032<br>280 401 00 042<br>280 501 00 032<br>280 501 00 042<br><br>150 701 00 052<br>150 701 00 062<br>150 901 00 032<br>150 901 00 042<br><br>290 301 00 032<br>290 301 00 042<br>290 401 00 042<br>290 401 00 052 |                         |
| <b>Ölzhler, lose<br/>(ohne Brenner-Anschlusssteile)</b> |   |  |                         |
| 1.504   | <b>Typ VZO 4</b> Bereich 1- 50 l/h, Betriebsdruck max 25 bar,<br>Betriebstemperatur max. 50°C<br>Anschluss Innengewinde G 1/8<br>Messgenauigkeit ±1 %<br>Gehäusematerial Messing<br>– mit Ferngeber (NF) RE 0,1 (0,1l/Impuls), 48 V<br>– mit Ferngeber (HF) 0,005L/Impuls   | 606 044<br>606 045<br>606 083  |                         |

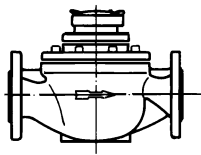


| No.        | Designation  |
|------------|--|
| <b>1.5</b> | <b>Oil meters</b>  |
| 1.501      | <p><b>Burner conversion kits</b><br/>with oil meter <b>VZO 4</b><br/>for burner types<br/>WL5-PA + PB<br/>WL5-B, WL10-D, WL20/1-C, WL20/2-C-Z-1LN<br/>WL20/2-C<br/>WL20/2-C, Z</p> <p>L1Z-B<br/>L1T-B<br/>GL1</p> <p><b>VZO 4 OEM RE-impulse HF 0,005 L</b><br/>WL20/2-C<br/>WL30-C<br/>WL30-C-LN<br/>WL40Z-A, WL40Z-LN</p>  |
| 1.502      | <p><b>Burner conversion kits</b><br/>with oil meter <b>VZO 8</b><br/>for burner types<br/>L1Z-B with remote transmitter RE<br/>L3Z-A (without LN)<br/>L3Z-A (without LN) with remote transmitter RE<br/>L3T-A<br/>GL3 (without magnetic coupling)<br/>L5Z, GL5, L5T<br/>L7Z, L7T, GL7<br/>WM-L10T (not for TRD and 3LN)<br/>WM-L10T with remote transmitter RE<br/>(W-FM 50 to 200 not for TRD and 3LN)</p>  |
| 1.503      | <p><b>Burner conversion kits</b><br/>with oil meter <b>VZO 20</b><br/>for burner types<br/>L8Z, L8Z/2<br/>L8Z, L8Z/2 with remote transmitter<br/>L8T, L8T/2<br/>L8T, L8T/2 with remote transmitter<br/>L9Z<br/>L9Z with remote transmitter<br/>L9T<br/>L9ZT with remote transmitter<br/>L10T<br/>L10T with remote transmitter</p> <p>L30Z, L30T<br/>L30Z, L30T with remote transmitter<br/>L40Z, L40T<br/>L40Z, L40T with remote transmitter<br/>L50T<br/>L50T with remote transmitter</p> <p>GL8<br/>GL8 with remote transmitter<br/>GL9<br/>GL9 with remote transmitter</p> <p>GL30T<br/>GL30T with remote transmitter<br/>GL40T<br/>GL40T with remote transmitter</p> |
|            | <b>Oil meter, loose<br/>(without connection parts)</b>   |
| 1.504      | <p><b>Type VZO 4</b> range 1 – 50 l/h, operating pressure max. 25 bar,<br/>operating temperature max. 50 °C,<br/>connection internal thread G 1/8<br/>measuring accuracy ± 1 %<br/>housing material brass<br/>– with remote transmitter (NF) RE 0.1 (0.1l/impulse),<br/>48V<br/>– with remote transmitter HF 0.005l/impulse</p>  |

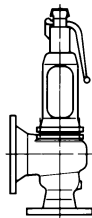
| No.        | Dénomination   |
|------------|--|
| <b>1.5</b> | <b>Compteurs fioul</b>   |
| 1.501      | <p><b>Ensemble de transformation</b><br/>avec compteur <b>VZO 4</b><br/>pour brûleur type<br/>WL5-PA + PB<br/>WL5-B, WL10-D, WL20/1-C, WL20/2-C-Z-1LN<br/>WL20/2-C<br/>WL20/2-C, Z</p> <p>L1Z-B<br/>L1T-B<br/>GL1</p> <p><b>VZO 4 OEM RE-impuls HF 0,005 L</b><br/>WL20/2-C<br/>WL30-C<br/>WL30-C-LN<br/>WL40Z-A, WL40Z-LN</p>   |
| 1.502      | <p><b>Ensemble de transformation</b><br/>avec compteur <b>VZO 8</b><br/>pour brûleur type<br/>L1Z-B avec transmetteur à distance RE<br/>L3Z-A (sans exéc. LN)<br/>L3Z-A (sans exéc. LN) avec transmetteur à distance RE<br/>L3T-A<br/>GL3 (sans accouplement magnétique)<br/>L5Z, GL5, L5T<br/>L7Z, L7T, GL7<br/>WM-L10T (pas pour TRD et 3LN)<br/>WM-L10T avec transmetteur à distance RE<br/>(W-FM 50 jusqu'à 200 pas pour TRD et 3LN)</p>   |
| 1.503      | <p><b>Ensemble de transformation</b><br/>avec compteur <b>VZO 20</b><br/>pour brûleur type<br/>L8Z, L8Z/2<br/>L8Z, L8Z/2 avec transmetteur à distance<br/>L8T, L8T/2<br/>L8T, L8T/2 avec transmetteur à distance<br/>L9Z<br/>L9Z avec transmetteur à distance<br/>L9T<br/>L9ZT avec transmetteur à distance<br/>L10T<br/>L10T avec transmetteur à distance</p> <p>L30Z, L30T<br/>L30Z, L30T avec transmetteur à distance<br/>L40Z, L40T<br/>L40Z, L40T avec transmetteur à distance<br/>L50T<br/>L50T avec transmetteur à distance</p> <p>GL8<br/>GL8 avec transmetteur à distance<br/>GL9<br/>GL9 avec transmetteur à distance</p> <p>GL30T<br/>GL30T avec transmetteur à distance<br/>GL40T<br/>GL40T avec transmetteur à distance</p> |
|            | <b>Compteur fioul séparé<br/>(sans pièces de racc. brûleur)</b>  |
| 1.504      | <p><b>Type VZO 4</b> Plaque 1- 50 l/h, pression de service max 25 bar,<br/>Température de service max. 50 °C<br/>Raccordement filetage intérieur G 1/8<br/>Précision de la mesure ± 1 %<br/>Carcasse en laiton<br/>– avec transmetteur (BF) RE 0,1 (0,1/Impuls), 48 V<br/>– avec transmetteur HF 0,005L/Impulsion</p>  |



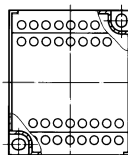
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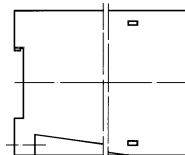
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1.513  
1.514

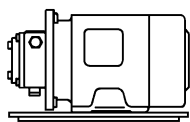


1.515  
1.516

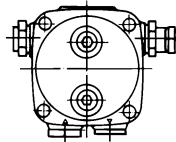


| Nr.   | Bezeichnung  | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |
|-------|--|--|-------------------------|
| 1.505 | <b>Typ VZO 8</b><br>Bereich 4-180 l/h, Betriebsdruck max 25 bar,<br>Betriebstemperatur max. 60°C<br>Anschluss Innengewinde G 1/4<br>Messgenauigkeit ± 1 %<br>Gehäusematerial Messing<br>– ohne Ferngeber<br>– mit Ferngeber (NF) RE 1(1 l/Impuls)<br>– mit Ferngeber (HF) RE 0,003111(0,003111 l/Impuls)   | 606 079<br>606 081<br>606 080              |                         |
| 1.506 | <b>Typ VZO 20</b><br>Bereich 30 - 1.330 l/h, Betriebsdruck max 16 bar,<br>Betriebstemperatur max. 130°C<br>Anschluss Außengewinde G 1<br>Messgenauigkeit ± 1 %<br>Gehäusematerial Messing<br>– ohne Ferngeber<br>– mit Ferngeber (NF) RV 1 (1 l/Impuls)<br>– mit Ferngeber (HF) IN 0,01 (0,01 l/Impuls)  | 606 053<br>606 055<br>606 054              |                         |
| 1.507 | – geflanschte Ausführung <b>DN 20</b> (ohne Ferngeber)<br>Gehäusematerial Sphäroguss   | 606 077                                    |                         |
| 1.510 | <b>Typ VZO 25</b><br>Bereich 75 - 2000 l/h, Betriebsdruck max 16 bar,<br>Betriebstemperatur max. 130°C<br>Anschluss Außengewinde G 1 1/4<br>Messgenauigkeit ± 1 %<br>Gehäusematerial Messing<br>– ohne Ferngeber<br>– mit Ferngeber (NF) RV 1 (1 l/Impuls)<br>– mit Ferngeber (HF) IN 0,1 (0,01 l/Impuls)  | 606 056<br>606 058<br>606 057              |                         |
| 1.511 | – geflanschte Ausführung <b>DN 25</b> (ohne Ferngeber)<br>Gehäusematerial Sphäroguss   | 606 078                                    |                         |
| 1.512 | <b>Steckersatz</b> für Ölzähler VZO  | 716 029                                    |                         |
| 1.513 | <b>Sicherheitsventil</b> Typ 4593.2512<br>Eingang: G 3/4 Außengewinde, Ausgang: G 1 Innengewinde<br>Ansprechdruck 1,8 bar, mit Einstellbescheinigung   | 640 286                                    |                         |
| 1.514 | <b>Sicherheitsventil DN25, PN40</b> Typ 4412.4512<br>Eingang: DN25, PN40, Ausgang: DN40, PN16<br>Ansprechdruck 1,8 bar, mit Einstellbescheinigung für Anlagen nach TRD 604   | 640 287                                    |                         |
| 1.515 | <b>Relais</b> KFA6-SR2-Ex1. W-LB Typ 4412.4512<br>mit 2 potentialfreien Relais-Ausgängen<br>für Impulsgeber Typ NF, Versorgungsspannung 230 V, Frequenz 45-65 Hz   | 606 082                                    |                         |
| 1.516 | <b>Frequenzstromumsetzer</b> Typ KFÜ8-UFC-1D<br>für Impulsgeber Typ HF<br>Versorgungsspannung: 230/115V und 24V DC<br>Eingangsfrequenz: 0,001 Hz ... 12 kHz<br>Analogausgang: 0/4 ... 20 mA<br><br>Beim Einbau von Heizölmengenzählern in Vor- und Rücklauf (vor der Brenner-Pumpe) muss ein Sicherheitsventil im Rücklauf eingebaut werden. Dies ist notwendig, damit beim Blockieren des Zählers das Öl im Rücklauf überströmen kann, und somit Schäden vermieden werden (siehe Pos. 1.512 und 1.513). | 606 084                                    |                         |
|       | <b>Anschluss- und Verbindungsteile für Ausführung nach TRD (o. Bild)</b>   |  |                         |
| 1.521 | <b>Anschlusssteile</b><br>VZO20<br>VZO25   | 109 000 02 422<br>109 000 02 432           |                         |
| 1.522 | <b>Verbindungsteile</b><br>DN 20<br>DN 25  | 151 331 26 332<br>151 331 26 292           |                         |
| 1.523 | <b>Doppelnippel</b><br>G1 A x 165<br>G1 1/4 A x 190  | 109 000 01 817<br>109 000 05 147           |                         |
| 1.524 | <b>Flansch</b><br>C 20 x 26,9 DIN 2633<br>C 25 x 33,7 DIN 2633   | 452 940<br>452 941                         |                         |

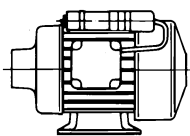
| No.   | Designation   | No.   | Dénomination  |
|-------|---|-------|---|
| 1.505 | <b>Type VZO 8</b><br>range 4 – 180 l/h, operating pressure max. 25 bar<br>operating temperature max. 60 °C,<br>connection internal thread G 1/4<br>measuring accuracy ± 1 %<br>housing material brass<br>– without remote transmitter<br>– with remote transmitter (NF) RE 1 (1 l/Impuls)<br>– with remote transmitter (HF) RE 0,003111<br>(0,003111 l/Impuls)  | 1.505 | <b>Type VZO 8</b><br>Plage 4-180 l/h, pression de service max 25 bar,<br>Température de service max. 60 °C<br>Raccordement filetage intérieur G 1/4<br>Précision de la mesure ± 1 %<br>Carcasse en laiton<br>– sans transmetteur<br>– avec transmetteur (BF) RE 1(1 l/Impulsion)<br>– avec transmetteur (HF) RE 0,003111<br>(0,003111 l/Impuls)   |
| 1.506 | <b>Type VZO 20</b><br>range 30 – 1330 l/h, operating pressure max. 16 bar<br>operating temperature max. 130 °C,<br>connection external thread G 1<br>measuring accuracy ± 1 %<br>housing material brass<br>– without remote transmitter<br>– with remote transmitter (NF) RV1 (1 l/Impuls)<br>– with remote transmitter (HF) IN 0.01 (0.01 l/Impuls)  | 1.506 | <b>Type VZO 20</b><br>Plage 30 - 1.330 l/h, pression de service max 16 bar,<br>Température de service max. 130 °C<br>Raccordement filetage intérieur G 1<br>Précision de la mesure ± 1 %<br>Carcasse en laiton<br>– sans transmetteur<br>– avec transmetteur (BF) RV 1 (1 l/Impulsion)<br>– avec transmetteur (HF) IN 0,01 (0,01 l/Impulsion)   |
| 1.507 | – flanged version <b>DN 20</b> (without remote transmitter)<br>housing material spheroid cast iron  | 1.507 | – exécution à brides <b>DN 20</b> (sans transmetteur)<br>Carcasse en fonte GS   |
| 1.510 | <b>Type VZO 25</b><br>range 75 – 2000 l/h, operating pressure max. 16 bar,<br>operating temperature max. 130 °C,<br>connection external thread G 1 1/4<br>measuring accuracy ± 1 %<br>housing material brass<br>– without remote transmitter<br>– with remote transmitter (NF) RV1 (1 l/Impuls)<br>– with remote transmitter (HF) IN 0,1 (0,01 l/Impuls)  | 1.510 | <b>Type VZO 25</b><br>Plage 75 - 2000 l/h, pression de service max 16 bar,<br>Température de service max. 130 °C<br>Raccordement filetage intérieur G 1 1/4<br>Précision de la mesure ± 1 %<br>Carcasse en laiton<br>– sans transmetteur<br>– avec transmetteur (BF) RV 1 (1 l/Impulsion)<br>– avec transmetteur (HF) IN 0,1 (0,01 l/Impulsion)   |
| 1.511 | – flanged version <b>DN 25</b> (without remote transmitter)<br>housing material spheroid cast iron  | 1.511 | – exécution à brides <b>DN 25</b> (sans transmetteur)<br>Carcasse en fonte GS   |
| 1.512 | <b>Plug set</b> for oil meter VZO   | 1.512 | <b>Connecteur</b> pour compteur fioul VZO   |
| 1.513 | <b>Safety valve</b> type 4593.2512<br>Inlet: G3/4 external thread, outlet: G1 internal thread<br>Response pressure 1.8 bar, with calibration certificate  | 1.513 | <b>Soupape de sécurité</b> type 4593.2512<br>Entrée : G 3/4 filetage extérieur, sortie : G 1 filetage intérieur<br>Pression de fonctionnement 1,8 bar, avec certificat d'étalonnage   |
| 1.514 | <b>Safety valve DN25, PN40</b> type 4412.4512<br>Inlet: DN25, PN40, outlet: DN40, PN16<br>Response pressure 1.8 bar, with calibration certificate for installations to TRD604   | 1.514 | <b>Soupape de sécurité DN25, PN40</b> type 4412.4512<br>Entrée : DN25, PN40, Sortie : DN40, PN16<br>Pression de fonctionnement 1,8 bar, avec certificat d'étalonnage pour installations selon TRD 604   |
| 1.515 | <b>Relay KFA6-SR2-Ex1. W-LB</b> type 4412.4512<br>with two potential free relay outputs<br>for impulse generator type NF, supply voltage 230 V, frequency 45-65 Hz  | 1.515 | <b>Relais KFA6-SR2-Ex1. W-LB</b> type 4412.4512<br>avec 2 contacts libres de potentiel<br>pour émetteur type BF, tension d'alimentation 230 V, fréquence 45-65 Hz   |
| 1.516 | <b>Frequency convertor</b> type KFU8-UFC-1D<br>for impulse generator type HF<br>Supply voltage: 230/115 V and 24V DC<br>Input frequency: 0.001 Hz ... 12 kHz<br>Analog output: 0/4 ... 20 mA<br><br>If an oil quantity meter is fitted in the supply and return line (before the burner pump), a bypass safety valve must be fitted around the meter in the return line. This is necessary for the oil to flow into the return line if the meter is blocked thus avoiding damage (see pos. 1.512 and 1.513).<br><br><b>Connecting parts for TRD</b> (without photo) | 1.516 | <b>Convertisseur de fréquence</b> type KFU8-UFC-1D<br>pour émetteur d'impulsions type HF<br>Tension d'alimentation : 230/115V et 24V DC<br>Fréquence d'entrée : 0,001 Hz ... 12 kHz<br>Sortie analogique : 0/4 ... 20 mA<br><br>Avant le montage d'un compteur sur le départ et le retour (avant la pompe brûleur) une soupape de sécurité doit être incorporée dans le retour. Ceci est nécessaire afin qu'au blocage du compteur fioul des dégâts soient évités dans le cas d'un éventuel écoulement de fioul. (voir pos. 1.512 et 1.513).<br><br><b>Éléments de raccordement pour exécution selon TRD</b> (sans image) |
| 1.521 | <b>Connecting parts</b><br>VZO20<br>VZO25   | 1.521 | <b>Éléments de raccordement</b><br>VZO20<br>VZO25   |
| 1.522 | <b>Connecting parts</b><br>DN 20<br>DN 25   | 1.522 | <b>Éléments de liaison</b><br>DN 20<br>DN 25  |
| 1.523 | <b>Double nipple</b><br>G1 m x 165<br>G1 1/4 m x 190  | 1.523 | <b>Mamelon double</b><br>G1 A x 165<br>G1 1/4 A x 190   |
| 1.524 | <b>Flange</b><br>C 20 x 26,9 DIN 2633<br>C 25 x 33,7 DIN 2633   | 1.524 | <b>Bride</b><br>C 20 x 26,9 DIN 2633<br>C 25 x 33,7 DIN 2633  |



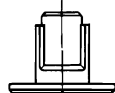
1.601



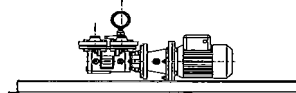
1.602



1.604



1.605

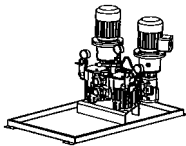


1.606

| Nr.               | Bezeichnung  | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |               |               |               |                   |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
|-------------------|--|--|-------------------------|---------------|---------------|---------------|-------------------|---------------|----------------|-------|---------|---------|------|--------|--------------|----|----------------|--------|-----|---------|------|------|----|----|----------------|-------|-----|---------|------|------|----|----|----------------|-------|-----|---------|------|------|----|----|----------------|--------|------|---------|------|------|----|----|----------------|--------|------|---------|------|------|----|----|----------------|--------|------|---------|------|------|----|----|----------------|--------|------|---------|------|------|----|----|----------------|--------|------|---------|-----|------|----|----|----------------|---------|------|---------|-----|------|----|----|----------------|--|--|
| <b>1.6</b>        | <b>Ringleitungsarmaturen / Zubringerpumpe / Ersatzteile</b><br>Pumpenaggregat für Heizöl EL (o. Bild), Motor 220V ~, 2800 min <sup>-1</sup> , Motorschutzschalter 1,20A erforderlich   |  |                         |               |               |               |                   |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
|                   | <table border="0"> <tr> <td>Typ</td> <td>Förderstrom</td> <td>Motorleistung</td> <td>Anschlussmaße</td> <td></td> </tr> <tr> <td></td> <td>Q, l/h</td> <td>kW</td> <td>DN</td> <td></td> </tr> </table>  | Typ  | Förderstrom             | Motorleistung | Anschlussmaße |               |                   | Q, l/h        | kW             | DN    |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| Typ               | Förderstrom  | Motorleistung                              | Anschlussmaße           |               |               |               |                   |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
|                   | Q, l/h   | kW   | DN                      |               |               |               |                   |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| 1.601             | <table border="0"> <tr> <td><b>FTU AE 47C</b></td> <td>50</td> <td>0,13</td> <td>G 1/4</td> <td>601 620</td> </tr> <tr> <td><b>FTU AE 97C</b></td> <td>150</td> <td>0,13</td> <td>G 1/4</td> <td>601 621</td> </tr> </table>   | <b>FTU AE 47C</b>                          | 50                      | 0,13          | G 1/4         | 601 620       | <b>FTU AE 97C</b> | 150           | 0,13           | G 1/4 | 601 621 |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| <b>FTU AE 47C</b> | 50   | 0,13                                       | G 1/4                   | 601 620       |               |               |                   |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| <b>FTU AE 97C</b> | 150  | 0,13                                       | G 1/4                   | 601 621       |               |               |                   |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
|                   | <b>Ersatzteile für FTU</b>   |  |                         |               |               |               |                   |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| 1.602             | <b>Pumpe</b> AE V 47 C 1700 6 M/FTU AE 47 C Suntec.<br>AE V 97 C 7304 2 M/FTU AE 97 C Suntec.  | 601 752<br>601 755                         |                         |               |               |               |                   |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| 1.603             | <b>Filtersatz</b> AE 47<br>AE 97   | 601 107<br>601 102                         |                         |               |               |               |                   |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| 1.604             | <b>Motor</b> mit Kupplung für FTU AE 97C 120 W 220V, 50 Hz   | 601 461                                    |                         |               |               |               |                   |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| 1.605             | <b>Kupplung</b> FTU AE   | 652 135                                    |                         |               |               |               |                   |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
|                   | <b>Ringleitungsarmaturen</b>   |  |                         |               |               |               |                   |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| 1.606             | <b>Einzel-Pumpenaggregat</b> Baureihe KFT bestehend aus:<br>Schraubenspindelpumpe, internes Sicherheitsventil, Motor Schutzart IP54, Manometer mit Absperrhahn, Anschweiß-Gegenflanschen Saug- und Druckseite, komplett auf Ölwanne aufgebaut  |  |                         |               |               |               |                   |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
|                   | <b>Für Heizöl EL, max. 4 bar, 50 Hz</b>  |  |                         |               |               |               |                   |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
|                   | <table border="0"> <tr> <td>Typ</td> <td>Fördermenge</td> <td>Spannung</td> <td>Motor-</td> <td>Drehzahl</td> <td>Anschlußmaße</td> <td>Druckseite DN</td> <td></td> </tr> <tr> <td></td> <td>l/h</td> <td>V</td> <td>kW</td> <td>1/min.</td> <td>Saugseite DN</td> <td></td> <td></td> </tr> </table>   | Typ  | Fördermenge             | Spannung      | Motor-        | Drehzahl      | Anschlußmaße      | Druckseite DN |                |       | l/h     | V       | kW   | 1/min. | Saugseite DN |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| Typ               | Fördermenge  | Spannung                                   | Motor-                  | Drehzahl      | Anschlußmaße  | Druckseite DN |                   |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
|                   | l/h  | V  | kW                      | 1/min.        | Saugseite DN  |               |                   |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
|                   | <table border="0"> <tr> <td>KFT-7</td> <td>150</td> <td>230/400</td> <td>0,18</td> <td>950</td> <td>25</td> <td>25</td> <td>574 000 05 010</td> </tr> <tr> <td>KFT-7</td> <td>312</td> <td>230/400</td> <td>0,25</td> <td>1450</td> <td>25</td> <td>25</td> <td>574 000 05 020</td> </tr> <tr> <td>KFT-15</td> <td>378</td> <td>230/400</td> <td>0,18</td> <td>950</td> <td>25</td> <td>25</td> <td>574 000 05 030</td> </tr> <tr> <td>KFT-5</td> <td>510</td> <td>230/400</td> <td>0,37</td> <td>2900</td> <td>25</td> <td>25</td> <td>574 000 05 040</td> </tr> <tr> <td>KFT-7</td> <td>780</td> <td>230/400</td> <td>0,37</td> <td>2900</td> <td>25</td> <td>25</td> <td>574 000 05 050</td> </tr> <tr> <td>KFT-10</td> <td>1062</td> <td>230/400</td> <td>0,37</td> <td>2900</td> <td>25</td> <td>25</td> <td>574 000 05 060</td> </tr> <tr> <td>KFT-15</td> <td>1632</td> <td>230/400</td> <td>0,37</td> <td>2900</td> <td>25</td> <td>25</td> <td>574 000 05 070</td> </tr> <tr> <td>KFT-20</td> <td>2148</td> <td>230/400</td> <td>0,55</td> <td>2900</td> <td>25</td> <td>25</td> <td>574 000 05 080</td> </tr> <tr> <td>KFT-32</td> <td>3498</td> <td>230/400</td> <td>0,75</td> <td>2900</td> <td>32</td> <td>32</td> <td>574 000 05 090</td> </tr> <tr> <td>KFT-42</td> <td>4662</td> <td>400/690</td> <td>1,1</td> <td>2900</td> <td>32</td> <td>32</td> <td>574 000 05 100</td> </tr> <tr> <td>KFT-55</td> <td>6414</td> <td>400/690</td> <td>1,5</td> <td>2900</td> <td>50</td> <td>50</td> <td>574 000 05 110</td> </tr> </table> | KFT-7                                      | 150                     | 230/400       | 0,18          | 950           | 25                | 25            | 574 000 05 010 | KFT-7 | 312     | 230/400 | 0,25 | 1450   | 25           | 25 | 574 000 05 020 | KFT-15 | 378 | 230/400 | 0,18 | 950  | 25 | 25 | 574 000 05 030 | KFT-5 | 510 | 230/400 | 0,37 | 2900 | 25 | 25 | 574 000 05 040 | KFT-7 | 780 | 230/400 | 0,37 | 2900 | 25 | 25 | 574 000 05 050 | KFT-10 | 1062 | 230/400 | 0,37 | 2900 | 25 | 25 | 574 000 05 060 | KFT-15 | 1632 | 230/400 | 0,37 | 2900 | 25 | 25 | 574 000 05 070 | KFT-20 | 2148 | 230/400 | 0,55 | 2900 | 25 | 25 | 574 000 05 080 | KFT-32 | 3498 | 230/400 | 0,75 | 2900 | 32 | 32 | 574 000 05 090 | KFT-42 | 4662 | 400/690 | 1,1 | 2900 | 32 | 32 | 574 000 05 100 | KFT-55  | 6414 | 400/690 | 1,5 | 2900 | 50 | 50 | 574 000 05 110 |  |  |
| KFT-7             | 150  | 230/400                                    | 0,18                    | 950           | 25            | 25            | 574 000 05 010    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-7             | 312  | 230/400                                    | 0,25                    | 1450          | 25            | 25            | 574 000 05 020    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-15            | 378  | 230/400                                    | 0,18                    | 950           | 25            | 25            | 574 000 05 030    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-5             | 510  | 230/400                                    | 0,37                    | 2900          | 25            | 25            | 574 000 05 040    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-7             | 780  | 230/400                                    | 0,37                    | 2900          | 25            | 25            | 574 000 05 050    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-10            | 1062   | 230/400                                    | 0,37                    | 2900          | 25            | 25            | 574 000 05 060    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-15            | 1632   | 230/400                                    | 0,37                    | 2900          | 25            | 25            | 574 000 05 070    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-20            | 2148   | 230/400                                    | 0,55                    | 2900          | 25            | 25            | 574 000 05 080    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-32            | 3498   | 230/400                                    | 0,75                    | 2900          | 32            | 32            | 574 000 05 090    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-42            | 4662   | 400/690                                    | 1,1                     | 2900          | 32            | 32            | 574 000 05 100    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-55            | 6414   | 400/690                                    | 1,5                     | 2900          | 50            | 50            | 574 000 05 110    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
|                   | <b>für Heizöl EL, max. 4 bar, Frequenz 60 HZ</b>   |  |                         |               |               |               |                   |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
|                   | <table border="0"> <tr> <td>Typ</td> <td>Fördermenge</td> <td>Spannung</td> <td>Motor-</td> <td>Drehzahl</td> <td>Anschluß</td> <td>Druckseite DN</td> <td></td> </tr> <tr> <td></td> <td>l/h</td> <td>V</td> <td>kW</td> <td>1/min.</td> <td>Saugseite DN</td> <td></td> <td></td> </tr> </table>   | Typ  | Fördermenge             | Spannung      | Motor-        | Drehzahl      | Anschluß          | Druckseite DN |                |       | l/h     | V       | kW   | 1/min. | Saugseite DN |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| Typ               | Fördermenge  | Spannung                                   | Motor-                  | Drehzahl      | Anschluß      | Druckseite DN |                   |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
|                   | l/h  | V  | kW                      | 1/min.        | Saugseite DN  |               |                   |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
|                   | <table border="0"> <tr> <td>KFT-7</td> <td>216</td> <td>230/400</td> <td>0,21</td> <td>1150</td> <td>25</td> <td>25</td> <td>574 000 05 120</td> </tr> <tr> <td>KFT-7</td> <td>408</td> <td>230/400</td> <td>0,3</td> <td>1750</td> <td>25</td> <td>25</td> <td>574 000 05 130</td> </tr> <tr> <td>KFT-15</td> <td>510</td> <td>230/400</td> <td>0,21</td> <td>1150</td> <td>25</td> <td>25</td> <td>574 000 05 140</td> </tr> <tr> <td>KFT-5</td> <td>630</td> <td>230/400</td> <td>0,44</td> <td>3450</td> <td>25</td> <td>25</td> <td>574 000 05 150</td> </tr> <tr> <td>KFT-7</td> <td>960</td> <td>230/400</td> <td>0,44</td> <td>3450</td> <td>25</td> <td>25</td> <td>574 000 05 160</td> </tr> <tr> <td>KFT-10</td> <td>1302</td> <td>230/400</td> <td>0,44</td> <td>3450</td> <td>25</td> <td>25</td> <td>574 000 05 170</td> </tr> <tr> <td>KFT-15</td> <td>1986</td> <td>230/400</td> <td>0,65</td> <td>3450</td> <td>25</td> <td>25</td> <td>574 000 05 180</td> </tr> <tr> <td>KFT-20</td> <td>2610</td> <td>230/400</td> <td>0,65</td> <td>3450</td> <td>25</td> <td>25</td> <td>574 000 05 190</td> </tr> <tr> <td>KFT-32</td> <td>4230</td> <td>230/400</td> <td>0,9</td> <td>3450</td> <td>32</td> <td>32</td> <td>574 000 05 200</td> </tr> <tr> <td>KFT-42</td> <td>5634</td> <td>400/690</td> <td>1,3</td> <td>3450</td> <td>32</td> <td>32</td> <td>574 000 05 210</td> </tr> <tr> <td>KFT-55</td> <td>7746</td> <td>400/690</td> <td>1,8</td> <td>3450</td> <td>50</td> <td>50</td> <td>574 000 05 220</td> </tr> </table> | KFT-7                                      | 216                     | 230/400       | 0,21          | 1150          | 25                | 25            | 574 000 05 120 | KFT-7 | 408     | 230/400 | 0,3  | 1750   | 25           | 25 | 574 000 05 130 | KFT-15 | 510 | 230/400 | 0,21 | 1150 | 25 | 25 | 574 000 05 140 | KFT-5 | 630 | 230/400 | 0,44 | 3450 | 25 | 25 | 574 000 05 150 | KFT-7 | 960 | 230/400 | 0,44 | 3450 | 25 | 25 | 574 000 05 160 | KFT-10 | 1302 | 230/400 | 0,44 | 3450 | 25 | 25 | 574 000 05 170 | KFT-15 | 1986 | 230/400 | 0,65 | 3450 | 25 | 25 | 574 000 05 180 | KFT-20 | 2610 | 230/400 | 0,65 | 3450 | 25 | 25 | 574 000 05 190 | KFT-32 | 4230 | 230/400 | 0,9  | 3450 | 32 | 32 | 574 000 05 200 | KFT-42 | 5634 | 400/690 | 1,3 | 3450 | 32 | 32 | 574 000 05 210 | KFT-55  | 7746 | 400/690 | 1,8 | 3450 | 50 | 50 | 574 000 05 220 |  |  |
| KFT-7             | 216  | 230/400                                    | 0,21                    | 1150          | 25            | 25            | 574 000 05 120    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-7             | 408  | 230/400                                    | 0,3                     | 1750          | 25            | 25            | 574 000 05 130    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-15            | 510  | 230/400                                    | 0,21                    | 1150          | 25            | 25            | 574 000 05 140    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-5             | 630  | 230/400                                    | 0,44                    | 3450          | 25            | 25            | 574 000 05 150    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-7             | 960  | 230/400                                    | 0,44                    | 3450          | 25            | 25            | 574 000 05 160    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-10            | 1302   | 230/400                                    | 0,44                    | 3450          | 25            | 25            | 574 000 05 170    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-15            | 1986   | 230/400                                    | 0,65                    | 3450          | 25            | 25            | 574 000 05 180    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-20            | 2610   | 230/400                                    | 0,65                    | 3450          | 25            | 25            | 574 000 05 190    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-32            | 4230   | 230/400                                    | 0,9                     | 3450          | 32            | 32            | 574 000 05 200    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-42            | 5634   | 400/690                                    | 1,3                     | 3450          | 32            | 32            | 574 000 05 210    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-55            | 7746   | 400/690                                    | 1,8                     | 3450          | 50            | 50            | 574 000 05 220    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
|                   | <b>Für Heizöl S, max. 7 bar, 50 Hz, Heizung 100 Watt</b>   |  |                         |               |               |               |                   |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
|                   | <table border="0"> <tr> <td>Typ</td> <td>Fördermenge</td> <td>Spannung</td> <td>Motor-</td> <td>Drehzahl</td> <td>Anschlußmaße</td> <td>Druckseite DN</td> <td></td> </tr> <tr> <td></td> <td>l/h</td> <td>V</td> <td>kW</td> <td>1/min.</td> <td>Saugseite DN</td> <td></td> <td></td> </tr> </table>   | Typ  | Fördermenge             | Spannung      | Motor-        | Drehzahl      | Anschlußmaße      | Druckseite DN |                |       | l/h     | V       | kW   | 1/min. | Saugseite DN |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| Typ               | Fördermenge  | Spannung                                   | Motor-                  | Drehzahl      | Anschlußmaße  | Druckseite DN |                   |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
|                   | l/h  | V  | kW                      | 1/min.        | Saugseite DN  |               |                   |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
|                   | <table border="0"> <tr> <td>KFT-7</td> <td>276</td> <td>230/400</td> <td>0,18</td> <td>950</td> <td>25</td> <td>25</td> <td>574 500 05 010</td> </tr> <tr> <td>KFT-7</td> <td>438</td> <td>230/400</td> <td>0,25</td> <td>1450</td> <td>25</td> <td>25</td> <td>574 500 05 020</td> </tr> <tr> <td>KFT-15</td> <td>564</td> <td>230/400</td> <td>0,25</td> <td>950</td> <td>25</td> <td>25</td> <td>574 500 05 030</td> </tr> <tr> <td>KFT-5</td> <td>606</td> <td>230/400</td> <td>0,37</td> <td>2900</td> <td>25</td> <td>25</td> <td>574 500 05 040</td> </tr> <tr> <td>KFT-7</td> <td>912</td> <td>230/400</td> <td>0,55</td> <td>2900</td> <td>25</td> <td>25</td> <td>574 500 05 050</td> </tr> <tr> <td>KFT-10</td> <td>1218</td> <td>230/400</td> <td>0,75</td> <td>2900</td> <td>25</td> <td>25</td> <td>574 500 05 060</td> </tr> <tr> <td>KFT-15</td> <td>1818</td> <td>230/400</td> <td>1,1</td> <td>2900</td> <td>25</td> <td>25</td> <td>574 500 05 070</td> </tr> <tr> <td>KFT-20</td> <td>2388</td> <td>230/400</td> <td>1,5</td> <td>2900</td> <td>25</td> <td>25</td> <td>574 500 05 080</td> </tr> <tr> <td>KFT-32</td> <td>3786</td> <td>230/400</td> <td>2,2</td> <td>2900</td> <td>32</td> <td>32</td> <td>574 500 05 090</td> </tr> <tr> <td>KFT-42</td> <td>5040</td> <td>400/690</td> <td>3</td> <td>2900</td> <td>32</td> <td>32</td> <td>574 500 05 100</td> </tr> <tr> <td>KFT-55*</td> <td>6900</td> <td>400/690</td> <td>3</td> <td>2900</td> <td>50</td> <td>50</td> <td>574 500 05 110</td> </tr> </table>       | KFT-7                                      | 276                     | 230/400       | 0,18          | 950           | 25                | 25            | 574 500 05 010 | KFT-7 | 438     | 230/400 | 0,25 | 1450   | 25           | 25 | 574 500 05 020 | KFT-15 | 564 | 230/400 | 0,25 | 950  | 25 | 25 | 574 500 05 030 | KFT-5 | 606 | 230/400 | 0,37 | 2900 | 25 | 25 | 574 500 05 040 | KFT-7 | 912 | 230/400 | 0,55 | 2900 | 25 | 25 | 574 500 05 050 | KFT-10 | 1218 | 230/400 | 0,75 | 2900 | 25 | 25 | 574 500 05 060 | KFT-15 | 1818 | 230/400 | 1,1  | 2900 | 25 | 25 | 574 500 05 070 | KFT-20 | 2388 | 230/400 | 1,5  | 2900 | 25 | 25 | 574 500 05 080 | KFT-32 | 3786 | 230/400 | 2,2  | 2900 | 32 | 32 | 574 500 05 090 | KFT-42 | 5040 | 400/690 | 3   | 2900 | 32 | 32 | 574 500 05 100 | KFT-55* | 6900 | 400/690 | 3   | 2900 | 50 | 50 | 574 500 05 110 |  |  |
| KFT-7             | 276  | 230/400                                    | 0,18                    | 950           | 25            | 25            | 574 500 05 010    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-7             | 438  | 230/400                                    | 0,25                    | 1450          | 25            | 25            | 574 500 05 020    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-15            | 564  | 230/400                                    | 0,25                    | 950           | 25            | 25            | 574 500 05 030    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-5             | 606  | 230/400                                    | 0,37                    | 2900          | 25            | 25            | 574 500 05 040    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-7             | 912  | 230/400                                    | 0,55                    | 2900          | 25            | 25            | 574 500 05 050    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-10            | 1218   | 230/400                                    | 0,75                    | 2900          | 25            | 25            | 574 500 05 060    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-15            | 1818   | 230/400                                    | 1,1                     | 2900          | 25            | 25            | 574 500 05 070    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-20            | 2388   | 230/400                                    | 1,5                     | 2900          | 25            | 25            | 574 500 05 080    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-32            | 3786   | 230/400                                    | 2,2                     | 2900          | 32            | 32            | 574 500 05 090    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-42            | 5040   | 400/690                                    | 3                       | 2900          | 32            | 32            | 574 500 05 100    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |
| KFT-55*           | 6900   | 400/690                                    | 3                       | 2900          | 50            | 50            | 574 500 05 110    |               |                |       |         |         |      |        |              |    |                |        |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |       |     |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |      |      |    |    |                |        |      |         |     |      |    |    |                |         |      |         |     |      |    |    |                |  |  |

| No.        | Designation  |                                      |                 |                          |           |  |
|------------|--|--------------------------------------|-----------------|--------------------------|-----------|--|
| <b>1.6</b> | <b>Ring main fittings</b>  |                                      |                 |                          |           |  |
|            | Pump unit f. oil EL (w/o picture), motor 220V~, 2800 rpm, 1.20A protect. required  |                                      |                 |                          |           |  |
|            | Type   | Capacity Q, l/h                      | Motor rating kW | Connection dimensions DN |           |  |
| 1.601      | <b>FTU AE 47C</b>  | 50                                   | 0.13            | G 1/4                    |           |  |
|            | <b>FTU AE 97C</b>  | 150                                  | 0.13            | G 1/4                    |           |  |
|            | <b>Spares for FTU</b>  |                                      |                 |                          |           |  |
| 1.602      | <b>Pump</b>  | AE 47 C 1393 1 M<br>AE 97 C 7390 2 M |                 |                          |           |  |
| 1.603      | <b>Filter set</b>  | AE 47<br>AE 97                       |                 |                          |           |  |
| 1.604      | <b>Motor with coupling for FTU AE 97 C 120W 220V, 50Hz</b>   |                                      |                 |                          |           |  |
| 1.605      | <b>Coupling for FTU AE</b>   |                                      |                 |                          |           |  |
|            | <b>Ring main fittings</b>  |                                      |                 |                          |           |  |
| 1.606      | <b>Single pump station type KFT consisting of:</b><br>Spindle screw pump, internal safety valve, motor type of protection IP54, pressure gauge with shut off valve, welded counter flange suction and pressure side, fitted complete to oil oil sump |                                      |                 |                          |           |  |
|            | <b>For fuel oil EL, max. 4 bar, 50 Hz</b>  |                                      |                 |                          |           |  |
|            | Type   | Flow rate l/h                        | Voltage V       | Motor rating kW          | Speed rpm | Connection dimensions suction s./pressure s. DN/DN |
|            | KFT-7  | 150                                  | 230/400         | 0.18                     | 950       | 25/25  |
|            | KFT-7  | 312                                  | 230/400         | 0.25                     | 1450      | 25/25  |
|            | KFT-15   | 378                                  | 230/400         | 0.18                     | 950       | 25/25  |
|            | KFT-5  | 510                                  | 230/400         | 0.37                     | 2900      | 25/25  |
|            | KFT-7  | 780                                  | 230/400         | 0.37                     | 2900      | 25/25  |
|            | KFT-10   | 1062                                 | 230/400         | 0.37                     | 2900      | 25/25  |
|            | KFT-15   | 1632                                 | 230/400         | 0.37                     | 2900      | 25/25  |
|            | KFT-20   | 2148                                 | 230/400         | 0.55                     | 2900      | 25/25  |
|            | KFT-32   | 3498                                 | 230/400         | 0.75                     | 2900      | 32/32  |
|            | KFT-42   | 4662                                 | 400/690         | 1.1                      | 2900      | 32/32  |
|            | KFT-55   | 6414                                 | 400/690         | 1.5                      | 2900      | 50/50  |
|            | <b>For fuel oil EL, max. 4 bar, 60 Hz</b>  |                                      |                 |                          |           |  |
|            | Type   | Flow rate l/h                        | Voltage V       | Motor rating kW          | Speed rpm | Connection dimensions suction s./pressure s. DN/DN |
|            | KFT-7  | 216                                  | 230/400         | 0.21                     | 1150      | 25/25  |
|            | KFT-7  | 408                                  | 230/400         | 0.3                      | 1750      | 25/25  |
|            | KFT-15   | 510                                  | 230/400         | 0.21                     | 1150      | 25/25  |
|            | KFT-5  | 630                                  | 230/400         | 0.44                     | 3450      | 25/25  |
|            | KFT-7  | 960                                  | 230/400         | 0.44                     | 3450      | 25/25  |
|            | KFT-10   | 1302                                 | 230/400         | 0.44                     | 3450      | 25/25  |
|            | KFT-15   | 1986                                 | 230/400         | 0.65                     | 3450      | 25/25  |
|            | KFT-20   | 2610                                 | 230/400         | 0.65                     | 3450      | 25/25  |
|            | KFT-32   | 4230                                 | 230/400         | 0.9                      | 3450      | 32/32  |
|            | KFT-42   | 5634                                 | 400/690         | 1.3                      | 3450      | 32/32  |
|            | KFT-55   | 7746                                 | 400/690         | 1.8                      | 3450      | 50/50  |
|            | <b>For fuel oil S, max. 7 bar, 50 Hz, heating 100 Watt</b>   |                                      |                 |                          |           |  |
|            | Type   | Flow rate l/h                        | Voltage V       | Motor rating kW          | Speed rpm | Connection dimensions suction s./pressure s. DN/DN |
|            | KFT-7  | 276                                  | 230/400         | 0.18                     | 950       | 25/25  |
|            | KFT-7  | 438                                  | 230/400         | 0.25                     | 1450      | 25/25  |
|            | KFT-15   | 564                                  | 230/400         | 0.25                     | 950       | 25/25  |
|            | KFT-5  | 606                                  | 230/400         | 0.37                     | 2900      | 25/25  |
|            | KFT-7  | 912                                  | 230/400         | 0.55                     | 2900      | 25/25  |
|            | KFT-10   | 1218                                 | 230/400         | 0.75                     | 2900      | 25/25  |
|            | KFT-15   | 1818                                 | 230/400         | 1.1                      | 2900      | 25/25  |
|            | KFT-20   | 2388                                 | 230/400         | 1.5                      | 2900      | 25/25  |
|            | KFT-32   | 3786                                 | 230/400         | 2.2                      | 2900      | 32/32  |
|            | KFT-42   | 5040                                 | 400/690         | 3                        | 2900      | 32/32  |
|            | KFT-55*  | 6900                                 | 400/690         | 3                        | 2900      | 50/50  |

| No.        | Dénomination  |                                      |                  |                 |                            |                                    |
|------------|---|--------------------------------------|------------------|-----------------|----------------------------|------------------------------------|
| <b>1.6</b> | <b>Accessoires pour boucles de transfert</b>  |                                      |                  |                 |                            |                                    |
|            | Groupe pompe pour FOD (sans photo), moteur 220V ~, 2800 min <sup>-1</sup> , protection moteur 1,20A nécessaire  |                                      |                  |                 |                            |                                    |
|            | Type  | Débit Q, l/h                         | Puissance moteur | Raccordement DN |                            |                                    |
| 1.601      | <b>FTU AE 47C</b>   | 50                                   | 0,13             | G 1/4           |                            |                                    |
|            | <b>FTU AE 97C</b>   | 150                                  | 0,13             | G 1/4           |                            |                                    |
|            | <b>Pièces détachées pour FTU</b>  |                                      |                  |                 |                            |                                    |
| 1.602      | <b>Pompe</b>  | AE 47 C 1393 1 M<br>AE 97 C 7390 2 M |                  |                 |                            |                                    |
| 1.603      | <b>Filtre</b>   | AE 47<br>AE 97                       |                  |                 |                            |                                    |
| 1.604      | <b>Moteur avec accouplement pour FTU AE 97C 120W 220V, 50 Hz</b>  |                                      |                  |                 |                            |                                    |
| 1.605      | <b>Accouplement FTU AE</b>  |                                      |                  |                 |                            |                                    |
|            | <b>Accessoires boucle de transfert</b>  |                                      |                  |                 |                            |                                    |
| 1.606      | <b>Groupe pompe simple série KFT comprenant :</b><br>Pompe à vis, vanne de sécurité interne, indice de protection moteur IP54, manomètre avec robinet d'isolement, contre-bridés à souder sur l'aspiration et le refoulement, complet pour montage sur cuve fioul |                                      |                  |                 |                            |                                    |
|            | <b>Pour FOD, max. 4 bar, 50 Hz</b>  |                                      |                  |                 |                            |                                    |
|            | Type  | Débit l/h                            | Tension V        | Moteur kW       | Vitesse de rotation 1/min. | Raccordements aspir./refoul. DN/DN |
|            | KFT-7   | 150                                  | 230/400          | 0,18            | 950                        | 25/25                              |
|            | KFT-7   | 312                                  | 230/400          | 0,25            | 1450                       | 25/25                              |
|            | KFT-15  | 378                                  | 230/400          | 0,18            | 950                        | 25/25                              |
|            | KFT-5   | 510                                  | 230/400          | 0,37            | 2900                       | 25/25                              |
|            | KFT-7   | 780                                  | 230/400          | 0,37            | 2900                       | 25/25                              |
|            | KFT-10  | 1062                                 | 230/400          | 0,37            | 2900                       | 25/25                              |
|            | KFT-15  | 1632                                 | 230/400          | 0,37            | 2900                       | 25/25                              |
|            | KFT-20  | 2148                                 | 230/400          | 0,55            | 2900                       | 25/25                              |
|            | KFT-32  | 3498                                 | 230/400          | 0,75            | 2900                       | 32/32                              |
|            | KFT-42  | 4662                                 | 400/690          | 1,1             | 2900                       | 32/32                              |
|            | KFT-55  | 6414                                 | 400/690          | 1,5             | 2900                       | 50/50                              |
|            | <b>Pour FOD, max. 4 bar, 60 Hz</b>  |                                      |                  |                 |                            |                                    |
|            | Type  | Débit l/h                            | Tension V        | Moteur kW       | Vitesse de rotation 1/min. | Raccordements aspir./refoul. DN/DN |
|            | KFT-7   | 216                                  | 230/400          | 0,21            | 1150                       | 25/25                              |
|            | KFT-7   | 408                                  | 230/400          | 0,3             | 1750                       | 25/25                              |
|            | KFT-15  | 510                                  | 230/400          | 0,21            | 1150                       | 25/25                              |
|            | KFT-5   | 630                                  | 230/400          | 0,44            | 3450                       | 25/25                              |
|            | KFT-7   | 960                                  | 230/400          | 0,44            | 3450                       | 25/25                              |
|            | KFT-10  | 1302                                 | 230/400          | 0,44            | 3450                       | 25/25                              |
|            | KFT-15  | 1986                                 | 230/400          | 0,65            | 3450                       | 25/25                              |
|            | KFT-20  | 2610                                 | 230/400          | 0,65            | 3450                       | 25/25                              |
|            | KFT-32  | 4230                                 | 230/400          | 0,9             | 3450                       | 32/32                              |
|            | KFT-42  | 5634                                 | 400/690          | 1,3             | 3450                       | 32/32                              |
|            | KFT-55  | 7746                                 | 400/690          | 1,8             | 3450                       | 50/50                              |
|            | <b>Pour FOL, max. 7 bar, 50 Hz, réchauffage 100 Watt</b>  |                                      |                  |                 |                            |                                    |
|            | Type  | Débit l/h                            | Tension V        | Moteur kW       | Vitesse de rotation 1/min. | Raccordements aspir./refoul. DN/DN |
|            | KFT-7   | 276                                  | 230/400          | 0,18            | 950                        | 25/25                              |
|            | KFT-7   | 438                                  | 230/400          | 0,25            | 1450                       | 25/25                              |
|            | KFT-15  | 564                                  | 230/400          | 0,25            | 950                        | 25/25                              |
|            | KFT-5   | 606                                  | 230/400          | 0,37            | 2900                       | 25/25                              |
|            | KFT-7   | 912                                  | 230/400          | 0,55            | 2900                       | 25/25                              |
|            | KFT-10  | 1218                                 | 230/400          | 0,75            | 2900                       | 25/25                              |
|            | KFT-15  | 1818                                 | 230/400          | 1,1             | 2900                       | 25/25                              |
|            | KFT-20  | 2388                                 | 230/400          | 1,5             | 2900                       | 25/25                              |
|            | KFT-32  | 3786                                 | 230/400          | 2,2             | 2900                       | 32/32                              |
|            | KFT-42  | 5040                                 | 400/690          | 3               | 2900                       | 32/32                              |
|            | KFT-55*   | 6900                                 | 400/690          | 3               | 2900                       | 50/50                              |



1.607

| Nr.      | Bezeichnung  | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |                    |  |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
|----------|--|--|-------------------------|--------------------|--|--------------------|--|--|--|---------|-----|---------|------|------|------------|------------|----------------|---------|-----|---------|------|------|------------|------------|----------------|---------|-----|---------|------|------|------------|------------|----------------|---------|-----|---------|------|------|------------|------------|----------------|---------|------|---------|------|------|------------|------------|----------------|----------|------|---------|------|------|------------|------------|----------------|----------|------|---------|------|------|------------|------------|----------------|----------|------|---------|------|------|------------|------------|----------------|----------|------|---------|------|------|------------|------------|----------------|----------|------|---------|-----|------|------------|------------|----------------|----------|------|---------|-----|------|--------|--------|----------------|-----|--------------------|---------------|--------------|--------------------|--|--|--|---------|-----|---------|------|------|------------|------------|----------------|---------|-----|---------|-----|------|------------|------------|----------------|---------|-----|---------|------|------|------------|------------|----------------|---------|-----|---------|------|------|------------|------------|----------------|---------|-----|---------|------|------|------------|------------|----------------|----------|------|---------|------|------|------------|------------|----------------|----------|------|---------|------|------|------------|------------|----------------|----------|------|---------|------|------|------------|------------|----------------|----------|------|---------|-----|------|------------|------------|----------------|----------|------|---------|-----|------|------------|------------|----------------|----------|------|---------|-----|------|--------|--------|----------------|--|--|
|          | <b>für Heizöl S, max. 7bar, Frequenz 60 HZ, Heizung 100 Watt</b>   |  |                         |                    |  |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
|          | <table border="1"> <thead> <tr> <th>Typ</th> <th>Fördermenge<br/>l/h</th> <th>Spannung<br/>V</th> <th>Motor-<br/>kW</th> <th>Drehzahl<br/>1/min.</th> <th colspan="2">Anschluß<br/>Saugseite DN Druckseite DN</th> <th></th> </tr> </thead> <tbody> <tr><td>KFT-7</td><td>342</td><td>230/400</td><td>0,21</td><td>1150</td><td>25</td><td>25</td><td>574 500 05 120</td></tr> <tr><td>KFT-7</td><td>540</td><td>230/400</td><td>0,3</td><td>1750</td><td>25</td><td>25</td><td>574 500 05 130</td></tr> <tr><td>KFT-15</td><td>696</td><td>230/400</td><td>0,3</td><td>1150</td><td>25</td><td>25</td><td>574 500 05 140</td></tr> <tr><td>KFT-5</td><td>720</td><td>230/400</td><td>0,44</td><td>3450</td><td>25</td><td>25</td><td>574 500 05 150</td></tr> <tr><td>KFT-7</td><td>1086</td><td>230/400</td><td>0,65</td><td>3450</td><td>25</td><td>25</td><td>574 500 05 160</td></tr> <tr><td>KFT-10</td><td>1452</td><td>230/400</td><td>0,9</td><td>3450</td><td>25</td><td>25</td><td>574 500 05 170</td></tr> <tr><td>KFT-15</td><td>2166</td><td>230/400</td><td>1,3</td><td>3450</td><td>25</td><td>25</td><td>574 500 05 180</td></tr> <tr><td>KFT-20</td><td>2856</td><td>230/400</td><td>1,8</td><td>3450</td><td>25</td><td>25</td><td>574 500 05 190</td></tr> <tr><td>KFT-32</td><td>4512</td><td>230/400</td><td>2,6</td><td>3450</td><td>32</td><td>32</td><td>574 500 05 200</td></tr> <tr><td>KFT-42</td><td>6018</td><td>400/690</td><td>3,6</td><td>3450</td><td>32</td><td>32</td><td>574 500 05 210</td></tr> <tr><td>KFT-55</td><td>8232</td><td>400/690</td><td>3,6</td><td>3450</td><td>50</td><td>50</td><td>574 500 05 220</td></tr> </tbody> </table>   | Typ  | Fördermenge<br>l/h      | Spannung<br>V      | Motor-<br>kW                           | Drehzahl<br>1/min. | Anschluß<br>Saugseite DN Druckseite DN |  |  | KFT-7   | 342 | 230/400 | 0,21 | 1150 | 25         | 25         | 574 500 05 120 | KFT-7   | 540 | 230/400 | 0,3  | 1750 | 25         | 25         | 574 500 05 130 | KFT-15  | 696 | 230/400 | 0,3  | 1150 | 25         | 25         | 574 500 05 140 | KFT-5   | 720 | 230/400 | 0,44 | 3450 | 25         | 25         | 574 500 05 150 | KFT-7   | 1086 | 230/400 | 0,65 | 3450 | 25         | 25         | 574 500 05 160 | KFT-10   | 1452 | 230/400 | 0,9  | 3450 | 25         | 25         | 574 500 05 170 | KFT-15   | 2166 | 230/400 | 1,3  | 3450 | 25         | 25         | 574 500 05 180 | KFT-20   | 2856 | 230/400 | 1,8  | 3450 | 25         | 25         | 574 500 05 190 | KFT-32   | 4512 | 230/400 | 2,6  | 3450 | 32         | 32         | 574 500 05 200 | KFT-42   | 6018 | 400/690 | 3,6 | 3450 | 32         | 32         | 574 500 05 210 | KFT-55   | 8232 | 400/690 | 3,6 | 3450 | 50     | 50     | 574 500 05 220 |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| Typ      | Fördermenge<br>l/h   | Spannung<br>V                              | Motor-<br>kW            | Drehzahl<br>1/min. | Anschluß<br>Saugseite DN Druckseite DN |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| KFT-7    | 342  | 230/400                                    | 0,21                    | 1150               | 25                                     | 25                 | 574 500 05 120                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| KFT-7    | 540  | 230/400                                    | 0,3                     | 1750               | 25                                     | 25                 | 574 500 05 130                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| KFT-15   | 696  | 230/400                                    | 0,3                     | 1150               | 25                                     | 25                 | 574 500 05 140                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| KFT-5    | 720  | 230/400                                    | 0,44                    | 3450               | 25                                     | 25                 | 574 500 05 150                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| KFT-7    | 1086   | 230/400                                    | 0,65                    | 3450               | 25                                     | 25                 | 574 500 05 160                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| KFT-10   | 1452   | 230/400                                    | 0,9                     | 3450               | 25                                     | 25                 | 574 500 05 170                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| KFT-15   | 2166   | 230/400                                    | 1,3                     | 3450               | 25                                     | 25                 | 574 500 05 180                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| KFT-20   | 2856   | 230/400                                    | 1,8                     | 3450               | 25                                     | 25                 | 574 500 05 190                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| KFT-32   | 4512   | 230/400                                    | 2,6                     | 3450               | 32                                     | 32                 | 574 500 05 200                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| KFT-42   | 6018   | 400/690                                    | 3,6                     | 3450               | 32                                     | 32                 | 574 500 05 210                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| KFT-55   | 8232   | 400/690                                    | 3,6                     | 3450               | 50                                     | 50                 | 574 500 05 220                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| 1.607    | <p><b>Doppel-Pumpenaggregat Baureihe DKC</b> bestehend aus:<br/>           2 Schraubenspindelpumpen, interne Sicherheitsventile, Motore Schutzart IP55<br/>           3-Wege-Umschalhahn, Mano-Vakuummeter mit Absperrhahn<br/>           Schmutzfänger Maschenweite 0,25 mm bei Heizöl EL und 0,5 mm bei Heizöl S,<br/>           Anschweiß-Gegenflanschen Saug- und Druckseite, komplett auf Ölwanne aufgebaut</p> <p><b>für Heizöl EL, max. 4bar, Frequenz 50 HZ</b></p> <table border="1"> <thead> <tr> <th>Typ</th> <th>Fördermenge<br/>l/h</th> <th>Spannung<br/>V</th> <th>Motor-<br/>kW</th> <th>Drehzahl<br/>1/min.</th> <th colspan="2">Anschluß<br/>Saugseite DN Druckseite DN</th> <th></th> </tr> </thead> <tbody> <tr><td>DKC-200</td><td>150</td><td>230/400</td><td>0,18</td><td>950</td><td>SAE 1 1/2"</td><td>SAE 1 1/2"</td><td>574 000 05 230</td></tr> <tr><td>DKC-450</td><td>312</td><td>230/400</td><td>0,25</td><td>1450</td><td>SAE 1 1/2"</td><td>SAE 1 1/2"</td><td>574 000 05 240</td></tr> <tr><td>DKC-420</td><td>378</td><td>230/400</td><td>0,18</td><td>950</td><td>SAE 1 1/2"</td><td>SAE 1 1/2"</td><td>574 000 05 250</td></tr> <tr><td>DKC-600</td><td>510</td><td>230/400</td><td>0,37</td><td>2900</td><td>SAE 1 1/2"</td><td>SAE 1 1/2"</td><td>574 000 05 260</td></tr> <tr><td>DKC-900</td><td>780</td><td>230/400</td><td>0,37</td><td>2900</td><td>SAE 1 1/2"</td><td>SAE 1 1/2"</td><td>574 000 05 270</td></tr> <tr><td>DKC-1200</td><td>1062</td><td>230/400</td><td>0,37</td><td>2900</td><td>SAE 1 1/2"</td><td>SAE 1 1/2"</td><td>574 000 05 280</td></tr> <tr><td>DKC-1800</td><td>1632</td><td>230/400</td><td>0,37</td><td>2900</td><td>SAE 1 1/2"</td><td>SAE 1 1/2"</td><td>574 000 05 290</td></tr> <tr><td>DKC-2400</td><td>2148</td><td>230/400</td><td>0,55</td><td>2900</td><td>SAE 1 1/2"</td><td>SAE 1 1/2"</td><td>574 000 05 300</td></tr> <tr><td>DKC-3300</td><td>3498</td><td>230/400</td><td>0,75</td><td>2900</td><td>SAE 1 1/2"</td><td>SAE 1 1/2"</td><td>574 000 05 310</td></tr> <tr><td>DKC-5000</td><td>4662</td><td>400/690</td><td>1,1</td><td>2900</td><td>SAE 1 1/2"</td><td>SAE 1 1/2"</td><td>574 000 05 320</td></tr> <tr><td>DKC-6000</td><td>6414</td><td>400/690</td><td>1,5</td><td>2900</td><td>SAE 2"</td><td>SAE 2"</td><td>574 000 05 330</td></tr> </tbody> </table> <p><b>für Heizöl EL, max. 4bar, Frequenz 60 HZ</b></p> <table border="1"> <thead> <tr> <th>Typ</th> <th>Fördermenge<br/>l/h</th> <th>Spannung<br/>V</th> <th>Motor-<br/>kW</th> <th>Drehzahl<br/>1/min.</th> <th colspan="2">Anschluß<br/>Saugseite DN Druckseite DN</th> <th></th> </tr> </thead> <tbody> <tr><td>DKC-200</td><td>216</td><td>230/400</td><td>0,21</td><td>1150</td><td>SAE 1 1/2"</td><td>SAE 1 1/2"</td><td>574 000 05 340</td></tr> <tr><td>DKC-450</td><td>408</td><td>230/400</td><td>0,3</td><td>1750</td><td>SAE 1 1/2"</td><td>SAE 1 1/2"</td><td>574 000 05 350</td></tr> <tr><td>DKC-420</td><td>510</td><td>230/400</td><td>0,21</td><td>1150</td><td>SAE 1 1/2"</td><td>SAE 1 1/2"</td><td>574 000 05 360</td></tr> <tr><td>DKC-600</td><td>630</td><td>230/400</td><td>0,44</td><td>3450</td><td>SAE 1 1/2"</td><td>SAE 1 1/2"</td><td>574 000 05 370</td></tr> <tr><td>DKC-900</td><td>960</td><td>230/400</td><td>0,44</td><td>3450</td><td>SAE 1 1/2"</td><td>SAE 1 1/2"</td><td>574 000 05 380</td></tr> <tr><td>DKC-1200</td><td>1302</td><td>230/400</td><td>0,44</td><td>3450</td><td>SAE 1 1/2"</td><td>SAE 1 1/2"</td><td>574 000 05 390</td></tr> <tr><td>DKC-1800</td><td>1986</td><td>230/400</td><td>0,65</td><td>3450</td><td>SAE 1 1/2"</td><td>SAE 1 1/2"</td><td>574 000 05 400</td></tr> <tr><td>DKC-2400</td><td>2610</td><td>230/400</td><td>0,65</td><td>3450</td><td>SAE 1 1/2"</td><td>SAE 1 1/2"</td><td>574 000 05 410</td></tr> <tr><td>DKC-3300</td><td>4230</td><td>230/400</td><td>0,9</td><td>3450</td><td>SAE 1 1/2"</td><td>SAE 1 1/2"</td><td>574 000 05 420</td></tr> <tr><td>DKC-5000</td><td>5634</td><td>400/690</td><td>1,3</td><td>3450</td><td>SAE 1 1/2"</td><td>SAE 1 1/2"</td><td>574 000 05 430</td></tr> <tr><td>DKC-6000</td><td>7746</td><td>400/690</td><td>1,8</td><td>3450</td><td>SAE 2"</td><td>SAE 2"</td><td>574 000 05 440</td></tr> </tbody> </table> | Typ  | Fördermenge<br>l/h      | Spannung<br>V      | Motor-<br>kW                           | Drehzahl<br>1/min. | Anschluß<br>Saugseite DN Druckseite DN |  |  | DKC-200 | 150 | 230/400 | 0,18 | 950  | SAE 1 1/2" | SAE 1 1/2" | 574 000 05 230 | DKC-450 | 312 | 230/400 | 0,25 | 1450 | SAE 1 1/2" | SAE 1 1/2" | 574 000 05 240 | DKC-420 | 378 | 230/400 | 0,18 | 950  | SAE 1 1/2" | SAE 1 1/2" | 574 000 05 250 | DKC-600 | 510 | 230/400 | 0,37 | 2900 | SAE 1 1/2" | SAE 1 1/2" | 574 000 05 260 | DKC-900 | 780  | 230/400 | 0,37 | 2900 | SAE 1 1/2" | SAE 1 1/2" | 574 000 05 270 | DKC-1200 | 1062 | 230/400 | 0,37 | 2900 | SAE 1 1/2" | SAE 1 1/2" | 574 000 05 280 | DKC-1800 | 1632 | 230/400 | 0,37 | 2900 | SAE 1 1/2" | SAE 1 1/2" | 574 000 05 290 | DKC-2400 | 2148 | 230/400 | 0,55 | 2900 | SAE 1 1/2" | SAE 1 1/2" | 574 000 05 300 | DKC-3300 | 3498 | 230/400 | 0,75 | 2900 | SAE 1 1/2" | SAE 1 1/2" | 574 000 05 310 | DKC-5000 | 4662 | 400/690 | 1,1 | 2900 | SAE 1 1/2" | SAE 1 1/2" | 574 000 05 320 | DKC-6000 | 6414 | 400/690 | 1,5 | 2900 | SAE 2" | SAE 2" | 574 000 05 330 | Typ | Fördermenge<br>l/h | Spannung<br>V | Motor-<br>kW | Drehzahl<br>1/min. | Anschluß<br>Saugseite DN Druckseite DN |  |  | DKC-200 | 216 | 230/400 | 0,21 | 1150 | SAE 1 1/2" | SAE 1 1/2" | 574 000 05 340 | DKC-450 | 408 | 230/400 | 0,3 | 1750 | SAE 1 1/2" | SAE 1 1/2" | 574 000 05 350 | DKC-420 | 510 | 230/400 | 0,21 | 1150 | SAE 1 1/2" | SAE 1 1/2" | 574 000 05 360 | DKC-600 | 630 | 230/400 | 0,44 | 3450 | SAE 1 1/2" | SAE 1 1/2" | 574 000 05 370 | DKC-900 | 960 | 230/400 | 0,44 | 3450 | SAE 1 1/2" | SAE 1 1/2" | 574 000 05 380 | DKC-1200 | 1302 | 230/400 | 0,44 | 3450 | SAE 1 1/2" | SAE 1 1/2" | 574 000 05 390 | DKC-1800 | 1986 | 230/400 | 0,65 | 3450 | SAE 1 1/2" | SAE 1 1/2" | 574 000 05 400 | DKC-2400 | 2610 | 230/400 | 0,65 | 3450 | SAE 1 1/2" | SAE 1 1/2" | 574 000 05 410 | DKC-3300 | 4230 | 230/400 | 0,9 | 3450 | SAE 1 1/2" | SAE 1 1/2" | 574 000 05 420 | DKC-5000 | 5634 | 400/690 | 1,3 | 3450 | SAE 1 1/2" | SAE 1 1/2" | 574 000 05 430 | DKC-6000 | 7746 | 400/690 | 1,8 | 3450 | SAE 2" | SAE 2" | 574 000 05 440 |  |  |
| Typ      | Fördermenge<br>l/h   | Spannung<br>V                              | Motor-<br>kW            | Drehzahl<br>1/min. | Anschluß<br>Saugseite DN Druckseite DN |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| DKC-200  | 150  | 230/400                                    | 0,18                    | 950                | SAE 1 1/2"                             | SAE 1 1/2"         | 574 000 05 230                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| DKC-450  | 312  | 230/400                                    | 0,25                    | 1450               | SAE 1 1/2"                             | SAE 1 1/2"         | 574 000 05 240                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| DKC-420  | 378  | 230/400                                    | 0,18                    | 950                | SAE 1 1/2"                             | SAE 1 1/2"         | 574 000 05 250                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| DKC-600  | 510  | 230/400                                    | 0,37                    | 2900               | SAE 1 1/2"                             | SAE 1 1/2"         | 574 000 05 260                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| DKC-900  | 780  | 230/400                                    | 0,37                    | 2900               | SAE 1 1/2"                             | SAE 1 1/2"         | 574 000 05 270                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| DKC-1200 | 1062   | 230/400                                    | 0,37                    | 2900               | SAE 1 1/2"                             | SAE 1 1/2"         | 574 000 05 280                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| DKC-1800 | 1632   | 230/400                                    | 0,37                    | 2900               | SAE 1 1/2"                             | SAE 1 1/2"         | 574 000 05 290                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| DKC-2400 | 2148   | 230/400                                    | 0,55                    | 2900               | SAE 1 1/2"                             | SAE 1 1/2"         | 574 000 05 300                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| DKC-3300 | 3498   | 230/400                                    | 0,75                    | 2900               | SAE 1 1/2"                             | SAE 1 1/2"         | 574 000 05 310                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| DKC-5000 | 4662   | 400/690                                    | 1,1                     | 2900               | SAE 1 1/2"                             | SAE 1 1/2"         | 574 000 05 320                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| DKC-6000 | 6414   | 400/690                                    | 1,5                     | 2900               | SAE 2"                                 | SAE 2"             | 574 000 05 330                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| Typ      | Fördermenge<br>l/h   | Spannung<br>V                              | Motor-<br>kW            | Drehzahl<br>1/min. | Anschluß<br>Saugseite DN Druckseite DN |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| DKC-200  | 216  | 230/400                                    | 0,21                    | 1150               | SAE 1 1/2"                             | SAE 1 1/2"         | 574 000 05 340                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| DKC-450  | 408  | 230/400                                    | 0,3                     | 1750               | SAE 1 1/2"                             | SAE 1 1/2"         | 574 000 05 350                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| DKC-420  | 510  | 230/400                                    | 0,21                    | 1150               | SAE 1 1/2"                             | SAE 1 1/2"         | 574 000 05 360                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| DKC-600  | 630  | 230/400                                    | 0,44                    | 3450               | SAE 1 1/2"                             | SAE 1 1/2"         | 574 000 05 370                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| DKC-900  | 960  | 230/400                                    | 0,44                    | 3450               | SAE 1 1/2"                             | SAE 1 1/2"         | 574 000 05 380                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| DKC-1200 | 1302   | 230/400                                    | 0,44                    | 3450               | SAE 1 1/2"                             | SAE 1 1/2"         | 574 000 05 390                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| DKC-1800 | 1986   | 230/400                                    | 0,65                    | 3450               | SAE 1 1/2"                             | SAE 1 1/2"         | 574 000 05 400                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| DKC-2400 | 2610   | 230/400                                    | 0,65                    | 3450               | SAE 1 1/2"                             | SAE 1 1/2"         | 574 000 05 410                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| DKC-3300 | 4230   | 230/400                                    | 0,9                     | 3450               | SAE 1 1/2"                             | SAE 1 1/2"         | 574 000 05 420                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| DKC-5000 | 5634   | 400/690                                    | 1,3                     | 3450               | SAE 1 1/2"                             | SAE 1 1/2"         | 574 000 05 430                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |
| DKC-6000 | 7746   | 400/690                                    | 1,8                     | 3450               | SAE 2"                                 | SAE 2"             | 574 000 05 440                         |  |  |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |     |                    |               |              |                    |  |  |  |         |     |         |      |      |            |            |                |         |     |         |     |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |         |     |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |      |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |            |            |                |          |      |         |     |      |        |        |                |  |  |

| No. | Designation  |               |           |                 |           |  |
|-----|--|---------------|-----------|-----------------|-----------|--|
|     | <b>For fuel oil S, max. 7 bar, 60 Hz, heating 100 Watt</b> |               |           |                 |           |  |
|     | Type   | Flow rate l/h | Voltage V | Motor rating kW | Speed rpm | Connection dimensions suction s./pressure s. DN/DN |
|     | KFT-7  | 342           | 230/400   | 0,21            | 1150      | 25/25  |
|     | KFT-7  | 540           | 230/400   | 0,3             | 1750      | 25/25  |
|     | KFT-15   | 696           | 230/400   | 0,3             | 1150      | 25/25  |
|     | KFT-5  | 720           | 230/400   | 0,44            | 3450      | 25/25  |
|     | KFT-7  | 1086          | 230/400   | 0,65            | 3450      | 25/25  |
|     | KFT-10   | 1452          | 230/400   | 0,9             | 3450      | 25/25  |
|     | KFT-15   | 2166          | 230/400   | 1,3             | 3450      | 25/25  |
|     | KFT-20   | 2856          | 230/400   | 1,8             | 3450      | 25/25  |
|     | KFT-32   | 4512          | 230/400   | 2,6             | 3450      | 32/32  |
|     | KFT-42   | 6018          | 400/690   | 3,6             | 3450      | 32/32  |
|     | KFT-55   | 8232          | 400/690   | 3,6             | 3450      | 50/50  |

1.607 **Double pump station type DKC** consisting of:  
 2 spindle screw pumps, internal safety valves, motors type of protection IP54, 3 way change-over valve, vacuum gauge with shut off valve, strainer mesh aperture 0.25 mm for fuel oil EL and 0.5 mm for fuel oil S welded counter flange suction and pressure side, fitted complete to oil sump

| <b>For fuel oil EL, max. 4 bar, 50 Hz</b> |               |           |                 |           |  |  |
|---|---------------|-----------|-----------------|-----------|--|--|
| Type                                      | Flow rate l/h | Voltage V | Motor rating kW | Speed rpm | Connection dimensions suction s./pressure s. DN/DN |  |
| DKC-200                                   | 150           | 230/400   | 0.18            | 950       | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-450                                   | 312           | 230/400   | 0.25            | 1450      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-420                                   | 378           | 230/400   | 0.18            | 950       | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-600                                   | 510           | 230/400   | 0.37            | 2900      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-900                                   | 780           | 230/400   | 0.37            | 2900      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-1200                                  | 1062          | 230/400   | 0.37            | 2900      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-1800                                  | 1632          | 230/400   | 0.37            | 2900      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-2400                                  | 2148          | 230/400   | 0.55            | 2900      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-3300                                  | 3498          | 230/400   | 0.75            | 2900      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-5000                                  | 4662          | 400/690   | 1.1             | 2900      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-6000                                  | 6414          | 400/690   | 1.5             | 2900      | SAE 2"/SAE 2"                                      |  |

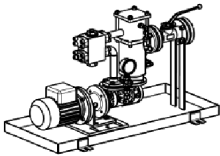
| <b>For fuel oil EL, max. 4 bar, 60 Hz</b> |               |           |                 |           |  |  |
|---|---------------|-----------|-----------------|-----------|--|--|
| Type                                      | Flow rate l/h | Voltage V | Motor rating kW | Speed rpm | Connection dimensions suction s./pressure s. DN/DN |  |
| DKC-200                                   | 216           | 230/400   | 0,21            | 1150      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-450                                   | 408           | 230/400   | 0,3             | 1750      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-420                                   | 510           | 230/400   | 0,21            | 1150      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-600                                   | 630           | 230/400   | 0,44            | 3450      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-900                                   | 960           | 230/400   | 0,44            | 3450      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-1200                                  | 1302          | 230/400   | 0,44            | 3450      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-1800                                  | 1986          | 230/400   | 0,65            | 3450      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-2400                                  | 2610          | 230/400   | 0,65            | 3450      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-3300                                  | 4230          | 230/400   | 0,9             | 3450      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-5000                                  | 5634          | 400/690   | 1,3             | 3450      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-6000                                  | 7746          | 400/690   | 1,8             | 3450      | SAE 2"/SAE 2"                                      |  |

| No. | Dénomination   |            |           |           |                            |                                    |
|-----|--|------------|-----------|-----------|----------------------------|------------------------------------|
|     | <b>Pour FOL, max. 7 bar, 60 Hz, réchauffage 100 Watt</b> |            |           |           |                            |                                    |
|     | Type   | Débit- l/h | Tension V | Moteur kW | Vitesse de rotation 1/min. | Raccordements aspir./refoul. DN/DN |
|     | KFT-7  | 342        | 230/400   | 0,21      | 1150                       | 25/25                              |
|     | KFT-7  | 540        | 230/400   | 0,3       | 1750                       | 25/25                              |
|     | KFT-15   | 696        | 230/400   | 0,3       | 1150                       | 25/25                              |
|     | KFT-5  | 720        | 230/400   | 0,44      | 3450                       | 25/25                              |
|     | KFT-7  | 1086       | 230/400   | 0,65      | 3450                       | 25/25                              |
|     | KFT-10   | 1452       | 230/400   | 0,9       | 3450                       | 25/25                              |
|     | KFT-15   | 2166       | 230/400   | 1,3       | 3450                       | 25/25                              |
|     | KFT-20   | 2856       | 230/400   | 1,8       | 3450                       | 25/25                              |
|     | KFT-32   | 4512       | 230/400   | 2,6       | 3450                       | 32/32                              |
|     | KFT-42   | 6018       | 400/690   | 3,6       | 3450                       | 32/32                              |
|     | KFT-55   | 8232       | 400/690   | 3,6       | 3450                       | 50/50                              |

1.607 **Groupe pompe double série DKC** comprenant :  
 2 pompes à vis, vannes de sécurité internes, indice de protection moteur IP54, vanne 3 voies, Mano/vacuomètre avec robinet d'isolement, filtre écartement de mailles 0,25 mm en FOD et 0,5 mm en FOL, contre-brides à souder sur l'aspiration et le refoulement, complet pour montage sur cuve fioul

| <b>Pour FOD, max. 4 bar, 50 Hz</b> |           |           |           |                            |                                    |  |
|------------------------------------|-----------|-----------|-----------|----------------------------|------------------------------------|--|
| Type                               | Débit l/h | Tension V | Moteur kW | Vitesse de rotation 1/min. | Raccordements aspir./refoul. DN/DN |  |
| DKC-200                            | 150       | 230/400   | 0.18      | 950                        | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-450                            | 312       | 230/400   | 0.25      | 1450                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-420                            | 378       | 230/400   | 0.18      | 950                        | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-600                            | 510       | 230/400   | 0.37      | 2900                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-900                            | 780       | 230/400   | 0.37      | 2900                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-1200                           | 1062      | 230/400   | 0.37      | 2900                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-1800                           | 1632      | 230/400   | 0.37      | 2900                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-2400                           | 2148      | 230/400   | 0.55      | 2900                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-3300                           | 3498      | 230/400   | 0.75      | 2900                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-5000                           | 4662      | 400/690   | 1.1       | 2900                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-6000                           | 6414      | 400/690   | 1.5       | 2900                       | SAE 2"/SAE 2"                      |  |

| <b>Pour FOD, max. 4 bar, 60 Hz</b> |           |           |           |                            |                                    |  |
|------------------------------------|-----------|-----------|-----------|----------------------------|------------------------------------|--|
| Type                               | Débit l/h | Tension V | Moteur kW | Vitesse de rotation 1/min. | Raccordements aspir./refoul. DN/DN |  |
| DKC-200                            | 216       | 230/400   | 0,21      | 1150                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-450                            | 408       | 230/400   | 0,3       | 1750                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-420                            | 510       | 230/400   | 0,21      | 1150                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-600                            | 630       | 230/400   | 0,44      | 3450                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-900                            | 960       | 230/400   | 0,44      | 3450                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-1200                           | 1302      | 230/400   | 0,44      | 3450                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-1800                           | 1986      | 230/400   | 0,65      | 3450                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-2400                           | 2610      | 230/400   | 0,65      | 3450                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-3300                           | 4230      | 230/400   | 0,9       | 3450                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-5000                           | 5634      | 400/690   | 1,3       | 3450                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-6000                           | 7746      | 400/690   | 1,8       | 3450                       | SAE 2"/SAE 2"                      |  |



1.608

| Nr.  | Bezeichnung   | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |                    |                          |                    |                |
|--|---|--|-------------------------|--------------------|--------------------------|--------------------|----------------|
| <b>für Heizöl S, max. 7bar, Frequenz 50 HZ, Heizung 220 Watt</b> |   |  |                         |                    |                          |                    |                |
| Typ  | Fördermenge<br>l/h  | Spannung<br>V                              | Motor-<br>kW            | Drehzahl<br>1/min. | Anschluß<br>Saugseite DN | Druckseite DN      |                |
| DKC-200  | 276   | 230/400                                    | 0,18                    | 950                | SAE 1 1/2"               | SAE 1 1/2"         | 574 500 05 230 |
| DKC-450  | 438   | 230/400                                    | 0,25                    | 1450               | SAE 1 1/2"               | SAE 1 1/2"         | 574 500 05 240 |
| DKC-420  | 564   | 230/400                                    | 0,25                    | 950                | SAE 1 1/2"               | SAE 1 1/2"         | 574 500 05 250 |
| DKC-600  | 606   | 230/400                                    | 0,37                    | 2900               | SAE 1 1/2"               | SAE 1 1/2"         | 574 500 05 260 |
| DKC-900  | 912   | 230/400                                    | 0,55                    | 2900               | SAE 1 1/2"               | SAE 1 1/2"         | 574 500 05 270 |
| DKC-1200   | 1218  | 230/400                                    | 0,75                    | 2900               | SAE 1 1/2"               | SAE 1 1/2"         | 574 500 05 280 |
| DKC-1800   | 1818  | 230/400                                    | 1,1                     | 2900               | SAE 1 1/2"               | SAE 1 1/2"         | 574 500 05 290 |
| DKC-2400   | 2388  | 230/400                                    | 1,5                     | 2900               | SAE 1 1/2"               | SAE 1 1/2"         | 574 500 05 300 |
| DKC-3300   | 3786  | 230/400                                    | 2,2                     | 2900               | SAE 1 1/2"               | SAE 1 1/2"         | 574 500 05 310 |
| DKC-5000   | 5040  | 400/690                                    | 3                       | 2900               | SAE 1 1/2"               | SAE 1 1/2"         | 574 500 05 320 |
| DKC-6000   | 6900  | 400/690                                    | 3                       | 2900               | SAE 2"                   | SAE 2"             | 574 500 05 330 |
| <b>für Heizöl S, max. 7bar, Frequenz 60 HZ, Heizung 220 Watt</b> |   |  |                         |                    |                          |                    |                |
| Typ  | Fördermenge<br>l/h  | Spannung<br>V                              | Motor-<br>kW            | Drehzahl<br>1/min. | Anschluß<br>Saugseite DN | Druckseite DN      |                |
| DKC-200  | 342   | 230/400                                    | 0,21                    | 1150               | SAE 1 1/2"               | SAE 1 1/2"         | 574 500 05 340 |
| DKC-450  | 540   | 230/400                                    | 0,3                     | 1750               | SAE 1 1/2"               | SAE 1 1/2"         | 574 500 05 350 |
| DKC-420  | 696   | 230/400                                    | 0,3                     | 1150               | SAE 1 1/2"               | SAE 1 1/2"         | 574 500 05 360 |
| DKC-600  | 720   | 230/400                                    | 0,44                    | 3450               | SAE 1 1/2"               | SAE 1 1/2"         | 574 500 05 370 |
| DKC-900  | 1086  | 230/400                                    | 0,65                    | 3450               | SAE 1 1/2"               | SAE 1 1/2"         | 574 500 05 380 |
| DKC-1200   | 1452  | 230/400                                    | 0,9                     | 3450               | SAE 1 1/2"               | SAE 1 1/2"         | 574 500 05 390 |
| DKC-1800   | 2166  | 230/400                                    | 1,32                    | 3450               | SAE 1 1/2"               | SAE 1 1/2"         | 574 500 05 400 |
| DKC-2400   | 2856  | 230/400                                    | 1,8                     | 3450               | SAE 1 1/2"               | SAE 1 1/2"         | 574 500 05 410 |
| DKC-3300   | 4512  | 230/400                                    | 2,64                    | 3450               | SAE 1 1/2"               | SAE 1 1/2"         | 574 500 05 420 |
| DKC-5000   | 6018  | 400/690                                    | 3,6                     | 3450               | SAE 1 1/2"               | SAE 1 1/2"         | 574 500 05 430 |
| DKC-6000   | 8232  | 400/690                                    | 3,6                     | 3450               | SAE 2"                   | SAE 2"             | 574 500 05 440 |
| 1.608  | <b>Einzel-Pumpstation Baureihe EKL für Einstrangbetrieb</b> bestehend aus:<br>Schraubenspindelpumpe mit Gleitringdichtung und Überströmventil ,Druckhalteventil (0,5-1,5bar)<br>Schmutzfänger Maschenweite 0,25 mm , Vakuumeter und Druckmanometer<br>Spannung 230/400V,50HZ<br>Anschweiß-Gegenflanschen Saug- und Druckseite, komplett auf Ölwanne aufgebaut |  |                         |                    |                          |                    |                |
| <b>für Heizöl EL, max. 5,5bar , Frequenz 50HZ</b>                |   |  |                         |                    |                          |                    |                |
| Typ  | Fördermenge<br>l/h  | Motor<br>kW                                | Pumpe-<br>anschluss     | Rohr-<br>anschluss | Pumpe-<br>anschluss      | Rohr-<br>anschluss |                |
| EKL13- 240   | 168   | 0,2  | DN25                    | Ø33,7 x 2,6        | SAE 3/4"                 | Ø26,9 x 2,6        | 574 000 05 450 |
| EKL13- 400   | 282   | 0,25                                       | DN25                    | Ø33,7 x 2,6        | SAE 3/4"                 | Ø26,9 x 2,6        | 574 000 05 460 |
| EKL13-500  | 396   | 0,25                                       | DN25                    | Ø33,7 x 2,6        | SAE 3/4"                 | Ø26,9 x 2,6        | 574 000 05 470 |
| EKL13-600  | 486   | 0,37                                       | DN25                    | Ø33,7 x 2,6        | SAE 3/4"                 | Ø26,9 x 2,6        | 574 000 05 480 |
| EKL13-1200   | 858   | 0,37                                       | DN25                    | Ø33,7 x 2,6        | SAE 3/4"                 | Ø26,9 x 2,6        | 574 000 05 490 |
| EKL13-1000   | 1020  | 0,37                                       | DN25                    | Ø33,7 x 2,6        | SAE 3/4"                 | Ø26,9 x 2,6        | 574 000 05 500 |
| EKL13-1800   | 1584  | 0,55                                       | DN25                    | Ø33,7 x 2,6        | SAE 3/4"                 | Ø26,9 x 2,6        | 574 000 05 510 |
| EKL13-2300   | 2082  | 0,55                                       | DN25                    | Ø33,7 x 2,6        | SAE 3/4"                 | Ø26,9 x 2,6        | 574 000 05 520 |
| EKL13-3200   | 3288  | 1,1  | DN40                    | Ø48,3 x 2,6        | SAE 1"                   | Ø33,7 x 3,2        | 574 000 05 530 |



| No. | Designation  |               |           |                 |           |  |
|-----|--|---------------|-----------|-----------------|-----------|--|
|     | <b>For fuel oil S, max. 7 bar, 50 Hz, heating 220 Watt</b> |               |           |                 |           |  |
|     | Type   | Flow rate l/h | Voltage V | Motor rating kW | Speed rpm | Connection dimensions suction s./pressure s. DN/DN |
|     | DKC-200  | 276           | 230/400   | 0.18            | 950       | SAE 1 1/2"/SAE 1 1/2"                              |
|     | DKC-450  | 438           | 230/400   | 0.25            | 1450      | SAE 1 1/2"/SAE 1 1/2"                              |
|     | DKC-420  | 564           | 230/400   | 0.25            | 950       | SAE 1 1/2"/SAE 1 1/2"                              |
|     | DKC-600  | 606           | 230/400   | 0.37            | 2900      | SAE 1 1/2"/SAE 1 1/2"                              |
|     | DKC-900  | 912           | 230/400   | 0.55            | 2900      | SAE 1 1/2"/SAE 1 1/2"                              |
|     | DKC-1200   | 1218          | 230/400   | 0.75            | 2900      | SAE 1 1/2"/SAE 1 1/2"                              |
|     | DKC-1800   | 1818          | 230/400   | 1.1             | 2900      | SAE 1 1/2"/SAE 1 1/2"                              |
|     | DKC-2400   | 2388          | 230/400   | 1.5             | 2900      | SAE 1 1/2"/SAE 1 1/2"                              |
|     | DKC-3300   | 3786          | 230/400   | 2.2             | 2900      | SAE 1 1/2"/SAE 1 1/2"                              |
|     | DKC-5000   | 5040          | 400/690   | 3               | 2900      | SAE 1 1/2"/SAE 1 1/2"                              |
|     | DKC-6000   | 6900          | 400/690   | 3               | 2900      | SAE 2"/SAE 2"                                      |

| <b>For fuel oil S, max. 7 bar, 60 Hz, heating 220 Watt</b> |               |           |                 |           |  |  |
|--|---------------|-----------|-----------------|-----------|--|--|
| Type   | Flow rate l/h | Voltage V | Motor rating kW | Speed rpm | Connection dimensions suction s./pressure s. DN/DN |  |
| DKC-200  | 342           | 230/400   | 0,21            | 1150      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-450  | 540           | 230/400   | 0,3             | 1750      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-420  | 696           | 230/400   | 0,3             | 1150      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-600  | 720           | 230/400   | 0,44            | 3450      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-900  | 1086          | 230/400   | 0,65            | 3450      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-1200   | 1452          | 230/400   | 0,9             | 3450      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-1800   | 2166          | 230/400   | 1,32            | 3450      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-2400   | 2856          | 230/400   | 1,8             | 3450      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-3300   | 4512          | 230/400   | 2,64            | 3450      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-5000   | 6018          | 400/690   | 3,6             | 3450      | SAE 1 1/2"/SAE 1 1/2"                              |  |
| DKC-6000   | 8232          | 400/690   | 3,6             | 3450      | SAE 2"/SAE 2"                                      |  |

1.608 **Single pump station type EKL for single pipe operation** consisting of: spindle screw pump with bearing sleeve seal and overflow valve, pressure retention valve (0.5-1.5bar) strainer mesh aperture 0.25 mm, vacuum gauge and pressure gauge, voltage 230/400V,50HZ  
Welded counter flanges suction and pressure side, mounted complete on oil pan

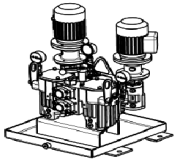
| <b>For fuel oil EL, max. 5,5 bar, 50 Hz, heating 220 Watt</b> |               |                 |            |             |            |             |
|---|---------------|-----------------|------------|-------------|------------|-------------|
| Type  | Flow rate l/h | Motor rating kW | Pump-conn. | Pipe conn.  | Pump conn. | Pipe conn.  |
| EKL13- 240  | 168           | 0,2             | DN25       | Ø33,7 x 2,6 | SAE 3/4"   | Ø26,9 x 2,6 |
| EKL13- 400  | 282           | 0,25            | DN25       | Ø33,7 x 2,6 | SAE 3/4"   | Ø26,9 x 2,6 |
| EKL13-500   | 396           | 0,25            | DN25       | Ø33,7 x 2,6 | SAE 3/4"   | Ø26,9 x 2,6 |
| EKL13-600   | 486           | 0,37            | DN25       | Ø33,7 x 2,6 | SAE 3/4"   | Ø26,9 x 2,6 |
| EKL13-1200  | 858           | 0,37            | DN25       | Ø33,7 x 2,6 | SAE 3/4"   | Ø26,9 x 2,6 |
| EKL13-1000  | 1020          | 0,37            | DN25       | Ø33,7 x 2,6 | SAE 3/4"   | Ø26,9 x 2,6 |
| EKL13-1800  | 1584          | 0,55            | DN25       | Ø33,7 x 2,6 | SAE 3/4"   | Ø26,9 x 2,6 |
| EKL13-2300  | 2082          | 0,55            | DN25       | Ø33,7 x 2,6 | SAE 3/4"   | Ø26,9 x 2,6 |
| EKL13-3200  | 3288          | 1,1             | DN40       | Ø48,3 x 2,6 | SAE 1"     | Ø33,7 x 3,2 |

| No. | Dénomination   |           |           |           |                            |                                    |
|-----|--|-----------|-----------|-----------|----------------------------|------------------------------------|
|     | <b>Pour FOL, max. 7 bar, 50 Hz, réchauffage 220 Watt</b> |           |           |           |                            |                                    |
|     | Type   | Débit l/h | Tension V | Moteur kW | Vitesse de rotation 1/min. | Raccordements aspir./refoul. DN/DN |
|     | DKC-200  | 276       | 230/400   | 0,18      | 950                        | SAE 1 1/2"/SAE 1 1/2"              |
|     | DKC-450  | 438       | 230/400   | 0,25      | 1450                       | SAE 1 1/2"/SAE 1 1/2"              |
|     | DKC-420  | 564       | 230/400   | 0,25      | 950                        | SAE 1 1/2"/SAE 1 1/2"              |
|     | DKC-600  | 606       | 230/400   | 0,37      | 2900                       | SAE 1 1/2"/SAE 1 1/2"              |
|     | DKC-900  | 912       | 230/400   | 0,55      | 2900                       | SAE 1 1/2"/SAE 1 1/2"              |
|     | DKC-1200   | 1218      | 230/400   | 0,75      | 2900                       | SAE 1 1/2"/SAE 1 1/2"              |
|     | DKC-1800   | 1818      | 230/400   | 1,1       | 2900                       | SAE 1 1/2"/SAE 1 1/2"              |
|     | DKC-2400   | 2388      | 230/400   | 1,5       | 2900                       | SAE 1 1/2"/SAE 1 1/2"              |
|     | DKC-3300   | 3786      | 230/400   | 2,2       | 2900                       | SAE 1 1/2"/SAE 1 1/2"              |
|     | DKC-5000   | 5040      | 400/690   | 3         | 2900                       | SAE 1 1/2"/SAE 1 1/2"              |
|     | DKC-6000   | 6900      | 400/690   | 3         | 2900                       | SAE 2"/SAE 2"                      |

| <b>Pour FOL, max. 7 bar, 60 Hz, réchauffage 220 Watt</b> |           |           |           |                            |                                    |  |
|--|-----------|-----------|-----------|----------------------------|------------------------------------|--|
| Type   | Débit l/h | Tension V | Moteur kW | Vitesse de rotation 1/min. | Raccordements aspir./refoul. DN/DN |  |
| DKC-200  | 342       | 230/400   | 0,21      | 1150                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-450  | 540       | 230/400   | 0,3       | 1750                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-420  | 696       | 230/400   | 0,3       | 1150                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-600  | 720       | 230/400   | 0,44      | 3450                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-900  | 1086      | 230/400   | 0,65      | 3450                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-1200   | 1452      | 230/400   | 0,9       | 3450                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-1800   | 2166      | 230/400   | 1,32      | 3450                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-2400   | 2856      | 230/400   | 1,8       | 3450                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-3300   | 4512      | 230/400   | 2,64      | 3450                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-5000   | 6018      | 400/690   | 3,6       | 3450                       | SAE 1 1/2"/SAE 1 1/2"              |  |
| DKC-6000   | 8232      | 400/690   | 3,6       | 3450                       | SAE 2"/SAE                         |  |

1.608 **Station de pompage simple type EKL pour fonctionnement mono-tube** composée de : pompe à vis avec joint et soupape différentielle, vanne de pression (0,5-1,5bar) filtre écartement de mailles 0,25 mm, mano/vacuomètre, tension 230/400V,50HZ contre-brides à souder sur l'alimentation et le refoulement, complet pour montage sur cuve fioul

| <b>Pour FOD, max. 5,5 bar, 50 Hz, réchauffage 220 Watt</b> |           |           |               |              |               |              |
|--|-----------|-----------|---------------|--------------|---------------|--------------|
| Type   | Débit l/h | Moteur kW | Raccord pompe | Raccord tube | Raccord pompe | Raccord tube |
| EKL13- 240   | 168       | 0,2       | DN25          | Ø33,7 x 2,6  | SAE 3/4"      | Ø26,9 x 2,6  |
| EKL13- 400   | 282       | 0,25      | DN25          | Ø33,7 x 2,6  | SAE 3/4"      | Ø26,9 x 2,6  |
| EKL13-500  | 396       | 0,25      | DN25          | Ø33,7 x 2,6  | SAE 3/4"      | Ø26,9 x 2,6  |
| EKL13-600  | 486       | 0,37      | DN25          | Ø33,7 x 2,6  | SAE 3/4"      | Ø26,9 x 2,6  |
| EKL13-1200   | 858       | 0,37      | DN25          | Ø33,7 x 2,6  | SAE 3/4"      | Ø26,9 x 2,6  |
| EKL13-1000   | 1020      | 0,37      | DN25          | Ø33,7 x 2,6  | SAE 3/4"      | Ø26,9 x 2,6  |
| EKL13-1800   | 1584      | 0,55      | DN25          | Ø33,7 x 2,6  | SAE 3/4"      | Ø26,9 x 2,6  |
| EKL13-2300   | 2082      | 0,55      | DN25          | Ø33,7 x 2,6  | SAE 3/4"      | Ø26,9 x 2,6  |
| EKL13-3200   | 3288      | 1,1       | DN40          | Ø48,3 x 2,6  | SAE 1"        | Ø33,7 x 3,2  |

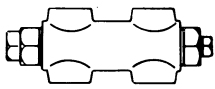


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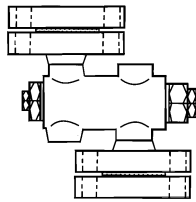
| Nr.      | Bezeichnung  | Bestell-Nr.<br>Order-No.<br>No de commande                           | Preis EUR<br>(o. MwSt.) |             |            |             |                |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |          |     |      |            |             |            |             |                |          |      |      |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |  |  |
|----------|--|--|-------------------------|-------------|------------|-------------|----------------|-------------|----------------|---------|-----|------|------------|-------------|------------|-------------|----------------|---------|-----|------|------------|-------------|------------|-------------|----------------|---------|-----|------|------------|-------------|------------|-------------|----------------|----------|-----|------|------------|-------------|------------|-------------|----------------|----------|------|------|------------|-------------|------------|-------------|----------------|----------|------|-----|------------|-------------|------------|-------------|----------------|----------|------|-----|------------|-------------|------------|-------------|----------------|----------|------|-----|------------|-------------|------------|-------------|----------------|--|--|
| 1.609    | <b>Doppelpumpstation Baureihe DKC für Einstrangbetrieb</b> bestehend aus:<br>2 Schraubenspindelpumpe mit Gleitringdichtung und Überströmventil<br>Kompaktstationsblock mit Druckhalteventil 0,5-1,5bar<br>Schmutzfänger Maschenweite 0,25 mm , Vakuumeter und Druckmanometer<br>Spannung 230/400V,50HZ<br>Anschweiß-Gegenflanschen Saug- und Druckseite, komplett auf Ölwanne aufgebaut  |  |                         |             |            |             |                |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |          |     |      |            |             |            |             |                |          |      |      |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |  |  |
|          | <b>für Heizöl EL, max. 5,5bar , Frequenz 50HZ</b>  |  |                         |             |            |             |                |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |          |     |      |            |             |            |             |                |          |      |      |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |  |  |
|          | <table border="0"> <tr> <td>DKC-450</td> <td>168</td> <td>0,18</td> <td>SAE 1 1/2"</td> <td>Ø48,3 x 3,2</td> <td>SAE 1 1/2"</td> <td>Ø48,3 x 3,2</td> <td>574 000 05 540</td> </tr> <tr> <td>DKC-450</td> <td>312</td> <td>0,25</td> <td>SAE 1 1/2"</td> <td>Ø48,3 x 3,2</td> <td>SAE 1 1/2"</td> <td>Ø48,3 x 3,2</td> <td>574 000 05 550</td> </tr> <tr> <td>DKC-500</td> <td>396</td> <td>0,25</td> <td>SAE 1 1/2"</td> <td>Ø48,3 x 3,2</td> <td>SAE 1 1/2"</td> <td>Ø48,3 x 3,2</td> <td>574 000 05 560</td> </tr> <tr> <td>DKC-600</td> <td>486</td> <td>0,37</td> <td>SAE 1 1/2"</td> <td>Ø48,3 x 3,2</td> <td>SAE 1 1/2"</td> <td>Ø48,3 x 3,2</td> <td>574 000 05 570</td> </tr> <tr> <td>DKC-1100</td> <td>858</td> <td>0,37</td> <td>SAE 1 1/2"</td> <td>Ø48,3 x 3,2</td> <td>SAE 1 1/2"</td> <td>Ø48,3 x 3,2</td> <td>574 000 05 580</td> </tr> <tr> <td>DKC-1200</td> <td>1020</td> <td>0,37</td> <td>SAE 1 1/2"</td> <td>Ø48,3 x 3,2</td> <td>SAE 1 1/2"</td> <td>Ø48,3 x 3,2</td> <td>574 000 05 590</td> </tr> <tr> <td>DKC-1800</td> <td>1584</td> <td>1,1</td> <td>SAE 1 1/2"</td> <td>Ø48,3 x 3,2</td> <td>SAE 1 1/2"</td> <td>Ø48,3 x 3,2</td> <td>574 000 05 600</td> </tr> <tr> <td>DKC-2400</td> <td>2082</td> <td>1,1</td> <td>SAE 1 1/2"</td> <td>Ø48,3 x 3,2</td> <td>SAE 1 1/2"</td> <td>Ø48,3 x 3,2</td> <td>574 000 05 610</td> </tr> <tr> <td>DKC-3300</td> <td>3288</td> <td>1,5</td> <td>SAE 1 1/2"</td> <td>Ø48,3 x 3,2</td> <td>SAE 1 1/2"</td> <td>Ø48,3 x 3,2</td> <td>574 000 05 620</td> </tr> </table> | DKC-450  | 168                     | 0,18        | SAE 1 1/2" | Ø48,3 x 3,2 | SAE 1 1/2"     | Ø48,3 x 3,2 | 574 000 05 540 | DKC-450 | 312 | 0,25 | SAE 1 1/2" | Ø48,3 x 3,2 | SAE 1 1/2" | Ø48,3 x 3,2 | 574 000 05 550 | DKC-500 | 396 | 0,25 | SAE 1 1/2" | Ø48,3 x 3,2 | SAE 1 1/2" | Ø48,3 x 3,2 | 574 000 05 560 | DKC-600 | 486 | 0,37 | SAE 1 1/2" | Ø48,3 x 3,2 | SAE 1 1/2" | Ø48,3 x 3,2 | 574 000 05 570 | DKC-1100 | 858 | 0,37 | SAE 1 1/2" | Ø48,3 x 3,2 | SAE 1 1/2" | Ø48,3 x 3,2 | 574 000 05 580 | DKC-1200 | 1020 | 0,37 | SAE 1 1/2" | Ø48,3 x 3,2 | SAE 1 1/2" | Ø48,3 x 3,2 | 574 000 05 590 | DKC-1800 | 1584 | 1,1 | SAE 1 1/2" | Ø48,3 x 3,2 | SAE 1 1/2" | Ø48,3 x 3,2 | 574 000 05 600 | DKC-2400 | 2082 | 1,1 | SAE 1 1/2" | Ø48,3 x 3,2 | SAE 1 1/2" | Ø48,3 x 3,2 | 574 000 05 610 | DKC-3300 | 3288 | 1,5 | SAE 1 1/2" | Ø48,3 x 3,2 | SAE 1 1/2" | Ø48,3 x 3,2 | 574 000 05 620 |  |  |
| DKC-450  | 168  | 0,18   | SAE 1 1/2"              | Ø48,3 x 3,2 | SAE 1 1/2" | Ø48,3 x 3,2 | 574 000 05 540 |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |          |     |      |            |             |            |             |                |          |      |      |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |  |  |
| DKC-450  | 312  | 0,25   | SAE 1 1/2"              | Ø48,3 x 3,2 | SAE 1 1/2" | Ø48,3 x 3,2 | 574 000 05 550 |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |          |     |      |            |             |            |             |                |          |      |      |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |  |  |
| DKC-500  | 396  | 0,25   | SAE 1 1/2"              | Ø48,3 x 3,2 | SAE 1 1/2" | Ø48,3 x 3,2 | 574 000 05 560 |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |          |     |      |            |             |            |             |                |          |      |      |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |  |  |
| DKC-600  | 486  | 0,37   | SAE 1 1/2"              | Ø48,3 x 3,2 | SAE 1 1/2" | Ø48,3 x 3,2 | 574 000 05 570 |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |          |     |      |            |             |            |             |                |          |      |      |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |  |  |
| DKC-1100 | 858  | 0,37   | SAE 1 1/2"              | Ø48,3 x 3,2 | SAE 1 1/2" | Ø48,3 x 3,2 | 574 000 05 580 |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |          |     |      |            |             |            |             |                |          |      |      |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |  |  |
| DKC-1200 | 1020   | 0,37   | SAE 1 1/2"              | Ø48,3 x 3,2 | SAE 1 1/2" | Ø48,3 x 3,2 | 574 000 05 590 |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |          |     |      |            |             |            |             |                |          |      |      |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |  |  |
| DKC-1800 | 1584   | 1,1  | SAE 1 1/2"              | Ø48,3 x 3,2 | SAE 1 1/2" | Ø48,3 x 3,2 | 574 000 05 600 |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |          |     |      |            |             |            |             |                |          |      |      |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |  |  |
| DKC-2400 | 2082   | 1,1  | SAE 1 1/2"              | Ø48,3 x 3,2 | SAE 1 1/2" | Ø48,3 x 3,2 | 574 000 05 610 |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |          |     |      |            |             |            |             |                |          |      |      |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |  |  |
| DKC-3300 | 3288   | 1,5  | SAE 1 1/2"              | Ø48,3 x 3,2 | SAE 1 1/2" | Ø48,3 x 3,2 | 574 000 05 620 |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |          |     |      |            |             |            |             |                |          |      |      |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |  |  |
|          | <b>Ersatzteile für Pumpenaggregat Typ KFT u. DKC</b>   |  |                         |             |            |             |                |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |          |     |      |            |             |            |             |                |          |      |      |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |  |  |
| 1.610    | <b>Heizpatrone</b><br>KFT 5-42 100 W<br>KFT 55 220 W<br>DKC-200-5000 220 W<br>DKC-6000 2 x 220 W   | 574 500 00 402<br>574 500 00 412<br>574 500 00 422<br>574 500 00 432 |                         |             |            |             |                |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |          |     |      |            |             |            |             |                |          |      |      |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |  |  |
| 1.611    | <b>Dichtungsset Heizöl EL</b><br>KFT-5-20 / DKC-200-2400<br>KFT-32/42 / DKC-3300-5000<br>KFT-55 / DKC-6000   | 574 000 00 672<br>574 000 00 682<br>574 000 00 692                   |                         |             |            |             |                |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |          |     |      |            |             |            |             |                |          |      |      |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |  |  |
| 1.612    | <b>Dichtungsset Heizöl S</b><br>KFT-5-20 / DKC-200-2400<br>KFT-32/42 / DKC-3300-5000<br>KFT-55 / DKC-6000  | 574 500 00 082<br>574 500 00 092<br>574 500 00 102                   |                         |             |            |             |                |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |          |     |      |            |             |            |             |                |          |      |      |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |  |  |
| 1.613    | <b>Schmutzfänger für Heizöl EL</b><br>DKC-200-5000<br>DKC-6000   | 574 000 00 702<br>574 000 00 772                                     |                         |             |            |             |                |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |          |     |      |            |             |            |             |                |          |      |      |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |  |  |
| 1.614    | <b>Schmutzfänger für Heizöl S</b><br>DKC-200-5000<br>DKC-6000  | 574 500 00 112<br>574 500 00 192                                     |                         |             |            |             |                |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |         |     |      |            |             |            |             |                |          |     |      |            |             |            |             |                |          |      |      |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |          |      |     |            |             |            |             |                |  |  |

| No.      | Designation  |         |                        |                        |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
|----------|--|---------|------------------------|------------------------|------------------------|------------------------|---------|-----|------|------------------------|------------------------|---------|-----|------|------------------------|------------------------|---------|-----|------|------------------------|------------------------|----------|-----|------|------------------------|------------------------|----------|------|------|------------------------|------------------------|----------|------|-----|------------------------|------------------------|----------|------|-----|------------------------|------------------------|----------|------|-----|------------------------|------------------------|
| 1.609    | <p><b>Double pump station type DKC for single pipe operation</b> consisting of:<br/>2 spindle screw pumps with bearing sleeve seal and overflow valve<br/>Compact station block with pressure retention valve 0.5-1.5bar<br/>strainer mesh aperture 0.25 mm, vacuum gauge and pressure gauge<br/>voltage 230/400V,50HZ<br/>Welded counter flanges suction and pressure side, mounted complete on oil pan</p> <p><b>For fuel oil EL, max. 5,5 bar, 50 Hz, heating 220 Watt</b></p> <table border="0"> <tr><td>DKC-450</td><td>168</td><td>0,18</td><td>SAE 1 1/2" Ø48,3 x 3,2</td><td>SAE 1 1/2" Ø48,3 x 3,2</td></tr> <tr><td>DKC-450</td><td>312</td><td>0,25</td><td>SAE 1 1/2" Ø48,3 x 3,2</td><td>SAE 1 1/2" Ø48,3 x 3,2</td></tr> <tr><td>DKC-500</td><td>396</td><td>0,25</td><td>SAE 1 1/2" Ø48,3 x 3,2</td><td>SAE 1 1/2" Ø48,3 x 3,2</td></tr> <tr><td>DKC-600</td><td>486</td><td>0,37</td><td>SAE 1 1/2" Ø48,3 x 3,2</td><td>SAE 1 1/2" Ø48,3 x 3,2</td></tr> <tr><td>DKC-1100</td><td>858</td><td>0,37</td><td>SAE 1 1/2" Ø48,3 x 3,2</td><td>SAE 1 1/2" Ø48,3 x 3,2</td></tr> <tr><td>DKC-1200</td><td>1020</td><td>0,37</td><td>SAE 1 1/2" Ø48,3 x 3,2</td><td>SAE 1 1/2" Ø48,3 x 3,2</td></tr> <tr><td>DKC-1800</td><td>1584</td><td>1,1</td><td>SAE 1 1/2" Ø48,3 x 3,2</td><td>SAE 1 1/2" Ø48,3 x 3,2</td></tr> <tr><td>DKC-2400</td><td>2082</td><td>1,1</td><td>SAE 1 1/2" Ø48,3 x 3,2</td><td>SAE 1 1/2" Ø48,3 x 3,2</td></tr> <tr><td>DKC-3300</td><td>3288</td><td>1,5</td><td>SAE 1 1/2" Ø48,3 x 3,2</td><td>SAE 1 1/2" Ø48,3 x 3,2</td></tr> </table> <p><b>Replacement parts for pump station type KFT + DKC</b></p> | DKC-450 | 168                    | 0,18                   | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 | DKC-450 | 312 | 0,25 | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 | DKC-500 | 396 | 0,25 | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 | DKC-600 | 486 | 0,37 | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 | DKC-1100 | 858 | 0,37 | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 | DKC-1200 | 1020 | 0,37 | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 | DKC-1800 | 1584 | 1,1 | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 | DKC-2400 | 2082 | 1,1 | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 | DKC-3300 | 3288 | 1,5 | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 |
| DKC-450  | 168  | 0,18    | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| DKC-450  | 312  | 0,25    | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| DKC-500  | 396  | 0,25    | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| DKC-600  | 486  | 0,37    | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| DKC-1100 | 858  | 0,37    | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| DKC-1200 | 1020   | 0,37    | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| DKC-1800 | 1584   | 1,1     | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| DKC-2400 | 2082   | 1,1     | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| DKC-3300 | 3288   | 1,5     | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| 1.610    | <p><b>Heating cartridge</b><br/>KFT 5-42 100 W<br/>KFT 55 220 W<br/>DKC-200-5000 220 W<br/>DKC-6000 2 x 220 W</p>  |         |                        |                        |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| 1.611    | <p><b>Gasket set for fuel oil EL</b><br/>KFT-5-20 / DKC-200-2400<br/>KFT-32/42 / DKC-3300-5000<br/>KFT-55 /DKC-6000</p>  |         |                        |                        |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| 1.612    | <p><b>Gasket set for fuel oil S</b><br/>KFT-5-20 / DKC-200-2400<br/>KFT-32/42 / DKC-3300-5000<br/>KFT-55 / DKC-6000</p>  |         |                        |                        |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| 1.613    | <p><b>Filter for fuel oil EL</b><br/>DKC-200-5000<br/>DKC-6000</p>   |         |                        |                        |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| 1.614    | <p><b>Filter for fuel oil S</b><br/>DKC-200-5000<br/>DKC-6000</p>  |         |                        |                        |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |

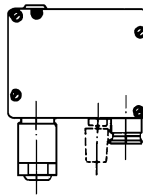
| No.      | Dénomination   |         |                        |                        |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
|----------|--|---------|------------------------|------------------------|------------------------|------------------------|---------|-----|------|------------------------|------------------------|---------|-----|------|------------------------|------------------------|---------|-----|------|------------------------|------------------------|----------|-----|------|------------------------|------------------------|----------|------|------|------------------------|------------------------|----------|------|-----|------------------------|------------------------|----------|------|-----|------------------------|------------------------|----------|------|-----|------------------------|------------------------|
| 1.609    | <p><b>Station de pompage double type DKC pour fonctionnement mono-tube</b> composée de :<br/>2 pompes à vis avec joint et soupape différentielle<br/>station compacte avec vanne de pression 0,5-1,5bar<br/>filtre écartement de mailles 0,25 mm, mano/vacuomètre<br/>tension 230/400V,50HZ<br/>contre-bridés à souder sur l'alimentation et le refoulement, complet pour montage sur cuve fioul</p> <p><b>Pour FOD, max. 5,5 bar, 50 Hz, Heizung 220 Watt</b></p> <table border="0"> <tr><td>DKC-450</td><td>168</td><td>0,18</td><td>SAE 1 1/2" Ø48,3 x 3,2</td><td>SAE 1 1/2" Ø48,3 x 3,2</td></tr> <tr><td>DKC-450</td><td>312</td><td>0,25</td><td>SAE 1 1/2" Ø48,3 x 3,2</td><td>SAE 1 1/2" Ø48,3 x 3,2</td></tr> <tr><td>DKC-500</td><td>396</td><td>0,25</td><td>SAE 1 1/2" Ø48,3 x 3,2</td><td>SAE 1 1/2" Ø48,3 x 3,2</td></tr> <tr><td>DKC-600</td><td>486</td><td>0,37</td><td>SAE 1 1/2" Ø48,3 x 3,2</td><td>SAE 1 1/2" Ø48,3 x 3,2</td></tr> <tr><td>DKC-1100</td><td>858</td><td>0,37</td><td>SAE 1 1/2" Ø48,3 x 3,2</td><td>SAE 1 1/2" Ø48,3 x 3,2</td></tr> <tr><td>DKC-1200</td><td>1020</td><td>0,37</td><td>SAE 1 1/2" Ø48,3 x 3,2</td><td>SAE 1 1/2" Ø48,3 x 3,2</td></tr> <tr><td>DKC-1800</td><td>1584</td><td>1,1</td><td>SAE 1 1/2" Ø48,3 x 3,2</td><td>SAE 1 1/2" Ø48,3 x 3,2</td></tr> <tr><td>DKC-2400</td><td>2082</td><td>1,1</td><td>SAE 1 1/2" Ø48,3 x 3,2</td><td>SAE 1 1/2" Ø48,3 x 3,2</td></tr> <tr><td>DKC-3300</td><td>3288</td><td>1,5</td><td>SAE 1 1/2" Ø48,3 x 3,2</td><td>SAE 1 1/2" Ø48,3 x 3,2</td></tr> </table> <p><b>Pièces détachées pour groupe pompe type KFT et DKC</b></p> | DKC-450 | 168                    | 0,18                   | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 | DKC-450 | 312 | 0,25 | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 | DKC-500 | 396 | 0,25 | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 | DKC-600 | 486 | 0,37 | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 | DKC-1100 | 858 | 0,37 | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 | DKC-1200 | 1020 | 0,37 | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 | DKC-1800 | 1584 | 1,1 | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 | DKC-2400 | 2082 | 1,1 | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 | DKC-3300 | 3288 | 1,5 | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 |
| DKC-450  | 168  | 0,18    | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| DKC-450  | 312  | 0,25    | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| DKC-500  | 396  | 0,25    | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| DKC-600  | 486  | 0,37    | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| DKC-1100 | 858  | 0,37    | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| DKC-1200 | 1020   | 0,37    | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| DKC-1800 | 1584   | 1,1     | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| DKC-2400 | 2082   | 1,1     | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| DKC-3300 | 3288   | 1,5     | SAE 1 1/2" Ø48,3 x 3,2 | SAE 1 1/2" Ø48,3 x 3,2 |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| 1.610    | <p><b>Cartouche chauffante</b><br/>KFT 5-42 100 W<br/>KFT 55 220 W<br/>DKC-200-5000 220 W<br/>DKC-6000 2 x 220 W</p>   |         |                        |                        |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| 1.611    | <p><b>Ensemble de joints pour fioul domestique</b><br/>KFT-5-20 / DKC-200-2400<br/>KFT-32/42 / DKC-3300-5000<br/>KFT-55 /DKC-6000</p>  |         |                        |                        |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| 1.612    | <p><b>Ensemble de joints pour fioul lourd</b><br/>KFT-5-20 / DKC-200-2400<br/>KFT-32/42 / DKC-3300-5000<br/>KFT-55 / DKC-6000</p>  |         |                        |                        |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| 1.613    | <p><b>Filtre pour fioul domestique</b><br/>DKC-200-5000<br/>DKC-6000</p>   |         |                        |                        |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |
| 1.614    | <p><b>Filtre pour fioul lourd</b><br/>DKC-200-5000<br/>DKC-6000</p>  |         |                        |                        |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |         |     |      |                        |                        |          |     |      |                        |                        |          |      |      |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |          |      |     |                        |                        |



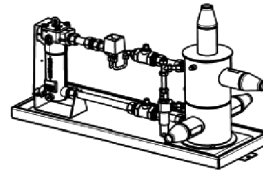
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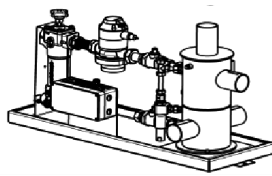


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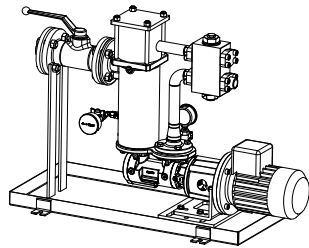
| Nr.   | Bezeichnung  | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |                |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
|---|--|--|-------------------------|----------------|-------------|---------------|----------------|----------------------|-------------|---------------|----------------|----------------|----------------------|-----------------|-------------|----------------|----------------|----------------------|-----------------------|-------------|----------------|--|----------------------|------------|---------------|----------------|-----------------|----------------------|------------------|---------------|----------------|-----------------|----------------------|--|---------------|----------------|-----------------|----------------------|--------|---------------|----------------|-----------------|----------------------|------------------|---------------|----------------|-----------------|----------------------|--------------------|---------------|----------------|---------|--------|-----|-------------|----------|-----------------|-------------------------|--------|---------------|----------------|-----------------|-------------------------|------------------|---------------|----------------|-----------------|-------------------------|---------------------|---------------|----------------|-----------------|-------------------------|--------|---------------|----------------|-----------------|-------------------------|------------------|---------------|----------------|-----------------|-------------------------|--------------------|---------------|----------------|--|--|
| <b>Druckregelventile</b>  |  |  |                         |                |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| Druckregelventil, Druckstufe 2<br>zur Konstanthaltung des Druckes in Ölleitungen<br><b>Folgender Druckbereich ist viskositätsabhängig einstellbar</b><br>EL-Öl, Viskosität 5 cSt. 1 - 6 bar<br>S-Öl, Viskosität 152 cSt. 2 - 6 bar<br>S-Öl, Viskosität 380 cSt. 2,8 - 6 bar |  |  |                         |                |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| 1.615   | <table border="1"> <thead> <tr> <th>Typ</th> <th colspan="2">Durchflussmenge l/h</th> <th>Anschluss</th> </tr> <tr> <td></td> <th>EL min.-max.</th> <th>S min.-max.</th> <td></td> </tr> </thead> <tbody> <tr> <td><b>B-PP</b></td> <td>15 - 120</td> <td>15 - 120</td> <td>G 1/4</td> </tr> <tr> <td><b>B-P</b></td> <td>24 - 300</td> <td>24 - 270</td> <td>G 3/8</td> </tr> <tr> <td><b>B-G</b></td> <td>90 - 600</td> <td>90 - 580</td> <td>G 1/2</td> </tr> <tr> <td><b>B-GH-E/2</b></td> <td>300 - 2000</td> <td>300 - 1700</td> <td>G 3/4</td> </tr> <tr> <td><b>B-GHG</b></td> <td>900 - 5800</td> <td>900 - 4800</td> <td>G 1</td> </tr> <tr> <td><b>B-GHG</b></td> <td>1500 - 8800</td> <td>1500 - 8800</td> <td>G 1 1/4</td> </tr> </tbody> </table>  | Typ  | Durchflussmenge l/h     |                | Anschluss   |               | EL min.-max.   | S min.-max.          |             | <b>B-PP</b>   | 15 - 120       | 15 - 120       | G 1/4                | <b>B-P</b>      | 24 - 300    | 24 - 270       | G 3/8          | <b>B-G</b>           | 90 - 600              | 90 - 580    | G 1/2          | <b>B-GH-E/2</b>                          | 300 - 2000           | 300 - 1700 | G 3/4         | <b>B-GHG</b>   | 900 - 5800      | 900 - 4800           | G 1              | <b>B-GHG</b>  | 1500 - 8800    | 1500 - 8800     | G 1 1/4              | 605 067<br>605 068<br>605 069<br>605 070<br>605 071<br>605 072 |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| Typ   | Durchflussmenge l/h  |  | Anschluss               |                |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
|   | EL min.-max.   | S min.-max.                                |                         |                |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| <b>B-PP</b>   | 15 - 120   | 15 - 120                                   | G 1/4                   |                |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| <b>B-P</b>  | 24 - 300   | 24 - 270                                   | G 3/8                   |                |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| <b>B-G</b>  | 90 - 600   | 90 - 580                                   | G 1/2                   |                |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| <b>B-GH-E/2</b>   | 300 - 2000   | 300 - 1700                                 | G 3/4                   |                |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| <b>B-GHG</b>  | 900 - 5800   | 900 - 4800                                 | G 1                     |                |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| <b>B-GHG</b>  | 1500 - 8800  | 1500 - 8800                                | G 1 1/4                 |                |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| Druckregelventil mit Flanschanschluss auch für Anlagen nach TRD, inkl. Gegenflansche  |  |  |                         |                |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| 1.616   | <table border="1"> <thead> <tr> <th>FDR</th> <th>90 - 600</th> <th>90 - 580</th> <th>DN15 / PN40</th> </tr> </thead> <tbody> <tr> <td><b>FDR 15</b></td> <td>90 - 600</td> <td>90 - 580</td> <td>DN15 / PN40</td> </tr> <tr> <td><b>FDR 20</b></td> <td>300 - 2000</td> <td>300 - 1700</td> <td>DN20 / PN40</td> </tr> <tr> <td><b>FDR 25</b></td> <td>900 - 5800</td> <td>900 - 4800</td> <td>DN25 / PN40</td> </tr> <tr> <td><b>FDR 32/E-2</b></td> <td>1500 - 8800</td> <td>1500 - 8800</td> <td>DN32/ PN40</td> </tr> </tbody> </table>  | FDR  | 90 - 600                | 90 - 580       | DN15 / PN40 | <b>FDR 15</b> | 90 - 600       | 90 - 580             | DN15 / PN40 | <b>FDR 20</b> | 300 - 2000     | 300 - 1700     | DN20 / PN40          | <b>FDR 25</b>   | 900 - 5800  | 900 - 4800     | DN25 / PN40    | <b>FDR 32/E-2</b>    | 1500 - 8800           | 1500 - 8800 | DN32/ PN40     | 605 077<br>605 078<br>605 079<br>605 080 |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| FDR   | 90 - 600   | 90 - 580                                   | DN15 / PN40             |                |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| <b>FDR 15</b>   | 90 - 600   | 90 - 580                                   | DN15 / PN40             |                |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| <b>FDR 20</b>   | 300 - 2000   | 300 - 1700                                 | DN20 / PN40             |                |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| <b>FDR 25</b>   | 900 - 5800   | 900 - 4800                                 | DN25 / PN40             |                |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| <b>FDR 32/E-2</b>   | 1500 - 8800  | 1500 - 8800                                | DN32/ PN40              |                |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| 1.617   | <p><b>Druckwächter</b> für Öl, Druckbereich 0-6 bar</p> <p><b>DSB 143</b> ohne Anschlusssteile und Manometer</p>   | 640 105                                    |                         |                |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| <b>Ölzirkulationsgeräte</b> f. Heizöl EL und S, mit Filter, Sicherheitsventil und Ölzähleinrichtung<br>Rohranschluss serienmäßig,<br>Flanschanschluß, Begleitheizung bei Heizöl S → siehe Optionen 1.620  |  |  |                         |                |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| 1.618   | <p><b>Ölzirkulationsgerät</b> Typ W-OC-EL für Heizöl EL mit Siebsterfilter</p> <table border="1"> <thead> <tr> <th>Bezeichnung</th> <th>Filter</th> <th>Ölzähler</th> <th>Öldurchsatz</th> <th>Spannung</th> </tr> </thead> <tbody> <tr> <td>W-OC-EL 180 SF</td> <td>Siebsterfilter 100µm</td> <td>VZO 8</td> <td>4 - 180 L/h</td> <td>109 000 08 012</td> </tr> <tr> <td>W-OC-EL 180 SF</td> <td>Siebsterfilter 100µm</td> <td>VZO 8 RE 1 (NF)</td> <td>4 - 180 L/h</td> <td>109 000 08 022</td> </tr> <tr> <td>W-OC-EL 180 SF</td> <td>Siebsterfilter 100µm</td> <td>VZO 8 RE 0,00311 (HF)</td> <td>4 - 180 L/h</td> <td>109 000 08 032</td> </tr> <tr> <td>W-OC-EL 1000 SF</td> <td>Siebsterfilter 100µm</td> <td>VZO 20</td> <td>30 - 1000 L/h</td> <td>109 000 09 102</td> </tr> <tr> <td>W-OC-EL 1000 SF</td> <td>Siebsterfilter 100µm</td> <td>VZO 20 RV 1 (NF)</td> <td>30 - 1000 L/h</td> <td>109 000 09 112</td> </tr> <tr> <td>W-OC-EL 1000 SF</td> <td>Siebsterfilter 100µm</td> <td>VZO 20 IN 0,01 (HF)</td> <td>30 - 1000 L/h</td> <td>109 000 09 122</td> </tr> <tr> <td>W-OC-EL 1500 SF</td> <td>Siebsterfilter 100µm</td> <td>VZO 25</td> <td>75 - 1500 L/h</td> <td>109 000 10 102</td> </tr> <tr> <td>W-OC-EL 1500 SF</td> <td>Siebsterfilter 100µm</td> <td>VZO 25 RV 1 (NF)</td> <td>75 - 1500 L/h</td> <td>109 000 10 112</td> </tr> <tr> <td>W-OC-EL 1500 SF</td> <td>Siebsterfilter 100µm</td> <td>VZO 25 IN 0,1 (HF)</td> <td>75 - 1500 L/h</td> <td>109 000 10 122</td> </tr> </tbody> </table> <p><b>Ölzirkulationsgerät</b> Typ W-OC-EL für Heizöl EL mit Kantenspaltfilter und Magnetabscheider am Filtereinsatz</p> <table border="1"> <thead> <tr> <th>W-OC-EL</th> <th>Filter</th> <th>VZO</th> <th>Öldurchsatz</th> <th>Spannung</th> </tr> </thead> <tbody> <tr> <td>W-OC-EL 1000 EF</td> <td>Kantenspaltfilter 100µm</td> <td>VZO 20</td> <td>30 - 1000 L/h</td> <td>109 000 09 012</td> </tr> <tr> <td>W-OC-EL 1000 EF</td> <td>Kantenspaltfilter 100µm</td> <td>VZO 20 RV 1 (NF)</td> <td>30 - 1000 L/h</td> <td>109 000 09 022</td> </tr> <tr> <td>W-OC-EL 1000 EF</td> <td>Kantenspaltfilter 100µm</td> <td>VZO 20 IN 0,01 (HF)</td> <td>30 - 1000 L/h</td> <td>109 000 09 032</td> </tr> <tr> <td>W-OC-EL 2000 EF</td> <td>Kantenspaltfilter 100µm</td> <td>VZO 25</td> <td>75 - 2000 L/h</td> <td>109 000 10 012</td> </tr> <tr> <td>W-OC-EL 2000 EF</td> <td>Kantenspaltfilter 100µm</td> <td>VZO 25 RV 1 (NF)</td> <td>75 - 2000 L/h</td> <td>109 000 10 022</td> </tr> <tr> <td>W-OC-EL 2000 EF</td> <td>Kantenspaltfilter 100µm</td> <td>VZO 25 IN 0,1 (HF)</td> <td>75 - 2000 L/h</td> <td>109 000 10 032</td> </tr> </tbody> </table> | Bezeichnung                                | Filter                  | Ölzähler       | Öldurchsatz | Spannung      | W-OC-EL 180 SF | Siebsterfilter 100µm | VZO 8       | 4 - 180 L/h   | 109 000 08 012 | W-OC-EL 180 SF | Siebsterfilter 100µm | VZO 8 RE 1 (NF) | 4 - 180 L/h | 109 000 08 022 | W-OC-EL 180 SF | Siebsterfilter 100µm | VZO 8 RE 0,00311 (HF) | 4 - 180 L/h | 109 000 08 032 | W-OC-EL 1000 SF                          | Siebsterfilter 100µm | VZO 20     | 30 - 1000 L/h | 109 000 09 102 | W-OC-EL 1000 SF | Siebsterfilter 100µm | VZO 20 RV 1 (NF) | 30 - 1000 L/h | 109 000 09 112 | W-OC-EL 1000 SF | Siebsterfilter 100µm | VZO 20 IN 0,01 (HF)  | 30 - 1000 L/h | 109 000 09 122 | W-OC-EL 1500 SF | Siebsterfilter 100µm | VZO 25 | 75 - 1500 L/h | 109 000 10 102 | W-OC-EL 1500 SF | Siebsterfilter 100µm | VZO 25 RV 1 (NF) | 75 - 1500 L/h | 109 000 10 112 | W-OC-EL 1500 SF | Siebsterfilter 100µm | VZO 25 IN 0,1 (HF) | 75 - 1500 L/h | 109 000 10 122 | W-OC-EL | Filter | VZO | Öldurchsatz | Spannung | W-OC-EL 1000 EF | Kantenspaltfilter 100µm | VZO 20 | 30 - 1000 L/h | 109 000 09 012 | W-OC-EL 1000 EF | Kantenspaltfilter 100µm | VZO 20 RV 1 (NF) | 30 - 1000 L/h | 109 000 09 022 | W-OC-EL 1000 EF | Kantenspaltfilter 100µm | VZO 20 IN 0,01 (HF) | 30 - 1000 L/h | 109 000 09 032 | W-OC-EL 2000 EF | Kantenspaltfilter 100µm | VZO 25 | 75 - 2000 L/h | 109 000 10 012 | W-OC-EL 2000 EF | Kantenspaltfilter 100µm | VZO 25 RV 1 (NF) | 75 - 2000 L/h | 109 000 10 022 | W-OC-EL 2000 EF | Kantenspaltfilter 100µm | VZO 25 IN 0,1 (HF) | 75 - 2000 L/h | 109 000 10 032 |  |  |
| Bezeichnung   | Filter   | Ölzähler                                   | Öldurchsatz             | Spannung       |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| W-OC-EL 180 SF  | Siebsterfilter 100µm   | VZO 8                                      | 4 - 180 L/h             | 109 000 08 012 |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| W-OC-EL 180 SF  | Siebsterfilter 100µm   | VZO 8 RE 1 (NF)                            | 4 - 180 L/h             | 109 000 08 022 |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| W-OC-EL 180 SF  | Siebsterfilter 100µm   | VZO 8 RE 0,00311 (HF)                      | 4 - 180 L/h             | 109 000 08 032 |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| W-OC-EL 1000 SF   | Siebsterfilter 100µm   | VZO 20                                     | 30 - 1000 L/h           | 109 000 09 102 |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| W-OC-EL 1000 SF   | Siebsterfilter 100µm   | VZO 20 RV 1 (NF)                           | 30 - 1000 L/h           | 109 000 09 112 |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| W-OC-EL 1000 SF   | Siebsterfilter 100µm   | VZO 20 IN 0,01 (HF)                        | 30 - 1000 L/h           | 109 000 09 122 |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| W-OC-EL 1500 SF   | Siebsterfilter 100µm   | VZO 25                                     | 75 - 1500 L/h           | 109 000 10 102 |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| W-OC-EL 1500 SF   | Siebsterfilter 100µm   | VZO 25 RV 1 (NF)                           | 75 - 1500 L/h           | 109 000 10 112 |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| W-OC-EL 1500 SF   | Siebsterfilter 100µm   | VZO 25 IN 0,1 (HF)                         | 75 - 1500 L/h           | 109 000 10 122 |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| W-OC-EL   | Filter   | VZO  | Öldurchsatz             | Spannung       |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| W-OC-EL 1000 EF   | Kantenspaltfilter 100µm  | VZO 20                                     | 30 - 1000 L/h           | 109 000 09 012 |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| W-OC-EL 1000 EF   | Kantenspaltfilter 100µm  | VZO 20 RV 1 (NF)                           | 30 - 1000 L/h           | 109 000 09 022 |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| W-OC-EL 1000 EF   | Kantenspaltfilter 100µm  | VZO 20 IN 0,01 (HF)                        | 30 - 1000 L/h           | 109 000 09 032 |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| W-OC-EL 2000 EF   | Kantenspaltfilter 100µm  | VZO 25                                     | 75 - 2000 L/h           | 109 000 10 012 |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| W-OC-EL 2000 EF   | Kantenspaltfilter 100µm  | VZO 25 RV 1 (NF)                           | 75 - 2000 L/h           | 109 000 10 022 |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |
| W-OC-EL 2000 EF   | Kantenspaltfilter 100µm  | VZO 25 IN 0,1 (HF)                         | 75 - 2000 L/h           | 109 000 10 032 |             |               |                |                      |             |               |                |                |                      |                 |             |                |                |                      |                       |             |                |  |                      |            |               |                |                 |                      |                  |               |                |                 |                      |  |               |                |                 |                      |        |               |                |                 |                      |                  |               |                |                 |                      |                    |               |                |         |        |     |             |          |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                     |               |                |                 |                         |        |               |                |                 |                         |                  |               |                |                 |                         |                    |               |                |  |  |

| No.               | Designation  |                       |                      |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
|-------------------|--|-----------------------|----------------------|-----------|----------------|----------------|----------------|---------------|-------------|----------------|----------------|-----------------|-------------|----------------|----------------|-----------------------|---------------|-----------------|----------------|----------|---------------|-------------------|----------------|------------------|---------------|-----------------|----------------|---------------------|---------------|-----------------|----------------|-------------|---------------|-----------------|----------------|------------------|---------------|-----------------|----------------|--------------------|---------------|-------------|--------|-----------|----------------|-----------------|-------------------------|--------|---------------|-----------------|-------------------------|------------------|---------------|-----------------|-------------------------|---------------------|---------------|-----------------|-------------------------|--------|---------------|-----------------|-------------------------|------------------|---------------|-----------------|-------------------------|--------------------|---------------|
|                   | <b>Pressure regulating valve</b>   |                       |                      |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
|                   | <b>Pressure regulating valve</b> , pressure stage 2<br>to keep the pressure in the oil lines stable<br>pressure range: (in reference to the max. quantity of flow)<br>Light oil "EL", viscosity 5 cSt. 1 - 6 bar<br>Heavy oil "S", viscosity 152 cSt. 2 - 6 bar<br>Heavy oil "S", viscosity 380 cSt. 2.8 - 6 bar   |                       |                      |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| 1.615             | <table border="1"> <thead> <tr> <th>Type</th> <th colspan="2">Quantity of flow l/h</th> <th>Connection</th> </tr> <tr> <td></td> <th>EL min. - max.</th> <th>S min. - max.</th> <td></td> </tr> </thead> <tbody> <tr> <td><b>B-PP</b></td> <td>15 - 120</td> <td>15 - 120</td> <td>G 1/4</td> </tr> <tr> <td><b>B-P</b></td> <td>24 - 300</td> <td>24 - 270</td> <td>G 3/8</td> </tr> <tr> <td><b>B-G</b></td> <td>90 - 600</td> <td>90 - 580</td> <td>G 1/2</td> </tr> <tr> <td><b>B-GH-E/2</b></td> <td>300 - 2000</td> <td>300 - 1700</td> <td>G 3/4</td> </tr> <tr> <td><b>B-GHG</b></td> <td>900 - 5800</td> <td>900 - 4800</td> <td>G 1</td> </tr> <tr> <td><b>B-GHG</b></td> <td>1500 - 8800</td> <td>1500 - 8800</td> <td>G 1 1/4</td> </tr> </tbody> </table> <p>Pressure regulating valve w. flange connection also for plant to TRD, incl. counter flanges</p>  | Type                  | Quantity of flow l/h |           | Connection     |                | EL min. - max. | S min. - max. |             | <b>B-PP</b>    | 15 - 120       | 15 - 120        | G 1/4       | <b>B-P</b>     | 24 - 300       | 24 - 270              | G 3/8         | <b>B-G</b>      | 90 - 600       | 90 - 580 | G 1/2         | <b>B-GH-E/2</b>   | 300 - 2000     | 300 - 1700       | G 3/4         | <b>B-GHG</b>    | 900 - 5800     | 900 - 4800          | G 1           | <b>B-GHG</b>    | 1500 - 8800    | 1500 - 8800 | G 1 1/4       |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| Type              | Quantity of flow l/h   |                       | Connection           |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
|                   | EL min. - max.   | S min. - max.         |                      |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| <b>B-PP</b>       | 15 - 120   | 15 - 120              | G 1/4                |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| <b>B-P</b>        | 24 - 300   | 24 - 270              | G 3/8                |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| <b>B-G</b>        | 90 - 600   | 90 - 580              | G 1/2                |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| <b>B-GH-E/2</b>   | 300 - 2000   | 300 - 1700            | G 3/4                |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| <b>B-GHG</b>      | 900 - 5800   | 900 - 4800            | G 1                  |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| <b>B-GHG</b>      | 1500 - 8800  | 1500 - 8800           | G 1 1/4              |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| 1.616             | <table border="1"> <thead> <tr> <th>FDR</th> <th>90 - 600</th> <th>90 - 580</th> <th>15</th> <th>40</th> </tr> </thead> <tbody> <tr> <td><b>FDR 15</b></td> <td>90 - 600</td> <td>90 - 580</td> <td>15</td> <td>40</td> </tr> <tr> <td><b>FDR 20</b></td> <td>300 - 2000</td> <td>300 - 1700</td> <td>20</td> <td>40</td> </tr> <tr> <td><b>FDR 25</b></td> <td>900 - 5800</td> <td>900 - 4800</td> <td>25</td> <td>40</td> </tr> <tr> <td><b>FDR 32/E-2</b></td> <td>1500 - 8800</td> <td>1500 - 8800</td> <td>32</td> <td>40</td> </tr> </tbody> </table>  | FDR                   | 90 - 600             | 90 - 580  | 15             | 40             | <b>FDR 15</b>  | 90 - 600      | 90 - 580    | 15             | 40             | <b>FDR 20</b>   | 300 - 2000  | 300 - 1700     | 20             | 40                    | <b>FDR 25</b> | 900 - 5800      | 900 - 4800     | 25       | 40            | <b>FDR 32/E-2</b> | 1500 - 8800    | 1500 - 8800      | 32            | 40              |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| FDR               | 90 - 600   | 90 - 580              | 15                   | 40        |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| <b>FDR 15</b>     | 90 - 600   | 90 - 580              | 15                   | 40        |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| <b>FDR 20</b>     | 300 - 2000   | 300 - 1700            | 20                   | 40        |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| <b>FDR 25</b>     | 900 - 5800   | 900 - 4800            | 25                   | 40        |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| <b>FDR 32/E-2</b> | 1500 - 8800  | 1500 - 8800           | 32                   | 40        |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| 1.617             | <b>Pressure switch</b> for oil, pressure range 0-6 bar<br><b>DSB 143</b> 0 - 6 bar without connections and pressure gauge<br><b>Oil circulation devices</b> f. fuel oil EL and S, with filter, safety valve and oil meter, standard pipe connection, flange connection, trace heating for fuel oil S → see option 1.620  |                       |                      |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| 1.618             | <b>Oil circulation device</b> type W-OC-EL for fuel oil EL with strainer<br><table border="1"> <thead> <tr> <th>Description</th> <th>Filter</th> <th>Oil meter</th> <th>Oil throughput</th> </tr> </thead> <tbody> <tr> <td>W-OC-EL 180 SF</td> <td>strainer 100µm</td> <td>VZO 8</td> <td>4 - 180 L/h</td> </tr> <tr> <td>W-OC-EL 180 SF</td> <td>strainer 100µm</td> <td>VZO 8 RE 1 (NF)</td> <td>4 - 180 L/h</td> </tr> <tr> <td>W-OC-EL 180 SF</td> <td>strainer 100µm</td> <td>VZO 8 RE 0,00311 (HF)</td> <td>4 - 180 L/h</td> </tr> <tr> <td>W-OC-EL 1000 SF</td> <td>strainer 100µm</td> <td>VZO 20</td> <td>30 - 1000 L/h</td> </tr> <tr> <td>W-OC-EL 1000 SF</td> <td>strainer 100µm</td> <td>VZO 20 RV 1 (NF)</td> <td>30 - 1000 L/h</td> </tr> <tr> <td>W-OC-EL 1000 SF</td> <td>strainer 100µm</td> <td>VZO 20 IN 0,01 (HF)</td> <td>30 - 1000 L/h</td> </tr> <tr> <td>W-OC-EL 1500 SF</td> <td>strainer 100µm</td> <td>VZO 25</td> <td>75 - 1500 L/h</td> </tr> <tr> <td>W-OC-EL 1500 SF</td> <td>strainer 100µm</td> <td>VZO 25 RV 1 (NF)</td> <td>75 - 1500 L/h</td> </tr> <tr> <td>W-OC-EL 1500 SF</td> <td>strainer 100µm</td> <td>VZO 25 IN 0,1 (HF)</td> <td>75 - 1500 L/h</td> </tr> </tbody> </table><br><b>Oil circulation device</b> type W-OC-EL for fuel oil EL with edge plate filter and magnetic separator on filter insert<br><table border="1"> <thead> <tr> <th>Description</th> <th>Filter</th> <th>Oil meter</th> <th>Oil throughput</th> </tr> </thead> <tbody> <tr> <td>W-OC-EL 1000 EF</td> <td>edge plate filter 100µm</td> <td>VZO 20</td> <td>30 - 1000 L/h</td> </tr> <tr> <td>W-OC-EL 1000 EF</td> <td>edge plate filter 100µm</td> <td>VZO 20 RV 1 (NF)</td> <td>30 - 1000 L/h</td> </tr> <tr> <td>W-OC-EL 1000 EF</td> <td>edge plate filter 100µm</td> <td>VZO 20 IN 0,01 (HF)</td> <td>30 - 1000 L/h</td> </tr> <tr> <td>W-OC-EL 2000 EF</td> <td>edge plate filter 100µm</td> <td>VZO 25</td> <td>75 - 2000 L/h</td> </tr> <tr> <td>W-OC-EL 2000 EF</td> <td>edge plate filter 100µm</td> <td>VZO 25 RV 1 (NF)</td> <td>75 - 2000 L/h</td> </tr> <tr> <td>W-OC-EL 2000 EF</td> <td>edge plate filter 100µm</td> <td>VZO 25 IN 0,1 (HF)</td> <td>75 - 2000 L/h</td> </tr> </tbody> </table> | Description           | Filter               | Oil meter | Oil throughput | W-OC-EL 180 SF | strainer 100µm | VZO 8         | 4 - 180 L/h | W-OC-EL 180 SF | strainer 100µm | VZO 8 RE 1 (NF) | 4 - 180 L/h | W-OC-EL 180 SF | strainer 100µm | VZO 8 RE 0,00311 (HF) | 4 - 180 L/h   | W-OC-EL 1000 SF | strainer 100µm | VZO 20   | 30 - 1000 L/h | W-OC-EL 1000 SF   | strainer 100µm | VZO 20 RV 1 (NF) | 30 - 1000 L/h | W-OC-EL 1000 SF | strainer 100µm | VZO 20 IN 0,01 (HF) | 30 - 1000 L/h | W-OC-EL 1500 SF | strainer 100µm | VZO 25      | 75 - 1500 L/h | W-OC-EL 1500 SF | strainer 100µm | VZO 25 RV 1 (NF) | 75 - 1500 L/h | W-OC-EL 1500 SF | strainer 100µm | VZO 25 IN 0,1 (HF) | 75 - 1500 L/h | Description | Filter | Oil meter | Oil throughput | W-OC-EL 1000 EF | edge plate filter 100µm | VZO 20 | 30 - 1000 L/h | W-OC-EL 1000 EF | edge plate filter 100µm | VZO 20 RV 1 (NF) | 30 - 1000 L/h | W-OC-EL 1000 EF | edge plate filter 100µm | VZO 20 IN 0,01 (HF) | 30 - 1000 L/h | W-OC-EL 2000 EF | edge plate filter 100µm | VZO 25 | 75 - 2000 L/h | W-OC-EL 2000 EF | edge plate filter 100µm | VZO 25 RV 1 (NF) | 75 - 2000 L/h | W-OC-EL 2000 EF | edge plate filter 100µm | VZO 25 IN 0,1 (HF) | 75 - 2000 L/h |
| Description       | Filter   | Oil meter             | Oil throughput       |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| W-OC-EL 180 SF    | strainer 100µm   | VZO 8                 | 4 - 180 L/h          |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| W-OC-EL 180 SF    | strainer 100µm   | VZO 8 RE 1 (NF)       | 4 - 180 L/h          |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| W-OC-EL 180 SF    | strainer 100µm   | VZO 8 RE 0,00311 (HF) | 4 - 180 L/h          |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| W-OC-EL 1000 SF   | strainer 100µm   | VZO 20                | 30 - 1000 L/h        |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| W-OC-EL 1000 SF   | strainer 100µm   | VZO 20 RV 1 (NF)      | 30 - 1000 L/h        |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| W-OC-EL 1000 SF   | strainer 100µm   | VZO 20 IN 0,01 (HF)   | 30 - 1000 L/h        |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| W-OC-EL 1500 SF   | strainer 100µm   | VZO 25                | 75 - 1500 L/h        |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| W-OC-EL 1500 SF   | strainer 100µm   | VZO 25 RV 1 (NF)      | 75 - 1500 L/h        |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| W-OC-EL 1500 SF   | strainer 100µm   | VZO 25 IN 0,1 (HF)    | 75 - 1500 L/h        |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| Description       | Filter   | Oil meter             | Oil throughput       |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| W-OC-EL 1000 EF   | edge plate filter 100µm  | VZO 20                | 30 - 1000 L/h        |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| W-OC-EL 1000 EF   | edge plate filter 100µm  | VZO 20 RV 1 (NF)      | 30 - 1000 L/h        |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| W-OC-EL 1000 EF   | edge plate filter 100µm  | VZO 20 IN 0,01 (HF)   | 30 - 1000 L/h        |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| W-OC-EL 2000 EF   | edge plate filter 100µm  | VZO 25                | 75 - 2000 L/h        |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| W-OC-EL 2000 EF   | edge plate filter 100µm  | VZO 25 RV 1 (NF)      | 75 - 2000 L/h        |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |
| W-OC-EL 2000 EF   | edge plate filter 100µm  | VZO 25 IN 0,1 (HF)    | 75 - 2000 L/h        |           |                |                |                |               |             |                |                |                 |             |                |                |                       |               |                 |                |          |               |                   |                |                  |               |                 |                |                     |               |                 |                |             |               |                 |                |                  |               |                 |                |                    |               |             |        |           |                |                 |                         |        |               |                 |                         |                  |               |                 |                         |                     |               |                 |                         |        |               |                 |                         |                  |               |                 |                         |                    |               |

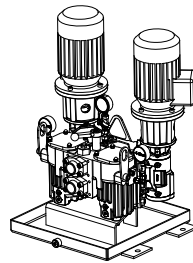
| No.               | Dénomination  |                       |               |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
|-------------------|---|-----------------------|---------------|----------------|--------------|----------------|----------------------|-----------------|-------------|----------------|----------------------|-----------------|-------------|----------------|----------------------|-----------------------|---------------|-----------------|----------------------|----------|---------------|-------------------|----------------------|------------------|---------------|-----------------|----------------------|---------------------|---------------|-----------------|----------------------|-------------|---------------|-----------------|----------------------|------------------|---------------|-----------------|----------------------|--------------------|---------------|-------------|---------|----------------|-------|-----------------|----------------------------------|--------|--------------|-----------------|----------------------------------|-----------------|--------------|-----------------|----------------------------------|--------------------|------------|-----------------|----------------------------------|--------|--------------|-----------------|----------------------------------|-----------------|--------------|-----------------|----------------------------------|-------------------|--------------|
|                   | <b>Soupape de réglage de pression</b>   |                       |               |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
|                   | <b>Soupape de réglage de pression</b> , allure 2<br>pour maintenir une pression constante dans les conduites fioul<br>Les plages de pression ci-après sont réglées en fonction de la viscosité<br>FOD, viscosité 5 cSt. 1 - 6 bar<br>FOL, viscosité 152 cSt. 2 - 6 bar<br>FOL, viscosité 380 cSt. 2.8 - 6 bar   |                       |               |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| 1.615             | <table border="1"> <thead> <tr> <th>Type</th> <th colspan="2">Débit l/h</th> <th>Raccordement</th> </tr> <tr> <td></td> <th>FOD min. - max.</th> <th>FOL min. - max.</th> <td></td> </tr> </thead> <tbody> <tr> <td><b>B-PP</b></td> <td>15 - 120</td> <td>15 - 120</td> <td>G 1/4</td> </tr> <tr> <td><b>B-P</b></td> <td>24 - 300</td> <td>24 - 270</td> <td>G 3/8</td> </tr> <tr> <td><b>B-G</b></td> <td>90 - 600</td> <td>90 - 580</td> <td>G 1/2</td> </tr> <tr> <td><b>B-GH-E/2</b></td> <td>300 - 2000</td> <td>300 - 1700</td> <td>G 3/4</td> </tr> <tr> <td><b>B-GHG</b></td> <td>900 - 5800</td> <td>900 - 4800</td> <td>G 1</td> </tr> <tr> <td><b>B-GHG</b></td> <td>1500 - 8800</td> <td>1500 - 8800</td> <td>G 1 1/4</td> </tr> </tbody> </table> <p>Vanne de pression avec raccord à brides également pour installations selon TRD, y compris contre-brides.</p>  | Type                  | Débit l/h     |                | Raccordement |                | FOD min. - max.      | FOL min. - max. |             | <b>B-PP</b>    | 15 - 120             | 15 - 120        | G 1/4       | <b>B-P</b>     | 24 - 300             | 24 - 270              | G 3/8         | <b>B-G</b>      | 90 - 600             | 90 - 580 | G 1/2         | <b>B-GH-E/2</b>   | 300 - 2000           | 300 - 1700       | G 3/4         | <b>B-GHG</b>    | 900 - 5800           | 900 - 4800          | G 1           | <b>B-GHG</b>    | 1500 - 8800          | 1500 - 8800 | G 1 1/4       |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| Type              | Débit l/h   |                       | Raccordement  |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
|                   | FOD min. - max.   | FOL min. - max.       |               |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| <b>B-PP</b>       | 15 - 120  | 15 - 120              | G 1/4         |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| <b>B-P</b>        | 24 - 300  | 24 - 270              | G 3/8         |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| <b>B-G</b>        | 90 - 600  | 90 - 580              | G 1/2         |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| <b>B-GH-E/2</b>   | 300 - 2000  | 300 - 1700            | G 3/4         |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| <b>B-GHG</b>      | 900 - 5800  | 900 - 4800            | G 1           |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| <b>B-GHG</b>      | 1500 - 8800   | 1500 - 8800           | G 1 1/4       |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| 1.616             | <table border="1"> <thead> <tr> <th>FDR</th> <th>90 - 600</th> <th>90 - 580</th> <th>15</th> <th>40</th> </tr> </thead> <tbody> <tr> <td><b>FDR 15</b></td> <td>90 - 600</td> <td>90 - 580</td> <td>15</td> <td>40</td> </tr> <tr> <td><b>FDR 20</b></td> <td>300 - 2000</td> <td>300 - 1700</td> <td>20</td> <td>40</td> </tr> <tr> <td><b>FDR 25</b></td> <td>900 - 5800</td> <td>900 - 4800</td> <td>25</td> <td>40</td> </tr> <tr> <td><b>FDR 32/E-2</b></td> <td>1500 - 8800</td> <td>1500 - 8800</td> <td>32</td> <td>40</td> </tr> </tbody> </table>   | FDR                   | 90 - 600      | 90 - 580       | 15           | 40             | <b>FDR 15</b>        | 90 - 600        | 90 - 580    | 15             | 40                   | <b>FDR 20</b>   | 300 - 2000  | 300 - 1700     | 20                   | 40                    | <b>FDR 25</b> | 900 - 5800      | 900 - 4800           | 25       | 40            | <b>FDR 32/E-2</b> | 1500 - 8800          | 1500 - 8800      | 32            | 40              |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| FDR               | 90 - 600  | 90 - 580              | 15            | 40             |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| <b>FDR 15</b>     | 90 - 600  | 90 - 580              | 15            | 40             |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| <b>FDR 20</b>     | 300 - 2000  | 300 - 1700            | 20            | 40             |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| <b>FDR 25</b>     | 900 - 5800  | 900 - 4800            | 25            | 40             |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| <b>FDR 32/E-2</b> | 1500 - 8800   | 1500 - 8800           | 32            | 40             |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| 1.617             | <b>Pressostat</b> pour fioul, plage de réglage 0-6 bar<br><b>DSB 143</b> 0-6 bar sans éléments de raccordement et manomètre<br><b>Pots de circulation</b> pour fiouls FOD et FOD, avec filtre, vanne de sécurité et ensemble compteur fioul, Rohranschluss serienmäßig, raccordement à brides, chauffage d'accompagnement en FOL → voir options 1.620   |                       |               |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| 1.618             | <b>Pot de circulation</b> type W-OC-EL pour FOD avec élément filtrant<br><table border="1"> <thead> <tr> <th>Désignation</th> <th>Filtere</th> <th>Compteur fioul</th> <th>Débit</th> </tr> </thead> <tbody> <tr> <td>W-OC-EL 180 SF</td> <td>filtre à tamis 100µm</td> <td>VZO 8</td> <td>4 - 180 L/h</td> </tr> <tr> <td>W-OC-EL 180 SF</td> <td>filtre à tamis 100µm</td> <td>VZO 8 RE 1 (NF)</td> <td>4 - 180 L/h</td> </tr> <tr> <td>W-OC-EL 180 SF</td> <td>filtre à tamis 100µm</td> <td>VZO 8 RE 0,00311 (HF)</td> <td>4 - 180 L/h</td> </tr> <tr> <td>W-OC-EL 1000 SF</td> <td>filtre à tamis 100µm</td> <td>VZO 20</td> <td>30 - 1000 L/h</td> </tr> <tr> <td>W-OC-EL 1000 SF</td> <td>filtre à tamis 100µm</td> <td>VZO 20 RV 1 (NF)</td> <td>30 - 1000 L/h</td> </tr> <tr> <td>W-OC-EL 1000 SF</td> <td>filtre à tamis 100µm</td> <td>VZO 20 IN 0,01 (HF)</td> <td>30 - 1000 L/h</td> </tr> <tr> <td>W-OC-EL 1500 SF</td> <td>filtre à tamis 100µm</td> <td>VZO 25</td> <td>75 - 1500 L/h</td> </tr> <tr> <td>W-OC-EL 1500 SF</td> <td>filtre à tamis 100µm</td> <td>VZO 25 RV 1 (NF)</td> <td>75 - 1500 L/h</td> </tr> <tr> <td>W-OC-EL 1500 SF</td> <td>filtre à tamis 100µm</td> <td>VZO 25 IN 0,1 (HF)</td> <td>75 - 1500 L/h</td> </tr> </tbody> </table><br><b>Pot de circulation</b> type W-OC-EL pour FOD avec filtre à lamelles à arêtes et pot magnétique sur cartouche filtrante<br><table border="1"> <thead> <tr> <th>Description</th> <th>Filtere</th> <th>Compteur fioul</th> <th>Débit</th> </tr> </thead> <tbody> <tr> <td>W-OC-EL 1000 EF</td> <td>filtre à lamelles à arêtes 100µm</td> <td>VZO 20</td> <td>30 - 1000L/h</td> </tr> <tr> <td>W-OC-EL 1000 EF</td> <td>filtre à lamelles à arêtes 100µm</td> <td>VZO 20 RV 1(NF)</td> <td>30 - 1000L/h</td> </tr> <tr> <td>W-OC-EL 1000 EF</td> <td>filtre à lamelles à arêtes 100µm</td> <td>VZO 20 IN 0,01(HF)</td> <td>30-1000L/h</td> </tr> <tr> <td>W-OC-EL 2000 EF</td> <td>filtre à lamelles à arêtes 100µm</td> <td>VZO 25</td> <td>75 - 2000L/h</td> </tr> <tr> <td>W-OC-EL 2000 EF</td> <td>filtre à lamelles à arêtes 100µm</td> <td>VZO 25 RV 1(NF)</td> <td>75 - 2000L/h</td> </tr> <tr> <td>W-OC-EL 2000 EF</td> <td>filtre à lamelles à arêtes 100µm</td> <td>VZO 25 IN 0,1(HF)</td> <td>75 - 2000L/h</td> </tr> </tbody> </table> | Désignation           | Filtere       | Compteur fioul | Débit        | W-OC-EL 180 SF | filtre à tamis 100µm | VZO 8           | 4 - 180 L/h | W-OC-EL 180 SF | filtre à tamis 100µm | VZO 8 RE 1 (NF) | 4 - 180 L/h | W-OC-EL 180 SF | filtre à tamis 100µm | VZO 8 RE 0,00311 (HF) | 4 - 180 L/h   | W-OC-EL 1000 SF | filtre à tamis 100µm | VZO 20   | 30 - 1000 L/h | W-OC-EL 1000 SF   | filtre à tamis 100µm | VZO 20 RV 1 (NF) | 30 - 1000 L/h | W-OC-EL 1000 SF | filtre à tamis 100µm | VZO 20 IN 0,01 (HF) | 30 - 1000 L/h | W-OC-EL 1500 SF | filtre à tamis 100µm | VZO 25      | 75 - 1500 L/h | W-OC-EL 1500 SF | filtre à tamis 100µm | VZO 25 RV 1 (NF) | 75 - 1500 L/h | W-OC-EL 1500 SF | filtre à tamis 100µm | VZO 25 IN 0,1 (HF) | 75 - 1500 L/h | Description | Filtere | Compteur fioul | Débit | W-OC-EL 1000 EF | filtre à lamelles à arêtes 100µm | VZO 20 | 30 - 1000L/h | W-OC-EL 1000 EF | filtre à lamelles à arêtes 100µm | VZO 20 RV 1(NF) | 30 - 1000L/h | W-OC-EL 1000 EF | filtre à lamelles à arêtes 100µm | VZO 20 IN 0,01(HF) | 30-1000L/h | W-OC-EL 2000 EF | filtre à lamelles à arêtes 100µm | VZO 25 | 75 - 2000L/h | W-OC-EL 2000 EF | filtre à lamelles à arêtes 100µm | VZO 25 RV 1(NF) | 75 - 2000L/h | W-OC-EL 2000 EF | filtre à lamelles à arêtes 100µm | VZO 25 IN 0,1(HF) | 75 - 2000L/h |
| Désignation       | Filtere   | Compteur fioul        | Débit         |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| W-OC-EL 180 SF    | filtre à tamis 100µm  | VZO 8                 | 4 - 180 L/h   |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| W-OC-EL 180 SF    | filtre à tamis 100µm  | VZO 8 RE 1 (NF)       | 4 - 180 L/h   |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| W-OC-EL 180 SF    | filtre à tamis 100µm  | VZO 8 RE 0,00311 (HF) | 4 - 180 L/h   |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| W-OC-EL 1000 SF   | filtre à tamis 100µm  | VZO 20                | 30 - 1000 L/h |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| W-OC-EL 1000 SF   | filtre à tamis 100µm  | VZO 20 RV 1 (NF)      | 30 - 1000 L/h |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| W-OC-EL 1000 SF   | filtre à tamis 100µm  | VZO 20 IN 0,01 (HF)   | 30 - 1000 L/h |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| W-OC-EL 1500 SF   | filtre à tamis 100µm  | VZO 25                | 75 - 1500 L/h |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| W-OC-EL 1500 SF   | filtre à tamis 100µm  | VZO 25 RV 1 (NF)      | 75 - 1500 L/h |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| W-OC-EL 1500 SF   | filtre à tamis 100µm  | VZO 25 IN 0,1 (HF)    | 75 - 1500 L/h |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| Description       | Filtere   | Compteur fioul        | Débit         |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| W-OC-EL 1000 EF   | filtre à lamelles à arêtes 100µm  | VZO 20                | 30 - 1000L/h  |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| W-OC-EL 1000 EF   | filtre à lamelles à arêtes 100µm  | VZO 20 RV 1(NF)       | 30 - 1000L/h  |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| W-OC-EL 1000 EF   | filtre à lamelles à arêtes 100µm  | VZO 20 IN 0,01(HF)    | 30-1000L/h    |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| W-OC-EL 2000 EF   | filtre à lamelles à arêtes 100µm  | VZO 25                | 75 - 2000L/h  |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| W-OC-EL 2000 EF   | filtre à lamelles à arêtes 100µm  | VZO 25 RV 1(NF)       | 75 - 2000L/h  |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |
| W-OC-EL 2000 EF   | filtre à lamelles à arêtes 100µm  | VZO 25 IN 0,1(HF)     | 75 - 2000L/h  |                |              |                |                      |                 |             |                |                      |                 |             |                |                      |                       |               |                 |                      |          |               |                   |                      |                  |               |                 |                      |                     |               |                 |                      |             |               |                 |                      |                  |               |                 |                      |                    |               |             |         |                |       |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                    |            |                 |                                  |        |              |                 |                                  |                 |              |                 |                                  |                   |              |



1.619



1.701



1.702

| Nr.            | Bezeichnung  | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
|----------------|--|--|-------------------------|--------------------|------------------------------|--------------------|------------------------------|-------------------------|-----------|---------------|---------|----------------|-------------------------|-----------|---------------|-----------|----------------|-------------------------|------------------|---------------|-----------|----------------|-------------------------|------------------|---------------|------|----------------|-------------------------|---------------------|---------------|------|----------------|-------------------------|---------------------|---------------|----------|----------------|-------------------------|---------|---------------|------|----------------|-------------------------|------------|---------------|---------|----------------|-------------------------|------------------|---------------|------------|----------------|-------------------------|------------------|---------------|-----------|----------------|-------------------------|--------------------|---------------|------|----------------|-------------------------|--------------------|---------------|------|---------|------|------|-----------|-------|--|--|
| 1.619          | <b>Öl-zirkulationsgerät Typ W-OC-S für Heizöl S mit Kantenspaldfilter und Magnetabscheider am Filtereinsatz</b>  |  |                         |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
|                | <table border="1"> <thead> <tr> <th>Bezeichnung</th> <th>Filter</th> <th>Ölzähler</th> <th>Öldurchsatz</th> <th>Spannung</th> </tr> </thead> <tbody> <tr><td>W-OC-S 1000 EF</td><td>Kantenspaldfilter 200µm</td><td>VZO 20</td><td>30 - 1000 L/h</td><td>230V</td></tr> <tr><td>W-OC-S 1000 EF</td><td>Kantenspaldfilter 200µm</td><td>VZO 20</td><td>30 - 1000 L/h</td><td>110V</td></tr> <tr><td>W-OC-S 1000 EF</td><td>Kantenspaldfilter 200µm</td><td>VZO 20 RV 1 (NF)</td><td>30 - 1000 L/h</td><td>230V</td></tr> <tr><td>W-OC-S 1000 EF</td><td>Kantenspaldfilter 200µm</td><td>VZO 20 RV 1 (NF)</td><td>30 - 1000 L/h</td><td>110V</td></tr> <tr><td>W-OC-S 1000 EF</td><td>Kantenspaldfilter 200µm</td><td>VZO 20 IN 0,01 (HF)</td><td>30 - 1000 L/h</td><td>230V</td></tr> <tr><td>W-OC-S 1000 EF</td><td>Kantenspaldfilter 200µm</td><td>VZO 20 IN 0,01 (HF)</td><td>30 - 1000 L/h</td><td>110V</td></tr> <tr><td>W-OC-S 2000 EF</td><td>Kantenspaldfilter 200µm</td><td>VZO 25</td><td>75 - 2000 L/h</td><td>230V</td></tr> <tr><td>W-OC-S 2000 EF</td><td>Kantenspaldfilter 200µm</td><td>VZO 25</td><td>75 - 2000 L/h</td><td>110V</td></tr> <tr><td>W-OC-S 2000 EF</td><td>Kantenspaldfilter 200µm</td><td>VZO 25 RV 1 (NF)</td><td>75 - 2000 L/h</td><td>230V</td></tr> <tr><td>W-OC-S 2000 EF</td><td>Kantenspaldfilter 200µm</td><td>VZO 25 RV 1 (NF)</td><td>75 - 2000 L/h</td><td>110V</td></tr> <tr><td>W-OC-S 2000 EF</td><td>Kantenspaldfilter 200µm</td><td>VZO 25 IN 0,1 (HF)</td><td>75 - 2000 L/h</td><td>230V</td></tr> <tr><td>W-OC-S 2000 EF</td><td>Kantenspaldfilter 200µm</td><td>VZO 25 IN 0,1 (HF)</td><td>75 - 2000 L/h</td><td>110V</td></tr> </tbody> </table> | Bezeichnung                                | Filter                  | Ölzähler           | Öldurchsatz                  | Spannung           | W-OC-S 1000 EF               | Kantenspaldfilter 200µm | VZO 20    | 30 - 1000 L/h | 230V    | W-OC-S 1000 EF | Kantenspaldfilter 200µm | VZO 20    | 30 - 1000 L/h | 110V      | W-OC-S 1000 EF | Kantenspaldfilter 200µm | VZO 20 RV 1 (NF) | 30 - 1000 L/h | 230V      | W-OC-S 1000 EF | Kantenspaldfilter 200µm | VZO 20 RV 1 (NF) | 30 - 1000 L/h | 110V | W-OC-S 1000 EF | Kantenspaldfilter 200µm | VZO 20 IN 0,01 (HF) | 30 - 1000 L/h | 230V | W-OC-S 1000 EF | Kantenspaldfilter 200µm | VZO 20 IN 0,01 (HF) | 30 - 1000 L/h | 110V     | W-OC-S 2000 EF | Kantenspaldfilter 200µm | VZO 25  | 75 - 2000 L/h | 230V | W-OC-S 2000 EF | Kantenspaldfilter 200µm | VZO 25     | 75 - 2000 L/h | 110V    | W-OC-S 2000 EF | Kantenspaldfilter 200µm | VZO 25 RV 1 (NF) | 75 - 2000 L/h | 230V       | W-OC-S 2000 EF | Kantenspaldfilter 200µm | VZO 25 RV 1 (NF) | 75 - 2000 L/h | 110V      | W-OC-S 2000 EF | Kantenspaldfilter 200µm | VZO 25 IN 0,1 (HF) | 75 - 2000 L/h | 230V | W-OC-S 2000 EF | Kantenspaldfilter 200µm | VZO 25 IN 0,1 (HF) | 75 - 2000 L/h | 110V |         |      |      |           |       |  |  |
| Bezeichnung    | Filter   | Ölzähler                                   | Öldurchsatz             | Spannung           |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| W-OC-S 1000 EF | Kantenspaldfilter 200µm  | VZO 20                                     | 30 - 1000 L/h           | 230V               |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| W-OC-S 1000 EF | Kantenspaldfilter 200µm  | VZO 20                                     | 30 - 1000 L/h           | 110V               |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| W-OC-S 1000 EF | Kantenspaldfilter 200µm  | VZO 20 RV 1 (NF)                           | 30 - 1000 L/h           | 230V               |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| W-OC-S 1000 EF | Kantenspaldfilter 200µm  | VZO 20 RV 1 (NF)                           | 30 - 1000 L/h           | 110V               |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| W-OC-S 1000 EF | Kantenspaldfilter 200µm  | VZO 20 IN 0,01 (HF)                        | 30 - 1000 L/h           | 230V               |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| W-OC-S 1000 EF | Kantenspaldfilter 200µm  | VZO 20 IN 0,01 (HF)                        | 30 - 1000 L/h           | 110V               |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| W-OC-S 2000 EF | Kantenspaldfilter 200µm  | VZO 25                                     | 75 - 2000 L/h           | 230V               |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| W-OC-S 2000 EF | Kantenspaldfilter 200µm  | VZO 25                                     | 75 - 2000 L/h           | 110V               |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| W-OC-S 2000 EF | Kantenspaldfilter 200µm  | VZO 25 RV 1 (NF)                           | 75 - 2000 L/h           | 230V               |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| W-OC-S 2000 EF | Kantenspaldfilter 200µm  | VZO 25 RV 1 (NF)                           | 75 - 2000 L/h           | 110V               |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| W-OC-S 2000 EF | Kantenspaldfilter 200µm  | VZO 25 IN 0,1 (HF)                         | 75 - 2000 L/h           | 230V               |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| W-OC-S 2000 EF | Kantenspaldfilter 200µm  | VZO 25 IN 0,1 (HF)                         | 75 - 2000 L/h           | 110V               |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| 1.620          | <b>Optionen für Weishaupt-Öl-zirkulationsgeräte</b>  |  |                         |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
|                | Schweißflansch Set DN32 für W-OC180  | 109 000 08 212                             |                         |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
|                | Schweißflansch Set DN65 für W-OC1000/2000  | 109 000 09 182                             |                         |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
|                | Begleitheizung Set 230 Volt, 1x 192W, 1x 350W für W-OC-S   | 109 000 09 192                             |                         |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
|                | <b>Drossel</b> zum Abgleich der Durchflusswiderstände bei Schwerölbetrieb  |  |                         |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
|                | DN32   | 109 000 03 372                             |                         |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
|                | DN65   | 109 000 03 392                             |                         |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| 1.621          | <b>Ersatzteile für Weishaupt-Öl-zirkulationsgeräte</b>   |  |                         |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
|                | Filtereinsatz AF0130, 100µm für W-OC-EL180/1000/1500-SF ( Siebsternfilter )  | 493 536                                    |                         |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
|                | Filtereinsatz AF7131, 100µm für W-OC-EL1000/2000 EF ( Kantenspaldfilter )  | 493 528                                    |                         |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
|                | Filtereinsatz AF7131, 200µm für W-OC-S 1000/2000 EF ( Kantenspaldfilter )  | 493 531                                    |                         |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
|                | <b>Dichtsatz für Filter im W-OCEL und W-OC-S</b>   | 493 537                                    |                         |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
|                | Heizpatrone 230 Volt, 55W ( Filter )   | 109 000 06 182                             |                         |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
|                | <b>Heizpatrone 110 Volt, 50W ( Filter )</b>  | 109 000 06 172                             |                         |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
|                | Heizpatrone 230 Volt, 110W ( Behälter )  | 109 000 06 212                             |                         |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
|                | Heizpatrone 110 Volt, 100W ( Behälter )  | 109 000 09 222                             |                         |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| <b>1.7</b>     | <b>Einstrangarmaturen</b>  |  |                         |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| 1.701          | <b>Einzel-pumpenaggregat</b> Baureihe EKL für Heizöl EL bestehend aus:<br>Schraubenspindel-pumpe, Druckhalteventil 0,5-1,5bar, Drehstrommotor IP55<br>Schmutzfänger (Maschenweite 0,25mm) Vakuum- u. Druckmanometer<br>Anschweißgegenflansch - Saugseite, Verschraubung - Druckseite komplett auf Ölwanne aufgebaut  |  |                         |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
|                | <table border="1"> <thead> <tr> <th>Typ</th> <th>Fördermenge<br/>l/h</th> <th>Spannung<br/>V</th> <th>Motor-<br/>kW</th> <th>Drehzahl<br/>1/min.</th> <th>Anschlußmaße<br/>Saugseite DN</th> <th>Druckseite DN</th> </tr> </thead> <tbody> <tr><td>EKL13-240</td><td>168</td><td>230/400</td><td>0,20</td><td>1450</td><td>DN25/PN16</td><td>SAE 3/4</td></tr> <tr><td>EKL13-400</td><td>282</td><td>230/400</td><td>0,25</td><td>1450</td><td>DN25/PN16</td><td>SAE 3/4</td></tr> <tr><td>EKL13-400</td><td>282</td><td>230/400</td><td>0,25</td><td>1450</td><td>DN25/PN16</td><td>SAE 3/4</td></tr> <tr><td>EKL13-600</td><td>486</td><td>230/400</td><td>0,37</td><td>2900</td><td>DN25/PN16</td><td>SAE 3/4</td></tr> <tr><td>EKL13-1200</td><td>858</td><td>230/400</td><td>0,37</td><td>1450</td><td>DN25/PN16</td><td>SAE 3/4</td></tr> <tr><td>EKL13-1000</td><td>1020</td><td>230/400</td><td>0,37</td><td>2900</td><td>DN25/PN16</td><td>SAE 3/4</td></tr> <tr><td>EKL13-1800</td><td>1584</td><td>230/400</td><td>0,55</td><td>2900</td><td>DN25/PN16</td><td>SAE 3/4</td></tr> <tr><td>EKL13-2300</td><td>2082</td><td>230/400</td><td>0,55</td><td>2900</td><td>DN25/PN16</td><td>SAE 3/4</td></tr> <tr><td>EKL13-3200</td><td>3288</td><td>230/400</td><td>1,00</td><td>2900</td><td>DN40/PN16</td><td>SAE 1</td></tr> </tbody> </table>  | Typ  | Fördermenge<br>l/h      | Spannung<br>V      | Motor-<br>kW                 | Drehzahl<br>1/min. | Anschlußmaße<br>Saugseite DN | Druckseite DN           | EKL13-240 | 168           | 230/400 | 0,20           | 1450                    | DN25/PN16 | SAE 3/4       | EKL13-400 | 282            | 230/400                 | 0,25             | 1450          | DN25/PN16 | SAE 3/4        | EKL13-400               | 282              | 230/400       | 0,25 | 1450           | DN25/PN16               | SAE 3/4             | EKL13-600     | 486  | 230/400        | 0,37                    | 2900                | DN25/PN16     | SAE 3/4  | EKL13-1200     | 858                     | 230/400 | 0,37          | 1450 | DN25/PN16      | SAE 3/4                 | EKL13-1000 | 1020          | 230/400 | 0,37           | 2900                    | DN25/PN16        | SAE 3/4       | EKL13-1800 | 1584           | 230/400                 | 0,55             | 2900          | DN25/PN16 | SAE 3/4        | EKL13-2300              | 2082               | 230/400       | 0,55 | 2900           | DN25/PN16               | SAE 3/4            | EKL13-3200    | 3288 | 230/400 | 1,00 | 2900 | DN40/PN16 | SAE 1 |  |  |
| Typ            | Fördermenge<br>l/h   | Spannung<br>V                              | Motor-<br>kW            | Drehzahl<br>1/min. | Anschlußmaße<br>Saugseite DN | Druckseite DN      |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| EKL13-240      | 168  | 230/400                                    | 0,20                    | 1450               | DN25/PN16                    | SAE 3/4            |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| EKL13-400      | 282  | 230/400                                    | 0,25                    | 1450               | DN25/PN16                    | SAE 3/4            |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| EKL13-400      | 282  | 230/400                                    | 0,25                    | 1450               | DN25/PN16                    | SAE 3/4            |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| EKL13-600      | 486  | 230/400                                    | 0,37                    | 2900               | DN25/PN16                    | SAE 3/4            |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| EKL13-1200     | 858  | 230/400                                    | 0,37                    | 1450               | DN25/PN16                    | SAE 3/4            |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| EKL13-1000     | 1020   | 230/400                                    | 0,37                    | 2900               | DN25/PN16                    | SAE 3/4            |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| EKL13-1800     | 1584   | 230/400                                    | 0,55                    | 2900               | DN25/PN16                    | SAE 3/4            |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| EKL13-2300     | 2082   | 230/400                                    | 0,55                    | 2900               | DN25/PN16                    | SAE 3/4            |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| EKL13-3200     | 3288   | 230/400                                    | 1,00                    | 2900               | DN40/PN16                    | SAE 1              |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
|                | * Sonderspannungen auf Anfrage   |  |                         |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| 1.702          | <b>Doppelpumpenaggregat</b> Baureihe DKC bestehend aus:<br>2 Schraubenspindel-pumpen, Druckhalteventil 0,5-1,5bar, Drehstrommotore IP55<br>Schmutzfänger (Maschenweite 0,25mm) 2 Vakuum- u. 1 Druckmanometer<br>Verschraubung für Anschluß Saug u. -Druckseite komplett auf Ölwanne aufgebaut  |  |                         |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
|                | <table border="1"> <tbody> <tr><td>DKC - 450</td><td>168</td><td>230/400</td><td>0,18</td><td>1450</td><td>SAE 11/2</td><td>SAE 11/2</td></tr> <tr><td>DKC - 450</td><td>312</td><td>230/400</td><td>0,25</td><td>1450</td><td>SAE 11/2</td><td>SAE 11/2</td></tr> <tr><td>DKC - 500</td><td>396</td><td>230/400</td><td>0,37</td><td>1450</td><td>SAE 11/2</td><td>SAE 11/2</td></tr> <tr><td>DKC - 600</td><td>486</td><td>230/400</td><td>0,37</td><td>2900</td><td>SAE 11/2</td><td>SAE 11/2</td></tr> <tr><td>DKC - 1100</td><td>858</td><td>230/400</td><td>0,37</td><td>2900</td><td>SAE 11/2</td><td>SAE 11/2</td></tr> <tr><td>DKC - 1200</td><td>1020</td><td>230/400</td><td>0,37</td><td>2900</td><td>SAE 11/2</td><td>SAE 11/2</td></tr> <tr><td>DKC - 1800</td><td>1584</td><td>230/400</td><td>1,1</td><td>2900</td><td>SAE 11/2</td><td>SAE 11/2</td></tr> <tr><td>DKC - 2400</td><td>2082</td><td>230/400</td><td>1,1</td><td>2900</td><td>SAE 11/2</td><td>SAE 11/2</td></tr> <tr><td>DKC - 3300</td><td>3288</td><td>230/400</td><td>1,5</td><td>2900</td><td>SAE 11/2</td><td>SAE 11/2</td></tr> </tbody> </table>   | DKC - 450                                  | 168                     | 230/400            | 0,18                         | 1450               | SAE 11/2                     | SAE 11/2                | DKC - 450 | 312           | 230/400 | 0,25           | 1450                    | SAE 11/2  | SAE 11/2      | DKC - 500 | 396            | 230/400                 | 0,37             | 1450          | SAE 11/2  | SAE 11/2       | DKC - 600               | 486              | 230/400       | 0,37 | 2900           | SAE 11/2                | SAE 11/2            | DKC - 1100    | 858  | 230/400        | 0,37                    | 2900                | SAE 11/2      | SAE 11/2 | DKC - 1200     | 1020                    | 230/400 | 0,37          | 2900 | SAE 11/2       | SAE 11/2                | DKC - 1800 | 1584          | 230/400 | 1,1            | 2900                    | SAE 11/2         | SAE 11/2      | DKC - 2400 | 2082           | 230/400                 | 1,1              | 2900          | SAE 11/2  | SAE 11/2       | DKC - 3300              | 3288               | 230/400       | 1,5  | 2900           | SAE 11/2                | SAE 11/2           |               |      |         |      |      |           |       |  |  |
| DKC - 450      | 168  | 230/400                                    | 0,18                    | 1450               | SAE 11/2                     | SAE 11/2           |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| DKC - 450      | 312  | 230/400                                    | 0,25                    | 1450               | SAE 11/2                     | SAE 11/2           |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| DKC - 500      | 396  | 230/400                                    | 0,37                    | 1450               | SAE 11/2                     | SAE 11/2           |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| DKC - 600      | 486  | 230/400                                    | 0,37                    | 2900               | SAE 11/2                     | SAE 11/2           |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| DKC - 1100     | 858  | 230/400                                    | 0,37                    | 2900               | SAE 11/2                     | SAE 11/2           |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| DKC - 1200     | 1020   | 230/400                                    | 0,37                    | 2900               | SAE 11/2                     | SAE 11/2           |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| DKC - 1800     | 1584   | 230/400                                    | 1,1                     | 2900               | SAE 11/2                     | SAE 11/2           |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| DKC - 2400     | 2082   | 230/400                                    | 1,1                     | 2900               | SAE 11/2                     | SAE 11/2           |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
| DKC - 3300     | 3288   | 230/400                                    | 1,5                     | 2900               | SAE 11/2                     | SAE 11/2           |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |
|                | * Sonderspannungen auf Anfrage   |  |                         |                    |                              |                    |                              |                         |           |               |         |                |                         |           |               |           |                |                         |                  |               |           |                |                         |                  |               |      |                |                         |                     |               |      |                |                         |                     |               |          |                |                         |         |               |      |                |                         |            |               |         |                |                         |                  |               |            |                |                         |                  |               |           |                |                         |                    |               |      |                |                         |                    |               |      |         |      |      |           |       |  |  |

| No.        | Designation  |                   |                     |                 |           |  |
|------------|--|-------------------|---------------------|-----------------|-----------|--|
| 1.619      | <b>Oil circulation device</b> type W-OC-S for fuel oil S with edge plate filter and magnetic separator on filter insert  |                   |                     |                 |           |  |
|            | Description  | Edge plate filter | Oil meter           | Oil throughput  | Voltage   |  |
|            | W-OC-S 1000 EF   | 200µm             | VZO 20              | 30 - 1000 L/h   | 230V      |  |
|            | W-OC-S 1000 EF   | 200µm             | VZO 20              | 30 - 1000 L/h   | 110V      |  |
|            | W-OC-S 1000 EF   | 200µm             | VZO 20 RV 1 (NF)    | 30 - 1000 L/h   | 230V      |  |
|            | W-OC-S 1000 EF   | 200µm             | VZO 20 RV 1 (NF)    | 30 - 1000 L/h   | 110V      |  |
|            | W-OC-S 1000 EF   | 200µm             | VZO 20 IN 0.01 (HF) | 30 - 1000 L/h   | 230V      |  |
|            | W-OC-S 1000 EF   | 200µm             | VZO 20 IN 0.01 (HF) | 30 - 1000 L/h   | 110V      |  |
|            | W-OC-S 2000 EF   | 200µm             | VZO 25              | 75 - 2000 L/h   | 230V      |  |
|            | W-OC-S 2000 EF   | 200µm             | VZO 25              | 75 - 2000 L/h   | 110V      |  |
|            | W-OC-S 2000 EF   | 200µm             | VZO 25 RV 1 (NF)    | 75 - 2000 L/h   | 230V      |  |
|            | W-OC-S 2000 EF   | 200µm             | VZO 25 RV 1 (NF)    | 75 - 2000 L/h   | 110V      |  |
|            | W-OC-S 2000 EF   | 200µm             | VZO 25 IN 0.1 (HF)  | 75 - 2000 L/h   | 230V      |  |
|            | W-OC-S 2000 EF   | 200µm             | VZO 25 IN 0.1 (HF)  | 75 - 2000 L/h   | 110V      |  |
| 1.620      | <b>Options for Weishaupt oil circulation devices</b>   |                   |                     |                 |           |  |
|            | Welded flange set DN32 for W-OC180   |                   |                     |                 |           |  |
|            | Welded flange set DN65 for W-OC1000/2000   |                   |                     |                 |           |  |
|            | Trace heating set 230 Volt, 1x 192W, 1x 350W for W-OC-S  |                   |                     |                 |           |  |
|            | <b>Throttle</b> for adjusting the flow resistances for HFO   |                   |                     |                 |           |  |
|            | DN32   |                   |                     |                 |           |  |
|            | DN65   |                   |                     |                 |           |  |
| 1.621      | <b>Replacement parts for Weishaupt oil circulation devices</b>   |                   |                     |                 |           |  |
|            | Filter insert AF0130, 100µm for W-OC-EL180/1000/1500-SF (strainer)   |                   |                     |                 |           |  |
|            | Filter insert AF7131, 100µm for W-OC-EL1000/2000 EF (strainer)   |                   |                     |                 |           |  |
|            | Filter insert AF7131, 200µm for W-OC-S 1000/2000 EF (strainer)   |                   |                     |                 |           |  |
|            | <b>Set of seals for filter in W-OC-EL and W-OC-S</b>   |                   |                     |                 |           |  |
|            | Heating cartridge 230 Volt, 55W (filter)   |                   |                     |                 |           |  |
|            | <b>Heating cartridge 110 Volt, 50W (filter)</b>  |                   |                     |                 |           |  |
|            | Heating cartridge 230 Volt, 110W (reservoir)   |                   |                     |                 |           |  |
|            | Heating cartridge 110 Volt, 100W (reservoir)   |                   |                     |                 |           |  |
| <b>1.7</b> | <b>Single pipe fittings</b>  |                   |                     |                 |           |  |
| 1.701      | <b>Single pump station</b> type EKL for fuel oil EL consisting of:<br>Spindle screw pump, pressure retention valve 0.5-1.5 bar, three phase motor IP55, filter (mesh aperture 0.25mm) vacuum and pressure gauges, welded counter-flange – suction side screwed union – pressure side fitted complete to oil sump |                   |                     |                 |           |  |
|            | Type   | Flow rate l/h     | Voltage V           | Motor rating kW | Speed rpm | Connection dimensions suction s./pressure s. DN/DN |
|            | EKL13-240  | 168               | 230/400             | 0,20            | 1450      | DN25/PN16 SAE 3/4                                  |
|            | EKL13-400  | 282               | 230/400             | 0,25            | 1450      | DN25/PN16 SAE 3/4                                  |
|            | EKL13-400  | 282               | 230/400             | 0,25            | 1450      | DN25/PN16 SAE 3/4                                  |
|            | EKL13-600  | 486               | 230/400             | 0,37            | 2900      | DN25/PN16 SAE 3/4                                  |
|            | EKL13-1200   | 858               | 230/400             | 0,37            | 1450      | DN25/PN16 SAE 3/4                                  |
|            | EKL13-1000   | 1020              | 230/400             | 0,37            | 2900      | DN25/PN16 SAE 3/4                                  |
|            | EKL13-1800   | 1584              | 230/400             | 0,55            | 2900      | DN25/PN16 SAE 3/4                                  |
|            | EKL13-2300   | 2082              | 230/400             | 0,55            | 2900      | DN25/PN16 SAE 3/4                                  |
|            | EKL13-3200   | 3288              | 230/400             | 1,00            | 2900      | DN40/PN16 SAE 1                                    |
|            | * Special voltages on request  |                   |                     |                 |           |  |
| 1.702      | <b>Double pump station</b> type DKC consisting of:<br>2 spindle screw pumps, pressure retention valve 0.5-1.5 bar, three phase motor IP55, filter (mesh aperture 0.25mm), 2 vacuum gauges and 1 pressure gauge, screwed union for suction and pressure side connection fitted complete to oil sump               |                   |                     |                 |           |  |
|            | Type   | Flow rate l/h     | Voltage V           | Motor rating kW | Speed rpm | Connection dimensions suction s./pressure s. DN/DN |
|            | DKC - 450  | 168               | 230/400             | 0,18            | 1450      | SAE 11/2 SAE 11/2                                  |
|            | DKC - 450  | 312               | 230/400             | 0,25            | 1450      | SAE 11/2 SAE 11/2                                  |
|            | DKC - 500  | 396               | 230/400             | 0,37            | 1450      | SAE 11/2 SAE 11/2                                  |
|            | DKC - 600  | 486               | 230/400             | 0,37            | 2900      | SAE 11/2 SAE 11/2                                  |
|            | DKC - 1100   | 858               | 230/400             | 0,37            | 2900      | SAE 11/2 SAE 11/2                                  |
|            | DKC - 1200   | 1020              | 230/400             | 0,37            | 2900      | SAE 11/2 SAE 11/2                                  |
|            | DKC - 1800   | 1584              | 230/400             | 1,1             | 2900      | SAE 11/2 SAE 11/2                                  |
|            | DKC - 2400   | 2082              | 230/400             | 1,1             | 2900      | SAE 11/2 SAE 11/2                                  |
|            | DKC - 3300   | 3288              | 230/400             | 1,5             | 2900      | SAE 11/2 SAE 11/2                                  |
|            | * Special voltages on request  |                   |                     |                 |           |  |

| No.        | Dénomination   |                  |                     |               |                            |                                   |
|------------|--|------------------|---------------------|---------------|----------------------------|-----------------------------------|
| 1.619      | <b>Pot de circulation</b> type W-OC-S pour FOL filtre à lamelles à arêtes et pot de circulation magnétique sur cartouche filtrante   |                  |                     |               |                            |                                   |
|            | Désignation  | Filtre à lamelle | Compteur fioul      | Débit         | Tension                    |                                   |
|            | W-OC-S 1000 EF   | 200µm            | VZO 20              | 30 - 1000 L/h | 230V                       |                                   |
|            | W-OC-S 1000 EF   | 200µm            | VZO 20              | 30 - 1000 L/h | 110V                       |                                   |
|            | W-OC-S 1000 EF   | 200µm            | VZO 20 RV 1 (NF)    | 30 - 1000 L/h | 230V                       |                                   |
|            | W-OC-S 1000 EF   | 200µm            | VZO 20 RV 1 (NF)    | 30 - 1000 L/h | 110V                       |                                   |
|            | W-OC-S 1000 EF   | 200µm            | VZO 20 IN 0,01 (HF) | 30 - 1000 L/h | 230V                       |                                   |
|            | W-OC-S 1000 EF   | 200µm            | VZO 20 IN 0,01 (HF) | 30 - 1000 L/h | 110V                       |                                   |
|            | W-OC-S 2000 EF   | 200µm            | VZO 25              | 75 - 2000 L/h | 230V                       |                                   |
|            | W-OC-S 2000 EF   | 200µm            | VZO 25              | 75 - 2000 L/h | 110V                       |                                   |
|            | W-OC-S 2000 EF   | 200µm            | VZO 25 RV 1 (NF)    | 75 - 2000 L/h | 230V                       |                                   |
|            | W-OC-S 2000 EF   | 200µm            | VZO 25 RV 1 (NF)    | 75 - 2000 L/h | 110V                       |                                   |
|            | W-OC-S 2000 EF   | 200µm            | VZO 25 IN 0,1 (HF)  | 75 - 2000 L/h | 230V                       |                                   |
|            | W-OC-S 2000 EF   | 200µm            | VZO 25 IN 0,1 (HF)  | 75 - 2000 L/h | 110V                       |                                   |
| 1.620      | <b>Options pour pot de circulation Weishaupt</b>   |                  |                     |               |                            |                                   |
|            | Ensemble bride à souder DN32 pour W-OC180  |                  |                     |               |                            |                                   |
|            | Ensemble bride à souder DN65 pour W-OC1000/2000  |                  |                     |               |                            |                                   |
|            | Ens. chauffage d'accompagn. 230 Volt, 1x 192W, 1x 350W pour W-OC-S   |                  |                     |               |                            |                                   |
|            | <b>Clapet</b> pour compenser der variations de débit en fioul lourd  |                  |                     |               |                            |                                   |
|            | DN32   |                  |                     |               |                            |                                   |
|            | DN65   |                  |                     |               |                            |                                   |
| 1.621      | <b>Pièces détachées pour pot de circulation Weishaupt</b>  |                  |                     |               |                            |                                   |
|            | Cartouche filtrante AF0130, 100µm pour W-OC-EL180/1000/1500-SF (élément filtrant)  |                  |                     |               |                            |                                   |
|            | Cartouche filtrante AF7131, 100µm pour W-OC-EL1000/2000 EF (filtre à lamelles à arêtes)  |                  |                     |               |                            |                                   |
|            | Cartouche filtrante AF7131, 200µm pour W-OC-S 1000/2000 EF (filtre à lamelles à arêtes)  |                  |                     |               |                            |                                   |
|            | <b>Ensemble joint pour filtre dans W-OC-EL et W-OC-S</b>   |                  |                     |               |                            |                                   |
|            | Cartouche chauffante 230 Volt, 55W (filtre)  |                  |                     |               |                            |                                   |
|            | <b>Cartouche chauffante 110 Volt, 50W (filtre)</b>   |                  |                     |               |                            |                                   |
|            | Cartouche chauffante 230 Volt, 110W (pot)  |                  |                     |               |                            |                                   |
|            | Cartouche chauffante 110 Volt, 100W (pot)  |                  |                     |               |                            |                                   |
| <b>1.7</b> | <b>Groupe pompe mono-tubel</b>   |                  |                     |               |                            |                                   |
| 1.701      | <b>Groupe pompe simple</b> , série EKL pour FOD, composé de :<br>Pompe à vis, vanne de pression 0,5-1,5 bar, indice de protection moteur IP55, filtre (écart mailles 0,25 mm), vacuomètre et manomètre, contre-bridés à souder sur l'aspiration et le refoulement, complet pour montage sur cuve fioul   |                  |                     |               |                            |                                   |
|            | Type   | Débit l/h        | Tension V           | Moteur kW     | Vitesse de rotation 1/min. | Raccordements aspir./refou. DN/DN |
|            | EKL13-240  | 168              | 230/400             | 0,20          | 1450                       | DN25/PN16 SAE 3/4                 |
|            | EKL13-400  | 282              | 230/400             | 0,25          | 1450                       | DN25/PN16 SAE 3/4                 |
|            | EKL13-400  | 282              | 230/400             | 0,25          | 1450                       | DN25/PN16 SAE 3/4                 |
|            | EKL13-600  | 486              | 230/400             | 0,37          | 2900                       | DN25/PN16 SAE 3/4                 |
|            | EKL13-1200   | 858              | 230/400             | 0,37          | 1450                       | DN25/PN16 SAE 3/4                 |
|            | EKL13-1000   | 1020             | 230/400             | 0,37          | 2900                       | DN25/PN16 SAE 3/4                 |
|            | EKL13-1800   | 1584             | 230/400             | 0,55          | 2900                       | DN25/PN16 SAE 3/4                 |
|            | EKL13-2300   | 2082             | 230/400             | 0,55          | 2900                       | DN25/PN16 SAE 3/4                 |
|            | EKL13-3200   | 3288             | 230/400             | 1,00          | 2900                       | DN40/PN16 SAE 1                   |
|            | * Tensions spécifiques sur demande   |                  |                     |               |                            |                                   |
| 1.702      | <b>Groupe pompe double</b> , série DKC composé de :<br>deux pompes à vis, vanne de pression 0,5-1,5 bar, indice de protection moteur IP55, filtre (écart mailles 0,25 mm), 2 vacuomètres et 1 manomètre, bride pour raccordement sur l'aspiration et le refoulement, complet pour montage sur cuve fioul |                  |                     |               |                            |                                   |
|            | Type   | Débit l/h        | Tension V           | Moteur kW     | Vitesse de rotation 1/min. | Raccordements aspir./refou. DN/DN |
|            | DKC - 450  | 168              | 230/400             | 0,18          | 1450                       | SAE 11/2 SAE 11/2                 |
|            | DKC - 450  | 312              | 230/400             | 0,25          | 1450                       | SAE 11/2 SAE 11/2                 |
|            | DKC - 500  | 396              | 230/400             | 0,37          | 1450                       | SAE 11/2 SAE 11/2                 |
|            | DKC - 600  | 486              | 230/400             | 0,37          | 2900                       | SAE 11/2 SAE 11/2                 |
|            | DKC - 1100   | 858              | 230/400             | 0,37          | 2900                       | SAE 11/2 SAE 11/2                 |
|            | DKC - 1200   | 1020             | 230/400             | 0,37          | 2900                       | SAE 11/2 SAE 11/2                 |
|            | DKC - 1800   | 1584             | 230/400             | 1,1           | 2900                       | SAE 11/2 SAE 11/2                 |
|            | DKC - 2400   | 2082             | 230/400             | 1,1           | 2900                       | SAE 11/2 SAE 11/2                 |
|            | DKC - 3300   | 3288             | 230/400             | 1,5           | 2900                       | SAE 11/2 SAE 11/2                 |
|            | * Tensions spécifiques sur demande   |                  |                     |               |                            |                                   |

| Nr.        | Bezeichnung   | Bestell-Nr.<br>Order-No.<br>No de commande  | Preis EUR<br>(o. MwSt.) |
|------------|---|---|-------------------------|
| <b>1.8</b> | <b>Ölbrennerdüsen</b>   |   |                         |
|            | <b>WL5-PB-H purflam®</b><br>0,35 GPH 80°SR Danfoss<br>0,40 GPH 80°SR Danfoss<br>0,45 GPH 80°SR Danfoss<br>0,50 GPH 80°SR Danfoss<br>0,55 GPH 80°SR Danfoss<br>0,60 GPH 80°SR Danfoss<br>0,65 GPH 80°SR Danfoss<br>0,75 GPH 80°SF Fluidics | 602 136<br>602 130<br>602 131<br>602 132<br>602 133<br>602 134<br>602 135<br>602 754                                  |                         |
|            | <b>WL5-B</b>  |   |                         |
|            | <b>Düsen Fabrikat Fluidics</b> Größe in US Gph bei 8 bar  |   |                         |
|            | <b>Typ SF - 45°</b>   |   |                         |
|            | 0,40 Vollstrahl<br>0,45<br>0,50<br>0,55<br>0,60<br>0,65<br>0,75<br>0,85<br>1,00<br>1,10   | 602 701<br>602 702<br>602 703<br>602 704<br>602 705<br>602 706<br>602 060<br>602 061<br>602 062<br>602 063            |                         |
|            | <b>Typ SF - 60°</b>   |   |                         |
|            | 0,40 Vollstrahl<br>0,45<br>0,50<br>0,55<br>0,60<br>0,65<br>0,75<br>0,85<br>1,00<br>1,25   | 602 741<br>602 742<br>602 743<br>602 744<br>602 745<br>602 746<br>602 070<br>602 071<br>602 072<br>602 074            |                         |
|            | <b>Typ HF - 45°</b>   |   |                         |
|            | 0,40 Hohlstrahl<br>0,45<br>0,60<br>0,50<br>0,55<br>0,65<br>0,75<br>0,85   | 602 677<br>602 678<br>602 681<br>602 679<br>602 680<br>602 682<br>602 683<br>602 684                                  |                         |
|            | <b>Typ HF - 60°</b>   |   |                         |
|            | 0,40 Hohlstrahl<br>0,45<br>0,50<br>0,55<br>0,60<br>0,65<br>0,75<br>0,85<br>1,00<br>1,10<br>1,25   | 602 725<br>602 720<br>602 726<br>602 721<br>602 727<br>602 722<br>602 723<br>602 724<br>602 728<br>602 729<br>602 730 |                         |
|            | <b>Düsen Fabrikat Steinen</b> Größe in US Gph bei 8 bar   |   |                         |
|            | <b>Typ ST - 60°</b>   |   |                         |
|            | 0,40 Vollstrahl<br>0,45<br>0,50<br>0,55   | 612 198<br>612 199<br>612 200<br>612 202  |                         |
|            | <b>Typ S - 60°</b>  |   |                         |
|            | 0,60 Vollstrahl<br>0,65<br>0,75<br>0,85<br>1,00<br>1,10<br>1,25   | 612 201<br>612 250<br>612 203<br>612 206<br>612 207<br>612 208<br>612 210   |                         |
|            | <b>Typ H - 60°</b>  |   |                         |
|            | 0,65 Hohlstrahl<br>0,75<br>0,85<br>1,00<br>1,10<br>1,25   | 612 512<br>612 513<br>612 514<br>612 517<br>612 518<br>612 519  |                         |
|            | <b>Typ HT - 60°</b>   |   |                         |
|            | 0,40 Hohlstrahl<br>0,45<br>0,50<br>0,55   | 612 350<br>612 351<br>612 352<br>612 353  |                         |



| No.          | Designation   |                         |  |
|--------------|---|-------------------------|--|
| <b>1.8</b>   | <b>Oil burner nozzles</b>   |                         |  |
|              | <b>WL5-PB-H purflam®</b><br>0.35 GPH 80°SR Danfoss<br>0.40 GPH 80°SR Danfoss<br>0.45 GPH 80°SR Danfoss<br>0.50 GPH 80°SR Danfoss<br>0.55 GPH 80°SR Danfoss<br>0.60 GPH 80°SR Danfoss<br>0.65 GPH 80°SR Danfoss<br>0.75 GPH 80°SF Fluidics |                         |  |
| <b>WL5-B</b> |   |                         |  |
|              | <b>Nozzle make Fluidics</b>   | size in US Gph at 8 bar |  |
|              | <b>Type SF - 45°</b>  | solid spray             |  |
|              | 0.40<br>0.45<br>0.50<br>0.55<br>0.60<br>0.65<br>0.75<br>0.85<br>1.00<br>1.10  |                         |  |
|              | <b>Type SF - 60°</b>  | solid spray             |  |
|              | 0.40<br>0.45<br>0.50<br>0.55<br>0.60<br>0.65<br>0.75<br>0.85<br>1.00<br>1.25  |                         |  |
|              | <b>Type HF - 45°</b>  | hollow spray            |  |
|              | 0.40<br>0.45<br>0.60<br>0.50<br>0.55<br>0.65<br>0.75<br>0.85  |                         |  |
|              | <b>Type HF - 60°</b>  | hollow spray            |  |
|              | 0.40<br>0.45<br>0.50<br>0.55<br>0.60<br>0.65<br>0.75<br>0.85<br>1.00<br>1.10<br>1.25  |                         |  |
|              | <b>Nozzle make Steinen</b>  | size in US Gph at 8 bar |  |
|              | <b>Type ST - 60°</b>  | solid spray             |  |
|              | 0.40<br>0.45<br>0.50<br>0.55  |                         |  |
|              | <b>Type S - 60°</b>   | solid spray             |  |
|              | 0.60<br>0.65<br>0.75<br>0.85<br>1.00<br>1.10<br>1.25  |                         |  |
|              | <b>Type H - 60°</b>   | hollow spray            |  |
|              | 0.65<br>0.75<br>0.85<br>1.00<br>1.10<br>1.25  |                         |  |
|              | <b>Type HT - 60°</b>  | hollow spray            |  |
|              | 0.40<br>0.45<br>0.50<br>0.55  |                         |  |

| No.          | Dénomination  |                          |  |
|--------------|---|--------------------------|--|
| <b>1.8</b>   | <b>Gicleurs fioul</b>   |                          |  |
|              | <b>WL5-PB-H purflam®</b><br>0,35 GPH 80°SR Danfoss<br>0,40 GPH 80°SR Danfoss<br>0,45 GPH 80°SR Danfoss<br>0,50 GPH 80°SR Danfoss<br>0,55 GPH 80°SR Danfoss<br>0,60 GPH 80°SR Danfoss<br>0,65 GPH 80°SR Danfoss<br>0,75 GPH 80°SF Fluidics |                          |  |
| <b>WL5-B</b> |   |                          |  |
|              | <b>Fabricant Fluidics</b>   | Taille en US Gph à 8 bar |  |
|              | <b>Type SF - 45°</b>  | Cône plein               |  |
|              | 0,40<br>0,45<br>0,50<br>0,55<br>0,60<br>0,65<br>0,75<br>0,85<br>1,00<br>1,10  |                          |  |
|              | <b>Type SF - 60°</b>  | Cône plein               |  |
|              | 0,40<br>0,45<br>0,50<br>0,55<br>0,60<br>0,65<br>0,75<br>0,85<br>1,00<br>1,25  |                          |  |
|              | <b>Type HF - 45°</b>  | Cône creux               |  |
|              | 0,40<br>0,45<br>0,60<br>0,50<br>0,55<br>0,65<br>0,75<br>0,85  |                          |  |
|              | <b>Type HF - 60°</b>  | Cône creux               |  |
|              | 0,40<br>0,45<br>0,50<br>0,55<br>0,60<br>0,65<br>0,75<br>0,85<br>1,00<br>1,10<br>1,25  |                          |  |
|              | <b>Fabricant Steinen</b>  | Taille en US Gph à 8 bar |  |
|              | <b>Type ST - 60°</b>  | Cône plein               |  |
|              | 0,40<br>0,45<br>0,50<br>0,55  |                          |  |
|              | <b>Type S - 60°</b>   | Cône plein               |  |
|              | 0,60<br>0,65<br>0,75<br>0,85<br>1,00<br>1,10<br>1,25  |                          |  |
|              | <b>Type H - 60°</b>   | Cône creux               |  |
|              | 0,65<br>0,75<br>0,85<br>1,00<br>1,10<br>1,25  |                          |  |
|              | <b>Type HT - 60°</b>  | Cône creux               |  |
|              | 0,40<br>0,45<br>0,50<br>0,55  |                          |  |

| Nr.  | Bezeichnung | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |
|--|-------------|--|-------------------------|
| <b>WL10-D / WL20-C</b>                                   |             |  |                         |
| <b>Düsen Fabrikat Steinen</b> Größe in US Gph bei 8 bar  |             |  |                         |
| <b>Typ S - 60°</b> Vollstrahl                            |             |  |                         |
| 0,60   |             | 612 201                                    |                         |
| 0,65   |             | 612 250                                    |                         |
| 0,75   |             | 612 203                                    |                         |
| 0,85   |             | 612 206                                    |                         |
| 1,00   |             | 612 207                                    |                         |
| 1,10   |             | 612 208                                    |                         |
| 1,25   |             | 612 210                                    |                         |
| 1,35   |             | 612 211                                    |                         |
| 1,50   |             | 612 212                                    |                         |
| 1,65   |             | 612 213                                    |                         |
| 1,75   |             | 612 214                                    |                         |
| 2,00   |             | 612 216                                    |                         |
| <b>Typ H - 60°</b> Hohlstrahl                            |             |  |                         |
| 0,65   |             | 612 512                                    |                         |
| 0,75   |             | 612 513                                    |                         |
| 0,85   |             | 612 514                                    |                         |
| 1,00   |             | 612 517                                    |                         |
| 1,10   |             | 612 518                                    |                         |
| 1,25   |             | 612 519                                    |                         |
| 1,35   |             | 612 520                                    |                         |
| 1,50   |             | 612 521                                    |                         |
| 1,65   |             | 612 522                                    |                         |
| 1,75   |             | 612 515                                    |                         |
| 2,00   |             | 612 516                                    |                         |
| <b>Düsen Fabrikat Fluidics</b> Größe in US Gph bei 8 bar |             |  |                         |
| <b>Typ SF - 45°</b> Vollstrahl                           |             |  |                         |
| 0,65   |             | 602 706                                    |                         |
| 0,75   |             | 602 060                                    |                         |
| 0,85   |             | 602 061                                    |                         |
| 1,00   |             | 602 062                                    |                         |
| 1,10   |             | 602 063                                    |                         |
| 1,25   |             | 602 064                                    |                         |
| 1,35   |             | 602 065                                    |                         |
| 1,50   |             | 602 066                                    |                         |
| 2,00   |             | 602 069                                    |                         |
| <b>Typ HF - 45°</b> Hohlstrahl                           |             |  |                         |
| 0,65   |             | 602 682                                    |                         |
| 0,75   |             | 602 683                                    |                         |
| 0,85   |             | 602 684                                    |                         |
| 1,00   |             | 602 710                                    |                         |
| 1,10   |             | 602 711                                    |                         |
| 1,25   |             | 602 713                                    |                         |
| 1,35   |             | 602 714                                    |                         |
| 1,50   |             | 602 715                                    |                         |
| 1,65   |             | 602 716                                    |                         |
| 1,75   |             | 602 717                                    |                         |
| 2,00   |             | 602 718                                    |                         |
| <b>Typ SF - 60°</b> Vollstrahl                           |             |  |                         |
| 0,75   |             | 602 070                                    |                         |
| 0,85   |             | 602 071                                    |                         |
| 1,00   |             | 602 072                                    |                         |
| 1,10   |             | 602 073                                    |                         |
| 1,25   |             | 602 074                                    |                         |
| 1,35   |             | 602 075                                    |                         |
| 1,50   |             | 602 076                                    |                         |
| 1,65   |             | 602 077                                    |                         |
| 1,75   |             | 602 078                                    |                         |
| 2,00   |             | 602 079                                    |                         |
| <b>Typ HF- 60°</b> Hohlstrahl                            |             |  |                         |
| 0,65   |             | 602 722                                    |                         |
| 0,75   |             | 602 723                                    |                         |
| 0,85   |             | 602 724                                    |                         |
| 1,00   |             | 602 728                                    |                         |
| 1,10   |             | 602 729                                    |                         |
| 1,25   |             | 602 730                                    |                         |
| 1,35   |             | 602 731                                    |                         |
| 1,50   |             | 602 732                                    |                         |
| 1,65   |             | 602 733                                    |                         |
| 1,75   |             | 602 734                                    |                         |
| 2,00   |             | 602 735                                    |                         |

| No. | Designation   |
|-----|---|
|     | <b>WL10-D / WL20-C</b>                              |
|     | <b>Nozzle make Steinen</b> size in US Gph at 8 bar  |
|     | <b>Type S - 60°</b> solid spray                     |
|     | 0.60  |
|     | 0.65  |
|     | 0.75  |
|     | 0.85  |
|     | 1.00  |
|     | 1.10  |
|     | 1.25  |
|     | 1.35  |
|     | 1.50  |
|     | 1.65  |
|     | 1.75  |
|     | 2.00  |
|     | <b>Type H - 60°</b> hollow spray                    |
|     | 0.65  |
|     | 0.75  |
|     | 0.85  |
|     | 1.00  |
|     | 1.10  |
|     | 1.25  |
|     | 1.35  |
|     | 1.50  |
|     | 1.65  |
|     | 1.75  |
|     | 2.00  |
|     | <b>Nozzle make Fluidics</b> size in US Gph at 8 bar |
|     | <b>Type SF - 45°</b> solid spray                    |
|     | 0.65  |
|     | 0.75  |
|     | 0.85  |
|     | 1.00  |
|     | 1.10  |
|     | 1.25  |
|     | 1.35  |
|     | 1.50  |
|     | 1.65  |
|     | 1.75  |
|     | 2.00  |
|     | <b>Type HF - 45°</b> hollow spray                   |
|     | 0.65  |
|     | 0.75  |
|     | 0.85  |
|     | 1.00  |
|     | 1.10  |
|     | 1.25  |
|     | 1.35  |
|     | 1.50  |
|     | 1.65  |
|     | 1.75  |
|     | 2.00  |
|     | <b>Type SF - 60°</b> solid spray                    |
|     | 0.75  |
|     | 0.85  |
|     | 1.00  |
|     | 1.10  |
|     | 1.25  |
|     | 1.35  |
|     | 1.50  |
|     | 1.65  |
|     | 1.75  |
|     | 2.00  |
|     | <b>Type HF - 60°</b> hollow spray                   |
|     | 0.65  |
|     | 0.75  |
|     | 0.85  |
|     | 1.00  |
|     | 1.10  |
|     | 1.25  |
|     | 1.35  |
|     | 1.50  |
|     | 1.65  |
|     | 1.75  |
|     | 2.00  |

| No. | Dénomination                                       |
|-----|--|
|     | <b>WL10-D / WL20-C</b>                             |
|     | <b>Fabricant Steinen</b> Taille en US Gph à 8 bar  |
|     | <b>Type S - 60°</b> Cône plein                     |
|     | 0,60   |
|     | 0,65   |
|     | 0,75   |
|     | 0,85   |
|     | 1,00   |
|     | 1,10   |
|     | 1,25   |
|     | 1,35   |
|     | 1,50   |
|     | 1,65   |
|     | 1,75   |
|     | 2,00   |
|     | <b>Type H - 60°</b> Cône creux                     |
|     | 0,65   |
|     | 0,75   |
|     | 0,85   |
|     | 1,00   |
|     | 1,10   |
|     | 1,25   |
|     | 1,35   |
|     | 1,50   |
|     | 1,65   |
|     | 1,75   |
|     | 2,00   |
|     | <b>Fabricant Fluidics</b> Taille en US Gph à 8 bar |
|     | <b>Type SF - 45°</b> Cône plein                    |
|     | 0,65   |
|     | 0,75   |
|     | 0,85   |
|     | 1,00   |
|     | 1,10   |
|     | 1,25   |
|     | 1,35   |
|     | 1,50   |
|     | 1,65   |
|     | 1,75   |
|     | 2,00   |
|     | <b>Type HF - 45°</b> Cône creux                    |
|     | 0,65   |
|     | 0,75   |
|     | 0,85   |
|     | 1,00   |
|     | 1,10   |
|     | 1,25   |
|     | 1,35   |
|     | 1,50   |
|     | 1,65   |
|     | 1,75   |
|     | 2,00   |
|     | <b>Type SF - 60°</b> Cône plein                    |
|     | 0,75   |
|     | 0,85   |
|     | 1,00   |
|     | 1,10   |
|     | 1,25   |
|     | 1,35   |
|     | 1,50   |
|     | 1,65   |
|     | 1,75   |
|     | 2,00   |
|     | <b>Type HF - 60°</b> Cône creux                    |
|     | 0,65   |
|     | 0,75   |
|     | 0,85   |
|     | 1,00   |
|     | 1,10   |
|     | 1,25   |
|     | 1,35   |
|     | 1,50   |
|     | 1,65   |
|     | 1,75   |
|     | 2,00   |

| Nr.                 | Bezeichnung  | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |
|---------------------|--|--|-------------------------|
| <b>WL20-C</b>       |  |  |                         |
|                     | <b>Düsen Fabrikat Fluidics</b> Größe in US Gph bei 8 bar |  |                         |
|                     | <b>Typ SF - 60°</b> Vollstrahl                           |  |                         |
|                     | 1,00   | 602 072                                    |                         |
|                     | 1,10   | 602 073                                    |                         |
|                     | 1,25   | 602 074                                    |                         |
|                     | 1,35   | 602 075                                    |                         |
|                     | 1,50   | 602 076                                    |                         |
|                     | 1,65   | 602 077                                    |                         |
|                     | 1,75   | 602 078                                    |                         |
|                     | 2,00   | 602 079                                    |                         |
|                     | 2,25   | 602 080                                    |                         |
|                     | 2,50   | 602 081                                    |                         |
|                     | <b>Typ SF - 45°</b> Vollstrahl                           |  |                         |
|                     | 2,25   | 602 058                                    |                         |
|                     | 2,50   | 602 059                                    |                         |
|                     | <b>Düsen Fabrikat Steinen</b> Größe in US Gph bei 8 bar  |  |                         |
|                     | <b>Typ S - 60°</b> Vollstrahl                            |  |                         |
|                     | 0,75   | 612 203                                    |                         |
|                     | 0,85   | 612 206                                    |                         |
|                     | 1,00   | 612 207                                    |                         |
|                     | 1,25   | 612 210                                    |                         |
|                     | 1,35   | 612 211                                    |                         |
|                     | 1,50   | 612 212                                    |                         |
|                     | 1,65   | 612 213                                    |                         |
|                     | 1,75   | 612 214                                    |                         |
|                     | 2,00   | 612 216                                    |                         |
|                     | 2,25   | 612 217                                    |                         |
| <b>WL30 / WGL30</b> |  |  |                         |
|                     | <b>Düsen Fabrikat Fluidics</b> Größe in US Gph bei 8 bar |  |                         |
|                     | <b>Typ HF - 45°</b> Hohlstrahl                           |  |                         |
|                     | 1,00/45  | 602 710                                    |                         |
|                     | 1,35   | 602 714                                    |                         |
|                     | 1,50   | 602 715                                    |                         |
|                     | 1,75   | 602 717                                    |                         |
|                     | 2,00   | 602 718                                    |                         |
|                     | 2,25   | 602 719                                    |                         |
|                     | 2,50   | 602 685                                    |                         |
|                     | 2,75   | 602 686                                    |                         |
|                     | 3,00   | 602 687                                    |                         |
|                     | 3,50   | 602 688                                    |                         |
|                     | 4,00   | 602 689                                    |                         |
|                     | 4,50   | 602 690                                    |                         |
|                     | 5,00   | 602 692                                    |                         |
|                     | 5,50   | 602 691                                    |                         |
|                     | <b>Typ HF - 60°</b> Hohlstrahl                           |  |                         |
|                     | 3,00   | 602 739                                    |                         |
|                     | 3,50   | 602 760                                    |                         |
|                     | 4,00   | 602 761                                    |                         |
|                     | 4,50   | 602 762                                    |                         |
|                     | 5,00   | 602 763                                    |                         |
|                     | 5,50   | 602 764                                    |                         |

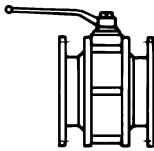
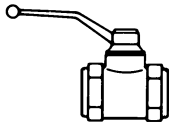
| No. | Designation   |
|-----|---|
|     | <b>WL20-C</b>                                       |
|     | <b>Nozzle make Fluidics</b> size in US Gph at 8 bar |
|     | <b>Type SF - 60°</b> solid spray                    |
|     | 1.00  |
|     | 1.10  |
|     | 1.25  |
|     | 1.35  |
|     | 1.50  |
|     | 1.65  |
|     | 1.75  |
|     | 2.00  |
|     | 2.25  |
|     | 2.50  |
|     | <b>Type SF - 45°</b> solid spray                    |
|     | 2.25  |
|     | 2.50  |
|     | <b>Nozzle make Steinen</b> size in US Gph at 8 bar  |
|     | <b>Type S - 60°</b> solid spray                     |
|     | 0.75  |
|     | 0.85  |
|     | 1.00  |
|     | 1.25  |
|     | 1.35  |
|     | 1.50  |
|     | 1.65  |
|     | 1.75  |
|     | 2.00  |
|     | 2.25  |
|     | <b>WL30 / WGL30</b>                                 |
|     | <b>Nozzle make Fluidics</b> size in US Gph at 8 bar |
|     | <b>Type HF - 45°</b> hollow spray                   |
|     | 1.00/45   |
|     | 1.35  |
|     | 1.50  |
|     | 1.75  |
|     | 2.00  |
|     | 2.25  |
|     | 2.50  |
|     | 2.75  |
|     | 3.00  |
|     | 3.50  |
|     | 4.00  |
|     | 4.50  |
|     | 5.00  |
|     | 5.50  |
|     | <b>Type HF - 60°</b> hollow spray                   |
|     | 3.00  |
|     | 3.50  |
|     | 4.00  |
|     | 4.50  |
|     | 5.00  |
|     | 5.50  |

| No. | Dénomination                                       |
|-----|--|
|     | <b>WL20-C</b>                                      |
|     | <b>Fabricant Fluidics</b> Taille en US Gph à 8 bar |
|     | <b>Type SF - 60°</b> Cône plein                    |
|     | 1,00   |
|     | 1,10   |
|     | 1,25   |
|     | 1,35   |
|     | 1,50   |
|     | 1,65   |
|     | 1,75   |
|     | 2,00   |
|     | 2,25   |
|     | 2,50   |
|     | <b>Type SF - 45°</b> Cône plein                    |
|     | 2,25   |
|     | 2,50   |
|     | <b>Fabricant Steinen</b> Taille en US Gph à 8 bar  |
|     | <b>Type S - 60°</b> Cône plein                     |
|     | 0,75   |
|     | 0,85   |
|     | 1,00   |
|     | 1,25   |
|     | 1,35   |
|     | 1,50   |
|     | 1,65   |
|     | 1,75   |
|     | 2,00   |
|     | 2,25   |
|     | <b>WL30 / WGL30</b>                                |
|     | <b>Fabricant Fluidics</b> Taille en US Gph à 8 bar |
|     | <b>Type HF - 45°</b> Cône creux                    |
|     | 1,00/45  |
|     | 1,35   |
|     | 1,50   |
|     | 1,75   |
|     | 2,00   |
|     | 2,25   |
|     | 2,50   |
|     | 2,75   |
|     | 3,00   |
|     | 3,50   |
|     | 4,00   |
|     | 4,50   |
|     | 5,00   |
|     | 5,50   |
|     | <b>Type HF - 60°</b> Cône creux                    |
|     | 3,00   |
|     | 3,50   |
|     | 4,00   |
|     | 4,50   |
|     | 5,00   |
|     | 5,50   |

| Nr.  | Bezeichnung | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |
|--|-------------|--|-------------------------|
| <b>WL40 / WGL40</b>                                      |             |  |                         |
| <b>Düsen Fabrikat Fluidics</b> Größe in US Gph bei 8 bar |             |  |                         |
| <b>Typ HF - 45°</b> Hohlstrahl                           |             |  |                         |
|  | 1,35        | 602 714                                    |                         |
|  | 1,50        | 602 715                                    |                         |
|  | 1,75        | 602 717                                    |                         |
|  | 2,00        | 602 718                                    |                         |
|  | 2,25        | 602 719                                    |                         |
|  | 2,50        | 602 685                                    |                         |
|  | 2,75        | 602 686                                    |                         |
|  | 3,00        | 602 687                                    |                         |
|  | 3,50        | 602 688                                    |                         |
|  | 4,00        | 602 689                                    |                         |
|  | 4,50        | 602 690                                    |                         |
|  | 5,00        | 602 692                                    |                         |
|  | 5,50        | 602 691                                    |                         |
| <b>Typ HF - 60°</b> Hohlstrahl                           |             |  |                         |
|  | 3,00        | 602 739                                    |                         |
|  | 3,50        | 602 760                                    |                         |
|  | 4,00        | 602 761                                    |                         |
|  | 4,50        | 602 762                                    |                         |
|  | 5,00        | 602 763                                    |                         |
|  | 5,50        | 602 764                                    |                         |
| <b>Düsen Fabrikat Steinen</b> Größe in US Gph bei 8 bar  |             |  |                         |
| <b>Typ S - 60°</b> Vollstrahl                            |             |  |                         |
|  | 2,00        | 612 216                                    |                         |
|  | 2,25        | 612 217                                    |                         |
|  | 2,50        | 612 251                                    |                         |
|  | 2,75        | 612 218                                    |                         |
|  | 3,00        | 612 219                                    |                         |
|  | 3,50        | 612 220                                    |                         |
|  | 4,00        | 612 221                                    |                         |
| <b>Typ SS - 45°</b> Halbvollstrahl                       |             |  |                         |
|  | 4,50        | 612 023                                    |                         |
|  | 5,00        | 612 024                                    |                         |
|  | 5,50        | 612 025                                    |                         |
|  | 6,00        | 612 026                                    |                         |
| <b>Typ SS - 60°</b> Halbvollstrahl                       |             |  |                         |
|  | 4,50        | 612 222                                    |                         |
|  | 5,00        | 612 223                                    |                         |
|  | 5,50        | 612 224                                    |                         |
|  | 6,00        | 612 225                                    |                         |

| No. | Designation   |
|-----|---|
|     | <b>WL40 / WGL40</b>                                 |
|     | <b>Nozzle make Fluidics</b> size in US Gph at 8 bar |
|     | <b>Type HF - 45°</b> hollow spray                   |
|     | 1.35  |
|     | 1.50  |
|     | 1.75  |
|     | 2.00  |
|     | 2.25  |
|     | 2.50  |
|     | 2.75  |
|     | 3.00  |
|     | 3.50  |
|     | 4.00  |
|     | 4.50  |
|     | 5.00  |
|     | 5.50  |
|     | <b>Type HF - 60°</b> hollow spray                   |
|     | 3.00  |
|     | 3.50  |
|     | 4.00  |
|     | 4.50  |
|     | 5.00  |
|     | 5.50  |
|     | <b>Nozzle make Steinen</b> size in US Gph at 8 bar  |
|     | <b>Type S - 60°</b> solid spray                     |
|     | 2.00  |
|     | 2.25  |
|     | 2.50  |
|     | 2.75  |
|     | 3.00  |
|     | 3.50  |
|     | 4.00  |
|     | <b>Type SS - 45°</b> semi-solid spray               |
|     | 4.50  |
|     | 5.00  |
|     | 5.50  |
|     | 6.00  |
|     | <b>Type SS - 60°</b> semi-solid spray               |
|     | 4.50  |
|     | 5.00  |
|     | 5.50  |
|     | 6.00  |

| No. | Dénomination  |
|-----|---|
|     | <b>WL40 / WGL40</b>                                   |
|     | <b>Fabricant Fluidics</b> Taille en in US Gph à 8 bar |
|     | <b>Type HF - 45°</b> Cône creux                       |
|     | 1,35  |
|     | 1,50  |
|     | 1,75  |
|     | 2,00  |
|     | 2,25  |
|     | 2,50  |
|     | 2,75  |
|     | 3,00  |
|     | 3,50  |
|     | 4,00  |
|     | 4,50  |
|     | 5,00  |
|     | 5,50  |
|     | <b>Type HF - 60°</b> Cône creux                       |
|     | 3,00  |
|     | 3,50  |
|     | 4,00  |
|     | 4,50  |
|     | 5,00  |
|     | 5,50  |
|     | <b>Fabricant Steinen</b> Taille en US Gph à 8 bar     |
|     | <b>Type S - 60°</b> Cône plein                        |
|     | 2,00  |
|     | 2,25  |
|     | 2,50  |
|     | 2,75  |
|     | 3,00  |
|     | 3,50  |
|     | 4,00  |
|     | <b>Type SS - 45°</b> Cône 1/2 plein                   |
|     | 4,50  |
|     | 5,00  |
|     | 5,50  |
|     | 6,00  |
|     | <b>Type SS - 60°</b> Cône 1/2 plein                   |
|     | 4,50  |
|     | 5,00  |
|     | 5,50  |
|     | 6,00  |



2.101 - 2.105

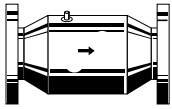
2.102  
2.104

| Nr.        | Bezeichnung  | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |
|------------|--|--|-------------------------|
| <b>2.</b>  | <b>Zubehör Gasbrenner</b>  |  |                         |
| <b>2.1</b> | <b>Kugelhähne</b>  |  |                         |
|            | <b>Ausführung Standard</b>   |  |                         |
| 2.101      | <b>Kugelhahn</b> mit Innengewinde nach DIN EN331, Dichtung Teflon, Gehäuse Messing   |  |                         |
|            | Typ DN max. Betriebsdruck  |  |                         |
|            | 984-D Rp 1/4 MOP 5   | 454 657                                    |                         |
|            | 984-D Rp 3/8 MOP 5   | 454 658                                    |                         |
|            | 984-D Rp 1/2 MOP 5   | 454 659                                    |                         |
|            | 984-D Rp 3/4 MOP 5   | 454 660                                    |                         |
|            | 984-D Rp 1 MOP 5   | 454 661                                    |                         |
|            | 984-D Rp 1 1/4 MOP 5   | 454 662                                    |                         |
|            | 984-D Rp 1 1/2 MOP 5   | 454 663                                    |                         |
|            | 984-D Rp 2 MOP 5   | 454 664                                    |                         |
| 2.102      | <b>Kugelhahn</b> geflanscht nach DIN EN 13774, Dichtung Teflon, Gehäuse GGG40, Kugel GG 25   |  |                         |
|            | Typ DN max. Betriebsdruck  |  |                         |
|            | KSN 75-B 25 PN 16  | 151 331 26 742                             |                         |
|            | KSN 75-B 40 PN 16  | 151 331 26 752                             |                         |
|            | KSN 75-B 50 PN 16  | 151 331 26 762                             |                         |
|            | KSN 75-B 65 PN 16  | 151 331 26 772                             |                         |
|            | KSN 75-B 80 PN 16  | 151 331 26 782                             |                         |
|            | KSN 75-B 100 PN 16   | 151 331 26 792                             |                         |
|            | KSN 75-B 125 * PN 16   | 151 331 26 802                             |                         |
|            | KSN 75-B 150 * PN 16   | 151 331 26 812                             |                         |
|            | Zum Lieferumfang gehören: Schrauben, Muttern und Dichtung für eine Trennstelle<br>* Hinweise im technischen Arbeitsblatt 7-2.3 Blatt 1 beachten! |  |                         |
| 2.103      | <b>Kugelhahn</b> mit thermischer Absperrereinrichtung<br><b>Standardtypen</b>  |  |                         |
|            | Typ DN max. Betriebsdruck  |  |                         |
|            | 998 NG-1/2-CE-TAE Rp 1/2 GT 1  | 454 595                                    |                         |
|            | 998 NG-3/4-CE-TAE Rp 3/4 GT 1  | 454 596                                    |                         |
|            | 998 NG-1-CE-TAE Rp 1 GT 1  | 454 597                                    |                         |
|            | 984-1 1/2-CE-TAE Rp 1 1/2 MOP 5  | 454 911                                    |                         |
|            | 984-2-CE-TAE Rp 2 MOP 5  | 454 912                                    |                         |
|            | <b>Ausführung Klär- und Biogas</b>   |  |                         |
|            | <b>Ausführung Klär- und Biogas</b> (Dichtung Teflon und Viton, Gehäuse Edelstahl)  |  |                         |
|            | Typ DN max. Betriebsdruck  |  |                         |
|            | 87 E-3/4 Rp 3/4 PN 16  | 454 012                                    |                         |
|            | 87 E-1 Rp 1 PN 16  | 454 013                                    |                         |
|            | 87 E1 1/2 Rp 1 1/2 PN 16   | 454 014                                    |                         |
|            | 87 E-2 Rp 2 PN 16  | 454 015                                    |                         |
| 2.104      | <b>Ausführung Klär- und Biogas</b><br><b>Kugelhahn</b> geflanscht nach DIN EN 13774, Dichtung Teflon, Gehäuse GGG40, Kugel Edelstahl             |  |                         |
|            | Typ DN max. Betriebsdruck  |  |                         |
|            | KSN 75-F 25 PN 16  | 151 327 26 552                             |                         |
|            | KSN 75-F 40 PN 16  | 151 330 26 602                             |                         |
|            | KSN 75-F 50 PN 16  | 151 330 26 612                             |                         |
|            | KSN 75-F 65 PN 16  | 151 330 26 622                             |                         |
|            | KSN 75-F 80 PN 16  | 151 330 26 632                             |                         |
|            | KSN 75-F 100 PN 16   | 151 330 26 642                             |                         |
|            | KSN 75-F 125 * PN 16   | 151 330 26 652                             |                         |
|            | KSN 75-F 150 * PN 16   | 151 330 26 662                             |                         |
|            | Zum Lieferumfang gehören: Schrauben, Muttern und Dichtung für eine Trennstelle<br>* Hinweise im technischen Arbeitsblatt 7-2.3 Blatt 2 beachten! |  |                         |
| 2.105      | <b>Ausführung Klär- und Biogas</b> (Dichtung Teflon) Gehäuse Edelstahl, mit thermischer Absperrereinrichtung                                     |  |                         |
|            | Typ DN max. Betriebsdruck  |  |                         |
|            | 87-E-1-TAE Rp 1 PN 5   | 454 634                                    |                         |
|            | 87-E-1 1/2-TAE Rp 1 1/2 PN 5   | 454 635                                    |                         |
|            | 87-E-2-TAE Rp 2 PN 5   | 454 636                                    |                         |

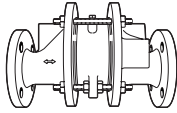


| No.               | Designation   |                         |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
|-------------------|---|-------------------------|----|-------------------------|-------------------|--------|-------|-------------------|----------|-------|-----------------|--------|-------|------------------|----------|-------|--------------|------|-------|-------------|----------|-------------------------|-------------|----------|-------|----------|-------|-------|-----------|----------|-------|--------|------|-------|
| <b>2.</b>         | <b>Gas burner accessories</b>   |                         |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| <b>2.1</b>        | <b>Ball valves</b>  |                         |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
|                   | <u>Standard version</u>   |                         |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 2.101             | <p><b>Ball valve</b> with internal thread, to DIN EN331, Teflon seal, brass housing</p> <table border="0"> <thead> <tr> <th>Type</th> <th>DN</th> <th>max. operating pressure</th> </tr> </thead> <tbody> <tr> <td>84-1/4-CE</td> <td>Rp 1/4</td> <td>MOP 5</td> </tr> <tr> <td>84-3/8-CE</td> <td>Rp 3/8</td> <td>MOP 5</td> </tr> <tr> <td>84-1/2-CE</td> <td>Rp 1/2</td> <td>MOP 5</td> </tr> <tr> <td>84-3/4-CE</td> <td>Rp 3/4</td> <td>MOP 5</td> </tr> <tr> <td>84-1-CE</td> <td>Rp 1</td> <td>MOP 5</td> </tr> <tr> <td>84-1 1/4-CE</td> <td>Rp 1 1/4</td> <td>MOP 5</td> </tr> <tr> <td>84-1 1/2-CE</td> <td>Rp 1 1/2</td> <td>MOP 5</td> </tr> <tr> <td>84-2-CE</td> <td>Rp 2</td> <td>MOP 5</td> </tr> </tbody> </table>   | Type                    | DN | max. operating pressure | 84-1/4-CE         | Rp 1/4 | MOP 5 | 84-3/8-CE         | Rp 3/8   | MOP 5 | 84-1/2-CE       | Rp 1/2 | MOP 5 | 84-3/4-CE        | Rp 3/4   | MOP 5 | 84-1-CE      | Rp 1 | MOP 5 | 84-1 1/4-CE | Rp 1 1/4 | MOP 5                   | 84-1 1/2-CE | Rp 1 1/2 | MOP 5 | 84-2-CE  | Rp 2  | MOP 5 |           |          |       |        |      |       |
| Type              | DN  | max. operating pressure |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 84-1/4-CE         | Rp 1/4  | MOP 5                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 84-3/8-CE         | Rp 3/8  | MOP 5                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 84-1/2-CE         | Rp 1/2  | MOP 5                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 84-3/4-CE         | Rp 3/4  | MOP 5                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 84-1-CE           | Rp 1  | MOP 5                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 84-1 1/4-CE       | Rp 1 1/4  | MOP 5                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 84-1 1/2-CE       | Rp 1 1/2  | MOP 5                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 84-2-CE           | Rp 2  | MOP 5                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 2.102             | <p><b>Ball valve</b> flanged to DIN EN 13774, Teflon gasket, housing GGG40, ball GG 25</p> <table border="0"> <thead> <tr> <th>Type</th> <th>DN</th> <th>max. operating pressure</th> </tr> </thead> <tbody> <tr> <td>KSN 75-B</td> <td>25</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-B</td> <td>40</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-B</td> <td>50</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-B</td> <td>65</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-B</td> <td>80</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-B</td> <td>100</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-B</td> <td>125 *</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-B</td> <td>150 *</td> <td>PN 16</td> </tr> </tbody> </table> <p>Included in delivery: screws, nuts and seals for one connection point.<br/>* Please observe note in technical worksheet 7-2.3 sheet 1!</p>   | Type                    | DN | max. operating pressure | KSN 75-B          | 25     | PN 16 | KSN 75-B          | 40       | PN 16 | KSN 75-B        | 50     | PN 16 | KSN 75-B         | 65       | PN 16 | KSN 75-B     | 80   | PN 16 | KSN 75-B    | 100      | PN 16                   | KSN 75-B    | 125 *    | PN 16 | KSN 75-B | 150 * | PN 16 |           |          |       |        |      |       |
| Type              | DN  | max. operating pressure |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-B          | 25  | PN 16                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-B          | 40  | PN 16                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-B          | 50  | PN 16                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-B          | 65  | PN 16                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-B          | 80  | PN 16                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-B          | 100   | PN 16                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-B          | 125 *   | PN 16                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-B          | 150 *   | PN 16                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 2.103             | <p><b>Ball valve</b> with thermal shut off device</p> <p><b>Standard types</b></p> <table border="0"> <thead> <tr> <th>Type</th> <th>DN</th> <th>max. operating pressure</th> </tr> </thead> <tbody> <tr> <td>998 NG-1/2-CE-TAE</td> <td>Rp 1/2</td> <td>GT 1</td> </tr> <tr> <td>998 NG-3/4-CE-TAE</td> <td>Rp 3/4</td> <td>GT 1</td> </tr> <tr> <td>998 NG-1-CE-TAE</td> <td>Rp 1</td> <td>GT 1</td> </tr> <tr> <td>984-1 1/2-CE-TAE</td> <td>Rp 1 1/2</td> <td>MOP 5</td> </tr> <tr> <td>984-2-CE-TAE</td> <td>Rp 2</td> <td>MOP 5</td> </tr> </tbody> </table> <p><u>Sewage and biogas version</u></p> <p><b>Sewage and biogas version</b> (Teflon seal and Viton) housing stainless steel</p> <table border="0"> <thead> <tr> <th>Type</th> <th>DN</th> <th>max. operating pressure</th> </tr> </thead> <tbody> <tr> <td>87 E-3/4</td> <td>Rp 3/4</td> <td>PN 16</td> </tr> <tr> <td>87 E-1</td> <td>Rp 1</td> <td>PN 16</td> </tr> <tr> <td>87 E1 1/2</td> <td>Rp 1 1/2</td> <td>PN 16</td> </tr> <tr> <td>87 E-2</td> <td>Rp 2</td> <td>PN 16</td> </tr> </tbody> </table> | Type                    | DN | max. operating pressure | 998 NG-1/2-CE-TAE | Rp 1/2 | GT 1  | 998 NG-3/4-CE-TAE | Rp 3/4   | GT 1  | 998 NG-1-CE-TAE | Rp 1   | GT 1  | 984-1 1/2-CE-TAE | Rp 1 1/2 | MOP 5 | 984-2-CE-TAE | Rp 2 | MOP 5 | Type        | DN       | max. operating pressure | 87 E-3/4    | Rp 3/4   | PN 16 | 87 E-1   | Rp 1  | PN 16 | 87 E1 1/2 | Rp 1 1/2 | PN 16 | 87 E-2 | Rp 2 | PN 16 |
| Type              | DN  | max. operating pressure |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 998 NG-1/2-CE-TAE | Rp 1/2  | GT 1                    |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 998 NG-3/4-CE-TAE | Rp 3/4  | GT 1                    |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 998 NG-1-CE-TAE   | Rp 1  | GT 1                    |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 984-1 1/2-CE-TAE  | Rp 1 1/2  | MOP 5                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 984-2-CE-TAE      | Rp 2  | MOP 5                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| Type              | DN  | max. operating pressure |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 87 E-3/4          | Rp 3/4  | PN 16                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 87 E-1            | Rp 1  | PN 16                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 87 E1 1/2         | Rp 1 1/2  | PN 16                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 87 E-2            | Rp 2  | PN 16                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 2.104             | <p><b>Version sewage and bio gas</b></p> <p><b>Ball valve</b> flanged to DIN 13774, Teflon gasket, housing GGG40, ball stainless steel</p> <table border="0"> <thead> <tr> <th>Type</th> <th>DN</th> <th>max. operating pressure</th> </tr> </thead> <tbody> <tr> <td>KSN 75-F</td> <td>25</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-F</td> <td>40</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-F</td> <td>50</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-F</td> <td>65</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-F</td> <td>80</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-F</td> <td>100</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-F</td> <td>125 *</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-F</td> <td>150 *</td> <td>PN 16</td> </tr> </tbody> </table> <p>Included in delivery are:screws, nuts and seals for one connection point<br/>* Please observe note in technical worksheet 7-2.3 sheet 2!</p>   | Type                    | DN | max. operating pressure | KSN 75-F          | 25     | PN 16 | KSN 75-F          | 40       | PN 16 | KSN 75-F        | 50     | PN 16 | KSN 75-F         | 65       | PN 16 | KSN 75-F     | 80   | PN 16 | KSN 75-F    | 100      | PN 16                   | KSN 75-F    | 125 *    | PN 16 | KSN 75-F | 150 * | PN 16 |           |          |       |        |      |       |
| Type              | DN  | max. operating pressure |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-F          | 25  | PN 16                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-F          | 40  | PN 16                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-F          | 50  | PN 16                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-F          | 65  | PN 16                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-F          | 80  | PN 16                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-F          | 100   | PN 16                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-F          | 125 *   | PN 16                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-F          | 150 *   | PN 16                   |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 2.105             | <p><b>Version sewage and bio gas</b> (Teflon seal) housing stainless steel, with thermal shut off device</p> <table border="0"> <thead> <tr> <th>Type</th> <th>DN</th> <th>max. operating pressure</th> </tr> </thead> <tbody> <tr> <td>87-E-1-TAE</td> <td>Rp 1</td> <td>PN 5</td> </tr> <tr> <td>87-E-1 1/2-TAE</td> <td>Rp 1 1/2</td> <td>PN 5</td> </tr> <tr> <td>87-E-2-TAE</td> <td>Rp 2</td> <td>PN 5</td> </tr> </tbody> </table>   | Type                    | DN | max. operating pressure | 87-E-1-TAE        | Rp 1   | PN 5  | 87-E-1 1/2-TAE    | Rp 1 1/2 | PN 5  | 87-E-2-TAE      | Rp 2   | PN 5  |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| Type              | DN  | max. operating pressure |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 87-E-1-TAE        | Rp 1  | PN 5                    |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 87-E-1 1/2-TAE    | Rp 1 1/2  | PN 5                    |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |
| 87-E-2-TAE        | Rp 2  | PN 5                    |    |                         |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                         |             |          |       |          |       |       |           |          |       |        |      |       |

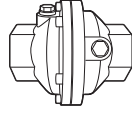
| No.               | Dénomination  |                          |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
|-------------------|---|--------------------------|----|--------------------------|-------------------|--------|-------|-------------------|----------|-------|-----------------|--------|-------|------------------|----------|-------|--------------|------|-------|-------------|----------|--------------------------|-------------|----------|-------|----------|-------|-------|-----------|----------|-------|--------|------|-------|
| <b>2.</b>         | <b>Accessoires brûleur gaz</b>  |                          |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| <b>2.1</b>        | <b>Robinets à bille</b>   |                          |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
|                   | <u>Exécution standard</u>   |                          |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 2.101             | <p><b>Robinet à bille</b> avec filetage int. selon DIN EN331, joint Teflon</p> <table border="0"> <thead> <tr> <th>Type</th> <th>DN</th> <th>pression de service max.</th> </tr> </thead> <tbody> <tr> <td>84-1/4-CE</td> <td>Rp 1/4</td> <td>MOP 5</td> </tr> <tr> <td>84-3/8-CE</td> <td>Rp 3/8</td> <td>MOP 5</td> </tr> <tr> <td>84-1/2-CE</td> <td>Rp 1/2</td> <td>MOP 5</td> </tr> <tr> <td>84-3/4-CE</td> <td>Rp 3/4</td> <td>MOP 5</td> </tr> <tr> <td>84-1-CE</td> <td>Rp 1</td> <td>MOP 5</td> </tr> <tr> <td>84-1 1/4-CE</td> <td>Rp 1 1/4</td> <td>MOP 5</td> </tr> <tr> <td>84-1 1/2-CE</td> <td>Rp 1 1/2</td> <td>MOP 5</td> </tr> <tr> <td>84-2-CE</td> <td>Rp 2</td> <td>MOP 5</td> </tr> </tbody> </table>   | Type                     | DN | pression de service max. | 84-1/4-CE         | Rp 1/4 | MOP 5 | 84-3/8-CE         | Rp 3/8   | MOP 5 | 84-1/2-CE       | Rp 1/2 | MOP 5 | 84-3/4-CE        | Rp 3/4   | MOP 5 | 84-1-CE      | Rp 1 | MOP 5 | 84-1 1/4-CE | Rp 1 1/4 | MOP 5                    | 84-1 1/2-CE | Rp 1 1/2 | MOP 5 | 84-2-CE  | Rp 2  | MOP 5 |           |          |       |        |      |       |
| Type              | DN  | pression de service max. |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 84-1/4-CE         | Rp 1/4  | MOP 5                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 84-3/8-CE         | Rp 3/8  | MOP 5                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 84-1/2-CE         | Rp 1/2  | MOP 5                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 84-3/4-CE         | Rp 3/4  | MOP 5                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 84-1-CE           | Rp 1  | MOP 5                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 84-1 1/4-CE       | Rp 1 1/4  | MOP 5                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 84-1 1/2-CE       | Rp 1 1/2  | MOP 5                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 84-2-CE           | Rp 2  | MOP 5                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 2.102             | <p><b>Robinet à bille</b> à brides selon DIN EN 13774, joint Teflon, corps GGG40, roulement GG 25</p> <table border="0"> <thead> <tr> <th>Type</th> <th>DN</th> <th>pression de service max.</th> </tr> </thead> <tbody> <tr> <td>KSN 75-B</td> <td>25</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-B</td> <td>40</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-B</td> <td>50</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-B</td> <td>65</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-B</td> <td>80</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-B</td> <td>100</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-B</td> <td>125 *</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-B</td> <td>150 *</td> <td>PN 16</td> </tr> </tbody> </table> <p>La fourniture comprend : vis, écrous et joints pour une liaison<br/>* Tenir compte des remarques dans la fiche technique 7-2.3 feuillet 1 !</p>  | Type                     | DN | pression de service max. | KSN 75-B          | 25     | PN 16 | KSN 75-B          | 40       | PN 16 | KSN 75-B        | 50     | PN 16 | KSN 75-B         | 65       | PN 16 | KSN 75-B     | 80   | PN 16 | KSN 75-B    | 100      | PN 16                    | KSN 75-B    | 125 *    | PN 16 | KSN 75-B | 150 * | PN 16 |           |          |       |        |      |       |
| Type              | DN  | pression de service max. |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-B          | 25  | PN 16                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-B          | 40  | PN 16                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-B          | 50  | PN 16                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-B          | 65  | PN 16                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-B          | 80  | PN 16                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-B          | 100   | PN 16                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-B          | 125 *   | PN 16                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-B          | 150 *   | PN 16                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 2.103             | <p><b>Robinet à bille</b> avec sécurité thermique</p> <p><b>Types standards</b></p> <table border="0"> <thead> <tr> <th>Type</th> <th>DN</th> <th>pression de service max.</th> </tr> </thead> <tbody> <tr> <td>998 NG-1/2-CE-TAE</td> <td>Rp 1/2</td> <td>GT 1</td> </tr> <tr> <td>998 NG-3/4-CE-TAE</td> <td>Rp 3/4</td> <td>GT 1</td> </tr> <tr> <td>998 NG-1-CE-TAE</td> <td>Rp 1</td> <td>GT 1</td> </tr> <tr> <td>984-1 1/2-CE-TAE</td> <td>Rp 1 1/2</td> <td>MOP 5</td> </tr> <tr> <td>984-2-CE-TAE</td> <td>Rp 2</td> <td>MOP 5</td> </tr> </tbody> </table> <p><u>Exécution biogaz</u></p> <p><b>Exécution biogaz</b> (joint Téflon et Viton) corps inox</p> <table border="0"> <thead> <tr> <th>Type</th> <th>DN</th> <th>pression de service max.</th> </tr> </thead> <tbody> <tr> <td>87 E-3/4</td> <td>Rp 3/4</td> <td>PN 16</td> </tr> <tr> <td>87 E-1</td> <td>Rp 1</td> <td>PN 16</td> </tr> <tr> <td>87 E1 1/2</td> <td>Rp 1 1/2</td> <td>PN 16</td> </tr> <tr> <td>87 E-2</td> <td>Rp 2</td> <td>PN 16</td> </tr> </tbody> </table> | Type                     | DN | pression de service max. | 998 NG-1/2-CE-TAE | Rp 1/2 | GT 1  | 998 NG-3/4-CE-TAE | Rp 3/4   | GT 1  | 998 NG-1-CE-TAE | Rp 1   | GT 1  | 984-1 1/2-CE-TAE | Rp 1 1/2 | MOP 5 | 984-2-CE-TAE | Rp 2 | MOP 5 | Type        | DN       | pression de service max. | 87 E-3/4    | Rp 3/4   | PN 16 | 87 E-1   | Rp 1  | PN 16 | 87 E1 1/2 | Rp 1 1/2 | PN 16 | 87 E-2 | Rp 2 | PN 16 |
| Type              | DN  | pression de service max. |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 998 NG-1/2-CE-TAE | Rp 1/2  | GT 1                     |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 998 NG-3/4-CE-TAE | Rp 3/4  | GT 1                     |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 998 NG-1-CE-TAE   | Rp 1  | GT 1                     |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 984-1 1/2-CE-TAE  | Rp 1 1/2  | MOP 5                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 984-2-CE-TAE      | Rp 2  | MOP 5                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| Type              | DN  | pression de service max. |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 87 E-3/4          | Rp 3/4  | PN 16                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 87 E-1            | Rp 1  | PN 16                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 87 E1 1/2         | Rp 1 1/2  | PN 16                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 87 E-2            | Rp 2  | PN 16                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 2.104             | <p><b>Exécution biogaz</b></p> <p><b>Robinet à bille</b> à brides selon DIN 13774, joint Teflon, corps GGG40, roulement acier</p> <table border="0"> <thead> <tr> <th>Type</th> <th>DN</th> <th>pression de service max.</th> </tr> </thead> <tbody> <tr> <td>KSN 75-F</td> <td>25</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-F</td> <td>40</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-F</td> <td>50</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-F</td> <td>65</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-F</td> <td>80</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-F</td> <td>100</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-F</td> <td>125 *</td> <td>PN 16</td> </tr> <tr> <td>KSN 75-F</td> <td>150 *</td> <td>PN 16</td> </tr> </tbody> </table> <p>La fourniture comprend : vis, écrous et joints pour une liaison<br/>* Tenir compte des remarques dans la fiche technique 7-2.3 feuillet 2 !</p>  | Type                     | DN | pression de service max. | KSN 75-F          | 25     | PN 16 | KSN 75-F          | 40       | PN 16 | KSN 75-F        | 50     | PN 16 | KSN 75-F         | 65       | PN 16 | KSN 75-F     | 80   | PN 16 | KSN 75-F    | 100      | PN 16                    | KSN 75-F    | 125 *    | PN 16 | KSN 75-F | 150 * | PN 16 |           |          |       |        |      |       |
| Type              | DN  | pression de service max. |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-F          | 25  | PN 16                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-F          | 40  | PN 16                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-F          | 50  | PN 16                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-F          | 65  | PN 16                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-F          | 80  | PN 16                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-F          | 100   | PN 16                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-F          | 125 *   | PN 16                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| KSN 75-F          | 150 *   | PN 16                    |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 2.105             | <p><b>Exécution biogaz</b> (joint Téflon) corps inox, avec sécurité thermique</p> <table border="0"> <thead> <tr> <th>Type</th> <th>DN</th> <th>pression de service max.</th> </tr> </thead> <tbody> <tr> <td>87-E-1-TAE</td> <td>Rp 1</td> <td>PN 5</td> </tr> <tr> <td>87-E-1 1/2-TAE</td> <td>Rp 1 1/2</td> <td>PN 5</td> </tr> <tr> <td>87-E-2-TAE</td> <td>Rp 2</td> <td>PN 5</td> </tr> </tbody> </table>   | Type                     | DN | pression de service max. | 87-E-1-TAE        | Rp 1   | PN 5  | 87-E-1 1/2-TAE    | Rp 1 1/2 | PN 5  | 87-E-2-TAE      | Rp 2   | PN 5  |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| Type              | DN  | pression de service max. |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 87-E-1-TAE        | Rp 1  | PN 5                     |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 87-E-1 1/2-TAE    | Rp 1 1/2  | PN 5                     |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |
| 87-E-2-TAE        | Rp 2  | PN 5                     |    |                          |                   |        |       |                   |          |       |                 |        |       |                  |          |       |              |      |       |             |          |                          |             |          |       |          |       |       |           |          |       |        |      |       |



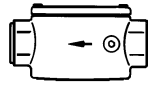
2.201  
2.202



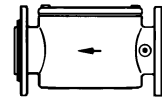
2.203



2.204



2.301

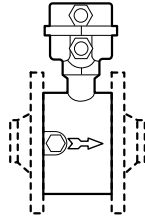
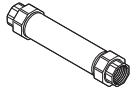
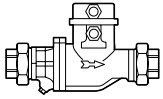


2.302

| Nr.        | Bezeichnung   | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |
|------------|---|--|-------------------------|
| <b>2.2</b> | <b>Thermische Absperrvorrichtung</b><br>(siehe hierzu Technisches Arbeitsblatt Dr.-Nr. 7-2.2)     |  |                         |
| 2.201      | <b>Standardtypen</b>  |  |                         |
|            | Typ DN  |  |                         |
|            | GT 40 FFM 40  | 151 331 26 402                             |                         |
|            | GT 50 FFM 50  | 151 331 26 412                             |                         |
|            | GT 65 FFM 65  | 151 331 26 422                             |                         |
|            | GT 80 FFM 80  | 151 331 26 432                             |                         |
|            | GT100 FFM 100   | 151 331 26 442                             |                         |
|            | GT125 FFM 125   | 151 331 26 452                             |                         |
|            | GT150 FFM 150   | 151 331 26 462                             |                         |
| 2.202      | <b>Ausführung Klär- und Biogas</b>  |  |                         |
|            | Typ DN  |  |                         |
|            | GT 40 FFM 40  | 151 331 26 472                             |                         |
|            | GT 50 FFM 50  | 151 331 26 482                             |                         |
|            | GT 65 FFM 65  | 151 331 26 492                             |                         |
|            | GT 80 FFM 80  | 151 331 26 502                             |                         |
|            | GT100 FFM 100   | 151 331 26 512                             |                         |
|            | <b>Dichtungs-Set für thermische Absperrvorrichtung</b><br>(bestehend aus 2 HTB-Flanschdichtungen) |  |                         |
|            | DN 40   | 151 331 26 862                             |                         |
|            | DN 50   | 151 331 26 872                             |                         |
|            | DN 65   | 151 331 26 882                             |                         |
|            | DN 80   | 151 331 26 892                             |                         |
|            | DN 100  | 151 331 26 902                             |                         |
|            | DN 125  | 151 331 26 912                             |                         |
|            | DN 150  | 151 331 26 922                             |                         |
|            | <b>Flammenrückschlagsicherung</b>   |  |                         |
| 2.203      | <b>Flammenrückschlagsicherung</b> geflanscht mit Verbindungsteilen                                |  |                         |
|            | FA-E40 DN 40  | 151 351 26 742                             |                         |
|            | FA-E50 DN 50  | 151 351 26 752                             |                         |
|            | FA-E65 DN 65  | 151 351 26 762                             |                         |
|            | FA-E80 DN 80  | 151 351 26 772                             |                         |
|            | FA-E100 DN 100  | 151 351 26 782                             |                         |
|            | FA-E125 DN 125  | 151 351 26 792                             |                         |
|            | FA-E150 DN 150  | 151 351 26 802                             |                         |
| 2.204      | <b>Flammenrückschlagsicherung</b> geschraubt, Gehäuse Edelstahl                                   |  |                         |
|            | FA-G20 G3/4"  | 640 530                                    |                         |
|            | FA-G25 G1"  | 640 531                                    |                         |
|            | FA-G40 G1 1/2"  | 640 539                                    |                         |
|            | FA-G50 G2"  | 640 540                                    |                         |
| <b>2.3</b> | <b>Gasfilter</b>  |  |                         |
| 2.301      | <b>Gasfilter</b> mit Innengewinde max. Betriebsdruck 0,5 bar                                      |  |                         |
|            | WF 503/1 RP 3/8   | 151 223 40 240                             |                         |
|            | WF 505/1 RP 1/2   | 151 223 40 120                             |                         |
|            | WF 507/1 RP 3/4   | 151 223 40 130                             |                         |
|            | WF 510/1 RP 1   | 151 223 40 140                             |                         |
|            | WF 515/1 RP 1 1/2   | 151 223 40 150                             |                         |
|            | WF 520/1 RP 2"  | 151 223 40 160                             |                         |
| 2.302      | <b>Gasfilter</b> geflanscht DIN 2633 PN16 max. Betriebsdruck in bar                               |  |                         |
|            | WF 3025/1 25 5  | 151 330 26 242                             |                         |
|            | WF 3040/1 40 5  | 151 328 26 802                             |                         |
|            | WF 3050/1 50 5  | 151 327 26 502                             |                         |
|            | WF 3065/1 65 5  | 151 327 26 512                             |                         |
|            | WF 3080/1 80 5  | 151 329 26 922                             |                         |
|            | WF 3100/1 100 5   | 151 327 26 532                             |                         |
|            | WF 3125/1 125 2   | 151 327 26 542                             |                         |
|            | WF 3150/1 150 2   | 151 329 26 642                             |                         |
|            | <b>Filter Set</b> DN 125 bis Pe max. 6 bar auch für Klär- und Biogas geeignet (Typ GF125MF)       | 151 327 26 052                             |                         |
|            | <b>Filter Set</b> DN 150 bis Pe max. 6 bar auch für Klär- und Biogas geeignet (Typ GF150MF)       | 151 329 26 042                             |                         |
|            | Zum Lieferumfang gehören: Schrauben, Muttern und Dichtung für eine Trennstelle.                   |  |                         |

| No.        | Designation  |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
|------------|--|-----------|--------|-----------|-----------|-----------|--------|-----------|-------|-----------|-----------|-----------|--------|-----------|--------|-----------|-----------|-----|---|-----------|-----|---|-----------|-----|---|
| <b>2.2</b> | <b>Thermal shut off device</b><br>(see Technical working sheet print No. 7-2.2)  |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| 2.201      | <b>Standard types</b><br><table border="0"> <tr> <td>Type</td> <td>DN</td> </tr> <tr> <td>GT 40 FFM</td> <td>40</td> </tr> <tr> <td>GT 50 FFM</td> <td>50</td> </tr> <tr> <td>GT 65 FFM</td> <td>65</td> </tr> <tr> <td>GT 80 FFM</td> <td>80</td> </tr> <tr> <td>GT100 FFM</td> <td>100</td> </tr> <tr> <td>GT125 FFM</td> <td>125</td> </tr> <tr> <td>GT150 FFM</td> <td>150</td> </tr> </table>   | Type      | DN     | GT 40 FFM | 40        | GT 50 FFM | 50     | GT 65 FFM | 65    | GT 80 FFM | 80        | GT100 FFM | 100    | GT125 FFM | 125    | GT150 FFM | 150       |     |   |           |     |   |           |     |   |
| Type       | DN   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT 40 FFM  | 40   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT 50 FFM  | 50   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT 65 FFM  | 65   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT 80 FFM  | 80   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT100 FFM  | 100  |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT125 FFM  | 125  |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT150 FFM  | 150  |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| 2.202      | <b>Version sewage and biogas</b><br><table border="0"> <tr> <td>Type</td> <td>DN</td> </tr> <tr> <td>GT 40 FFM</td> <td>40</td> </tr> <tr> <td>GT 50 FFM</td> <td>50</td> </tr> <tr> <td>GT 65 FFM</td> <td>65</td> </tr> <tr> <td>GT 80 FFM</td> <td>80</td> </tr> <tr> <td>GT100 FFM</td> <td>100</td> </tr> </table> <p><b>Gasket set for thermal shut off device</b><br/>(consisting of 2 HTB flange gaskets)<br/> DN 40<br/> DN 50<br/> DN 65<br/> DN 80<br/> DN 100<br/> DN 125<br/> DN 150</p> <p><b>Flame flashback protection</b></p>   | Type      | DN     | GT 40 FFM | 40        | GT 50 FFM | 50     | GT 65 FFM | 65    | GT 80 FFM | 80        | GT100 FFM | 100    |           |        |           |           |     |   |           |     |   |           |     |   |
| Type       | DN   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT 40 FFM  | 40   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT 50 FFM  | 50   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT 65 FFM  | 65   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT 80 FFM  | 80   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT100 FFM  | 100  |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| 2.203      | <b>Flame flashback protection</b> flanged with connection parts<br><table border="0"> <tr> <td>FA-E40</td> <td>DN 40</td> </tr> <tr> <td>FA-E50</td> <td>DN 50</td> </tr> <tr> <td>FA-E65</td> <td>DN 65</td> </tr> <tr> <td>FA-E80</td> <td>DN 80</td> </tr> <tr> <td>FA-E100</td> <td>DN 100</td> </tr> <tr> <td>FA-E125</td> <td>DN 125</td> </tr> <tr> <td>FA-E150</td> <td>DN 150</td> </tr> </table>   | FA-E40    | DN 40  | FA-E50    | DN 50     | FA-E65    | DN 65  | FA-E80    | DN 80 | FA-E100   | DN 100    | FA-E125   | DN 125 | FA-E150   | DN 150 |           |           |     |   |           |     |   |           |     |   |
| FA-E40     | DN 40  |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| FA-E50     | DN 50  |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| FA-E65     | DN 65  |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| FA-E80     | DN 80  |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| FA-E100    | DN 100   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| FA-E125    | DN 125   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| FA-E150    | DN 150   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| 2.204      | <b>Flame flashback protection</b> screwed, stainless steel housing<br>FA-G20 G3/4"<br>FA-G25 G1"<br>FA-G40 G1 1/2"<br>FA-G50 G2"   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| <b>2.3</b> | <b>Gas filters</b>   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| 2.301      | <b>Gas filter</b> with internal thread max. operating pressure 0.5 bar<br><table border="0"> <tr> <td>WF 503/1</td> <td>RP 3/8</td> </tr> <tr> <td>WF 505/1</td> <td>RP 1/2</td> </tr> <tr> <td>WF 507/1</td> <td>RP 3/4</td> </tr> <tr> <td>WF 510/1</td> <td>RP 1</td> </tr> <tr> <td>WF 515/1</td> <td>RP 1 1/2</td> </tr> <tr> <td>WF 520/1</td> <td>RP 2"</td> </tr> </table>   | WF 503/1  | RP 3/8 | WF 505/1  | RP 1/2    | WF 507/1  | RP 3/4 | WF 510/1  | RP 1  | WF 515/1  | RP 1 1/2  | WF 520/1  | RP 2"  |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 503/1   | RP 3/8   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 505/1   | RP 1/2   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 507/1   | RP 3/4   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 510/1   | RP 1   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 515/1   | RP 1 1/2   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 520/1   | RP 2"  |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| 2.302      | <b>Gas filter</b> flanged DIN 2633 PN16, max. operating pressure<br><table border="0"> <tr> <td>WF 3025/1</td> <td>25</td> <td>5</td> </tr> <tr> <td>WF 3040/1</td> <td>40</td> <td>5</td> </tr> <tr> <td>WF 3050/1</td> <td>50</td> <td>5</td> </tr> <tr> <td>WF 3065/1</td> <td>65</td> <td>5</td> </tr> <tr> <td>WF 3080/1</td> <td>80</td> <td>5</td> </tr> <tr> <td>WF 3100/1</td> <td>100</td> <td>5</td> </tr> <tr> <td>WF 3125/1</td> <td>125</td> <td>2</td> </tr> <tr> <td>WF 3150/1</td> <td>150</td> <td>2</td> </tr> </table> <p><b>Filter set</b> DN 125 to Pe max. 6 bar also suitable for sewage and biogas (type GF125MF)<br/> <b>Filter set</b> DN 150 to Pe max. 6 bar also suitable for sewage and biogas (type GF150MF)</p> <p>Included in delivery: Screws, nuts and seals for one connection point.</p> | WF 3025/1 | 25     | 5         | WF 3040/1 | 40        | 5      | WF 3050/1 | 50    | 5         | WF 3065/1 | 65        | 5      | WF 3080/1 | 80     | 5         | WF 3100/1 | 100 | 5 | WF 3125/1 | 125 | 2 | WF 3150/1 | 150 | 2 |
| WF 3025/1  | 25   | 5         |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 3040/1  | 40   | 5         |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 3050/1  | 50   | 5         |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 3065/1  | 65   | 5         |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 3080/1  | 80   | 5         |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 3100/1  | 100  | 5         |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 3125/1  | 125  | 2         |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 3150/1  | 150  | 2         |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |

| No.        | Dénomination   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
|------------|--|-----------|--------|-----------|-----------|-----------|--------|-----------|-------|-----------|-----------|-----------|--------|-----------|--------|-----------|-----------|-----|---|-----------|-----|---|-----------|-----|---|
| <b>2.2</b> | <b>Soupape de sécurité therm.</b><br>(voir fiches techn. n° d'impr. 7-2.2)   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| 2.201      | <b>Types standards</b><br><table border="0"> <tr> <td>Type</td> <td>DN</td> </tr> <tr> <td>GT 40 FFM</td> <td>40</td> </tr> <tr> <td>GT 50 FFM</td> <td>50</td> </tr> <tr> <td>GT 65 FFM</td> <td>65</td> </tr> <tr> <td>GT 80 FFM</td> <td>80</td> </tr> <tr> <td>GT100 FFM</td> <td>100</td> </tr> <tr> <td>GT125 FFM</td> <td>125</td> </tr> <tr> <td>GT150 FFM</td> <td>150</td> </tr> </table>  | Type      | DN     | GT 40 FFM | 40        | GT 50 FFM | 50     | GT 65 FFM | 65    | GT 80 FFM | 80        | GT100 FFM | 100    | GT125 FFM | 125    | GT150 FFM | 150       |     |   |           |     |   |           |     |   |
| Type       | DN   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT 40 FFM  | 40   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT 50 FFM  | 50   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT 65 FFM  | 65   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT 80 FFM  | 80   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT100 FFM  | 100  |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT125 FFM  | 125  |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT150 FFM  | 150  |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| 2.202      | <b>Exécution biogaz</b><br><table border="0"> <tr> <td>Type</td> <td>DN</td> </tr> <tr> <td>GT 40 FFM</td> <td>40</td> </tr> <tr> <td>GT 50 FFM</td> <td>50</td> </tr> <tr> <td>GT 65 FFM</td> <td>65</td> </tr> <tr> <td>GT 80 FFM</td> <td>80</td> </tr> <tr> <td>GT100 FFM</td> <td>100</td> </tr> </table> <p><b>Ensemble d'étanchéité pour vanne TAS</b><br/>(composé de 2 joints HTB pour bride)<br/> DN 40<br/> DN 50<br/> DN 65<br/> DN 80<br/> DN 100<br/> DN 125<br/> DN 150</p> <p><b>Sécurité anti-retour de flamme</b></p>  | Type      | DN     | GT 40 FFM | 40        | GT 50 FFM | 50     | GT 65 FFM | 65    | GT 80 FFM | 80        | GT100 FFM | 100    |           |        |           |           |     |   |           |     |   |           |     |   |
| Type       | DN   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT 40 FFM  | 40   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT 50 FFM  | 50   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT 65 FFM  | 65   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT 80 FFM  | 80   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| GT100 FFM  | 100  |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| 2.203      | <b>Sécurité anti-retour de flamme</b> à brides avec éléments de liaison<br><table border="0"> <tr> <td>FA-E40</td> <td>DN 40</td> </tr> <tr> <td>FA-E50</td> <td>DN 50</td> </tr> <tr> <td>FA-E65</td> <td>DN 65</td> </tr> <tr> <td>FA-E80</td> <td>DN 80</td> </tr> <tr> <td>FA-E100</td> <td>DN 100</td> </tr> <tr> <td>FA-E125</td> <td>DN 125</td> </tr> <tr> <td>FA-E150</td> <td>DN 150</td> </tr> </table>   | FA-E40    | DN 40  | FA-E50    | DN 50     | FA-E65    | DN 65  | FA-E80    | DN 80 | FA-E100   | DN 100    | FA-E125   | DN 125 | FA-E150   | DN 150 |           |           |     |   |           |     |   |           |     |   |
| FA-E40     | DN 40  |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| FA-E50     | DN 50  |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| FA-E65     | DN 65  |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| FA-E80     | DN 80  |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| FA-E100    | DN 100   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| FA-E125    | DN 125   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| FA-E150    | DN 150   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| 2.204      | <b>Sécurité anti-retour de flamme</b> à visser, corps acier<br>FA-G20 G3/4"<br>FA-G25 G1"<br>FA-G40 G1 1/2"<br>FA-G50 G2"  |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| <b>2.3</b> | <b>Filtres gaz</b>   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| 2.301      | <b>Filtre gaz</b> avec filetage int. pression de service max. 0,5 bar<br><table border="0"> <tr> <td>WF 503/1</td> <td>RP 3/8</td> </tr> <tr> <td>WF 505/1</td> <td>RP 1/2</td> </tr> <tr> <td>WF 507/1</td> <td>RP 3/4</td> </tr> <tr> <td>WF 510/1</td> <td>RP 1</td> </tr> <tr> <td>WF 515/1</td> <td>RP 1 1/2</td> </tr> <tr> <td>WF 520/1</td> <td>RP 2"</td> </tr> </table>  | WF 503/1  | RP 3/8 | WF 505/1  | RP 1/2    | WF 507/1  | RP 3/4 | WF 510/1  | RP 1  | WF 515/1  | RP 1 1/2  | WF 520/1  | RP 2"  |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 503/1   | RP 3/8   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 505/1   | RP 1/2   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 507/1   | RP 3/4   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 510/1   | RP 1   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 515/1   | RP 1 1/2   |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 520/1   | RP 2"  |           |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| 2.302      | <b>Filtre gaz</b> à brides DIN 2633 PN16 Pression de service max. en bar<br><table border="0"> <tr> <td>WF 3025/1</td> <td>25</td> <td>5</td> </tr> <tr> <td>WF 3040/1</td> <td>40</td> <td>5</td> </tr> <tr> <td>WF 3050/1</td> <td>50</td> <td>5</td> </tr> <tr> <td>WF 3065/1</td> <td>65</td> <td>5</td> </tr> <tr> <td>WF 3080/1</td> <td>80</td> <td>5</td> </tr> <tr> <td>WF 3100/1</td> <td>100</td> <td>5</td> </tr> <tr> <td>WF 3125/1</td> <td>125</td> <td>2</td> </tr> <tr> <td>WF 3150/1</td> <td>150</td> <td>2</td> </tr> </table> <p><b>Filtres</b> DN 125 à Pe max. 6 bar adapté pour biogaz (type GF125MF)<br/> <b>Filtres</b> DN 150 à Pe max. 6 bar adapté pour biogaz (type GF150MF)</p> <p>La fourniture comprend : vis, écrous et joints pour une liaison.</p> | WF 3025/1 | 25     | 5         | WF 3040/1 | 40        | 5      | WF 3050/1 | 50    | 5         | WF 3065/1 | 65        | 5      | WF 3080/1 | 80     | 5         | WF 3100/1 | 100 | 5 | WF 3125/1 | 125 | 2 | WF 3150/1 | 150 | 2 |
| WF 3025/1  | 25   | 5         |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 3040/1  | 40   | 5         |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 3050/1  | 50   | 5         |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 3065/1  | 65   | 5         |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 3080/1  | 80   | 5         |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 3100/1  | 100  | 5         |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 3125/1  | 125  | 2         |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |
| WF 3150/1  | 150  | 2         |        |           |           |           |        |           |       |           |           |           |        |           |        |           |           |     |   |           |     |   |           |     |   |



2.401

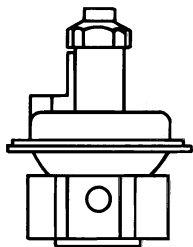
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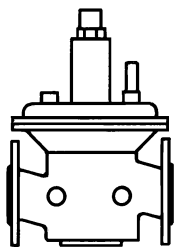
| Nr.        | Bezeichnung  | Bestell-Nr.<br>Order-No.<br>No de commande   | Preis EUR<br>(o. MwSt.)  |
|------------|--|--|--|
| 2.303      | <b>Filtereinsatz-Set</b> für WF-Gasfilter<br>WF 503/1 - WF 505/1<br>WF 507/1<br>WF 510/1<br>WF 515/1<br>WF 520/1<br>WF 3025/1<br>WF 3040/1<br>WF 3050/1<br>WF 3065/1<br>WF 3080/1<br>WF 3100/1<br>WF 3125/1<br>WF 3150/1 | 151 334 26 072<br>151 334 26 082<br>151 334 26 092<br>151 334 26 102<br>151 334 26 112<br>151 334 26 122<br>151 334 26 132<br>151 334 26 142<br>151 334 26 152<br>151 334 26 162<br>151 334 26 172<br>151 334 26 182<br>151 334 26 192 |  |
|            | <b>Filtereinsatz</b> für DN125 m. Pe max. 6 bar Typ KIT-GF125MF für Filter Typ GF125MF-4040-C-AM   | 493 332  |  |
|            | <b>Filtereinsatz</b> für DN150 m. Pe max. 6 bar Typ KIT-GF150MF für Filter Typ GF150MF-4848-C-AM<br>(bestehend aus: Einsatz und Dichtung)  | 493 333  |  |
| 2.304      | <b>O-Ring</b> für Gasfilter<br>für Filter  |  |  |
|            | Abmessung  |  |  |
|            | WF 503/1 - WF 505/1  | 58 x 2   | 445 048  |
|            | WF 507/1   | 72 x 2   | 445 049  |
|            | WF 510/1   | 90 x 3   | 445 059  |
|            | WF 3025/1  | 100 x 3  | 445 102  |
|            | WF 515/1 - WF 3040/1   | 140 x 3  | 445 051  |
|            | WF 520/1 - WF 3050/1   | 160 x 3  | 445 053  |
|            | WF 3065/1  | 156 x 3  | 445 052  |
|            | WF 3080/1  | 198 x 3  | 445 054  |
|            | WF 3100/1  | 235 x 5  | 445 090  |
|            | WF 3125/1  | 290 x 5  | 445 072  |
|            | WF 3150/1  | 330 x 5  | 445 073  |
| 2.305      | <b>Gasfilter</b> für Drücke größer 4 bar, max. Betriebsdruck 16 bar<br>Typ 25/50/16<br>50/50/16<br>80/50/16<br>100/50/16<br>125/50/16<br>150/50/16   | 151 330 26 172<br>151 327 26 062<br>151 329 26 632<br>151 334 26 012<br>151 334 26 022<br>151 334 26 032   |  |
|            | Zum Lieferumfang gehören: Schrauben, Muttern und Dichtung für eine Trennstelle   |  |  |
|            | <b>Filtereinsatz-Set</b> inkl. O-Ring für Gasfilter größer 5 bar, max. Betriebsdruck 16 bar<br>Typ 25/50/16<br>50/50/16<br>80/50/16<br>100/50/16<br>125/50/16<br>150/50/16   | 151 329 26 052<br>151 329 26 062<br>151 329 26 072<br>151 334 26 042<br>151 334 26 052<br>151 334 26 062   |  |
| <b>2.4</b> | <b>Gaszähler</b> (für Erdgas E, LL und Flüssiggas, nicht für Klärgas)  |  |  |
| 2.401      | <b>Gaszähler</b> , Ferngeber NF, HF mit Verbindungsteilen und Dichtungen<br>Type   | Durchsatz Bm <sup>3</sup>  |  |
|            | QA 10/GI   | 1,6 - 16   | G1/PN4   |
|            | QA 16/GI   | 2,0 - 25   | G1/PN4   |
|            | QA 25/GI   | 2,5 - 40   | G1/PN4   |
|            | QA 40/GI   | 3,3 - 65   | G1/PN4   |
|            |  |  | 454 561<br>454 562<br>454 563<br>454 564   |
| 2.402      | <b>Passstück</b> für Gaszähler<br>QA 10-40 R1, Länge 240 mm  |  | 454 910  |
|            | <b>Zwischenbauweise mit Verbindungsteilen und 2 Dichtringen</b>  |  |  |
| 2.403      | QA65/ZI  | 6,0 - 100  | DN50/PN4   |
| 2.404      | QA100/ZI   | 10,0 - 160   | DN80/PN4   |
|            | QA160/ZI   | 13,0 - 250   | DN80/PN4   |
| 2.405      | QA250/ZI   | 20,0 - 400   | DN100/PN4  |
|            | QA400/ZI   | 32,0 - 650   | DN100/PN4  |
| 2.406      | QA400/ZI   | 32,0 - 650   | DN150/PN4  |
|            | QA650/ZI   | 50,0 - 1000  | DN150/PN4  |
|            | QA1000/ZI  | 80,0 - 1600  | DN150/PN4  |
|            |  |  | 151 331 26 602<br>151 331 26 612<br>151 331 26 622<br>151 331 26 632<br>151 331 26 642<br>151 331 26 652<br>151 331 26 662<br>151 331 26 672 |
|            | <b>Ein- bzw. Auslaufstrecke</b>  |  |  |
| 2.407      | <b>Doppelnippel</b> , R1, Länge 80 mm  |  | 139 000 26 397   |
| 2.408      | <b>Zwischenflansch</b><br>DN 50 Länge 170 mm<br>DN 80 Länge 240 mm<br>DN 100 Länge 300 mm<br>DN 150 Länge 450 mm   |  | 151 330 26 262<br>151 330 26 292<br>151 330 26 272<br>151 330 26 432   |
|            | Relais und Frequenzstromumsetzer siehe Pos. 1.514 und 1.515  |  |  |

| No.                  | Designation  |             |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
|----------------------|--|-------------|---------------------------|---------------------|---------------|----------|---------------|------------|---------------|-----------|----------|----------------------|----------|----------------------|----------|------------|-----------|-----------|----------|------------|-----------|-----------|----------|------------|-----------|--|----------|-------------|-----------|--|-----------|-------------|-----------|
| 2.303                | <p><b>Filter elements</b> for WF gas filters<br/> WF 503/1 - WF 505/1<br/> WF 507/1<br/> WF 510/1<br/> WF 515/1<br/> WF 520/1<br/> WF 3025/1<br/> WF 3040/1<br/> WF 3050/1<br/> WF 3065/1<br/> WF 3080/1<br/> WF 3100/1<br/> WF 3125/1<br/> WF 3150/1</p> <p><b>Filter insert</b> for DN125 w. Pe max. 6 bar type KIT-GF125MF for Filter type GF125MF-4040-C-AM<br/> <b>Filter insert</b> for DN150 w. Pe max. 6 bar type KIT-GF150MF for filter type GF150MF-4848-C-AM (consisting of: insert and gasket)</p>   |             |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| 2.304                | <p><b>O ring</b> for gas filters</p> <table border="1"> <thead> <tr> <th>For filter</th> <th>Dimensions</th> </tr> </thead> <tbody> <tr> <td>WF 503/1 - WF 505/1</td> <td>58 x 2</td> </tr> <tr> <td>WF 507/1</td> <td>72 x 2</td> </tr> <tr> <td>WF 510/1</td> <td>90 x 3</td> </tr> <tr> <td>WF 3025/1</td> <td>100 x 3</td> </tr> <tr> <td>WF 515/1 - WF 3040/1</td> <td>140 x 3</td> </tr> <tr> <td>WF 520/1 - WF 3050/1</td> <td>160 x 3</td> </tr> <tr> <td>WF 3065/1</td> <td>156 x 3</td> </tr> <tr> <td>WF 3080/1</td> <td>198 x 3</td> </tr> <tr> <td>WF 3100/1</td> <td>235 x 5</td> </tr> <tr> <td>WF 3125/1</td> <td>290 x 5</td> </tr> <tr> <td>WF 3150/1</td> <td>330 x 5</td> </tr> </tbody> </table>  | For filter  | Dimensions                | WF 503/1 - WF 505/1 | 58 x 2        | WF 507/1 | 72 x 2        | WF 510/1   | 90 x 3        | WF 3025/1 | 100 x 3  | WF 515/1 - WF 3040/1 | 140 x 3  | WF 520/1 - WF 3050/1 | 160 x 3  | WF 3065/1  | 156 x 3   | WF 3080/1 | 198 x 3  | WF 3100/1  | 235 x 5   | WF 3125/1 | 290 x 5  | WF 3150/1  | 330 x 5   |  |          |             |           |  |           |             |           |
| For filter           | Dimensions   |             |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| WF 503/1 - WF 505/1  | 58 x 2   |             |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| WF 507/1             | 72 x 2   |             |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| WF 510/1             | 90 x 3   |             |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| WF 3025/1            | 100 x 3  |             |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| WF 515/1 - WF 3040/1 | 140 x 3  |             |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| WF 520/1 - WF 3050/1 | 160 x 3  |             |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| WF 3065/1            | 156 x 3  |             |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| WF 3080/1            | 198 x 3  |             |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| WF 3100/1            | 235 x 5  |             |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| WF 3125/1            | 290 x 5  |             |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| WF 3150/1            | 330 x 5  |             |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| 2.305                | <p><b>Gas filter</b> for pressures above 4 bar, max. operating pressure</p> <p><b>Typ</b> 25/50/16<br/> 50/50/16<br/> 80/50/16<br/> 100/50/16<br/> 125/50/16<br/> 150/50/16</p> <p>Included in delivery: Screws, nuts and seals for one connection point</p> <p><b>Filter elements</b> for gas filters above 5 bar, max. operating pressure 16 bar</p> <p><b>Typ</b> 25/50/16<br/> 50/50/16<br/> 80/50/16<br/> 100/50/16<br/> 125/50/16<br/> 150/50/16</p>   |             |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| <b>2.4</b>           | <b>Gas meters</b> (for Natural Gas E, LL and LPG, not for sewage gas)  |             |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| 2.401                | <p><b>Gas meter</b>, transmitter NF, HF with connection parts and seals</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Throughput m<sup>3</sup></th> <th></th> </tr> </thead> <tbody> <tr> <td>QA 10/GI</td> <td>1.6 - 16</td> <td>G1/PN4</td> </tr> <tr> <td>QA 16/GI</td> <td>2.0 - 25</td> <td>G1/PN4</td> </tr> <tr> <td>QA 25/GI</td> <td>2.5 - 40</td> <td>G1/PN4</td> </tr> <tr> <td>QA 40/GI</td> <td>3.3 - 65</td> <td>G1/PN4</td> </tr> </tbody> </table>   | Type        | Throughput m <sup>3</sup> |                     | QA 10/GI      | 1.6 - 16 | G1/PN4        | QA 16/GI   | 2.0 - 25      | G1/PN4    | QA 25/GI | 2.5 - 40             | G1/PN4   | QA 40/GI             | 3.3 - 65 | G1/PN4     |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| Type                 | Throughput m <sup>3</sup>  |             |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| QA 10/GI             | 1.6 - 16   | G1/PN4      |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| QA 16/GI             | 2.0 - 25   | G1/PN4      |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| QA 25/GI             | 2.5 - 40   | G1/PN4      |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| QA 40/GI             | 3.3 - 65   | G1/PN4      |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| 2.402                | <p><b>Replacement pipe section</b> for gas meter<br/> QA 10-40 R1, Length 240 mm</p> <p><b>Intermediate installation with connection parts and 2 gaskets</b></p> <table border="1"> <tbody> <tr> <td>2.403</td> <td>QA65/ZI</td> <td>6.0 - 100</td> <td>DN50/PN4</td> </tr> <tr> <td>2.404</td> <td>QA100/ZI</td> <td>10.0 - 160</td> <td>DN80/PN4</td> </tr> <tr> <td></td> <td>QA160/ZI</td> <td>13.0 - 250</td> <td>DN80/PN4</td> </tr> <tr> <td>2.405</td> <td>QA250/ZI</td> <td>20.0 - 400</td> <td>DN100/PN4</td> </tr> <tr> <td></td> <td>QA400/ZI</td> <td>32.0 - 650</td> <td>DN100/PN4</td> </tr> <tr> <td>2.406</td> <td>QA400/ZI</td> <td>32.0 - 650</td> <td>DN150/PN4</td> </tr> <tr> <td></td> <td>QA650/ZI</td> <td>50.0 - 1000</td> <td>DN150/PN4</td> </tr> <tr> <td></td> <td>QA1000/ZI</td> <td>80.0 - 1600</td> <td>DN150/PN4</td> </tr> </tbody> </table> <p><b>Input/Output</b></p> | 2.403       | QA65/ZI                   | 6.0 - 100           | DN50/PN4      | 2.404    | QA100/ZI      | 10.0 - 160 | DN80/PN4      |           | QA160/ZI | 13.0 - 250           | DN80/PN4 | 2.405                | QA250/ZI | 20.0 - 400 | DN100/PN4 |           | QA400/ZI | 32.0 - 650 | DN100/PN4 | 2.406     | QA400/ZI | 32.0 - 650 | DN150/PN4 |  | QA650/ZI | 50.0 - 1000 | DN150/PN4 |  | QA1000/ZI | 80.0 - 1600 | DN150/PN4 |
| 2.403                | QA65/ZI  | 6.0 - 100   | DN50/PN4                  |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| 2.404                | QA100/ZI   | 10.0 - 160  | DN80/PN4                  |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
|                      | QA160/ZI   | 13.0 - 250  | DN80/PN4                  |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| 2.405                | QA250/ZI   | 20.0 - 400  | DN100/PN4                 |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
|                      | QA400/ZI   | 32.0 - 650  | DN100/PN4                 |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| 2.406                | QA400/ZI   | 32.0 - 650  | DN150/PN4                 |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
|                      | QA650/ZI   | 50.0 - 1000 | DN150/PN4                 |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
|                      | QA1000/ZI  | 80.0 - 1600 | DN150/PN4                 |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| 2.407                | <b>Double nipple</b> , R1, Length 80 mm  |             |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| 2.408                | <p><b>Intermediate flange</b></p> <table border="1"> <tbody> <tr> <td>DN 50</td> <td>Length 170 mm</td> </tr> <tr> <td>DN 80</td> <td>Length 240 mm</td> </tr> <tr> <td>DN 100</td> <td>Length 300 mm</td> </tr> <tr> <td>DN 150</td> <td>Length 450 mm</td> </tr> </tbody> </table> <p>Relay and frequency converter see pos. 1.514 and 1.515</p>   | DN 50       | Length 170 mm             | DN 80               | Length 240 mm | DN 100   | Length 300 mm | DN 150     | Length 450 mm |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| DN 50                | Length 170 mm  |             |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| DN 80                | Length 240 mm  |             |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| DN 100               | Length 300 mm  |             |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| DN 150               | Length 450 mm  |             |                           |                     |               |          |               |            |               |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |

| No.                  | Dénomination  |             |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
|----------------------|---|-------------|----------------------|---------------------|-----------------|----------|-----------------|------------|-----------------|-----------|----------|----------------------|----------|----------------------|----------|------------|-----------|-----------|----------|------------|-----------|-----------|----------|------------|-----------|--|----------|-------------|-----------|--|-----------|-------------|-----------|
| 2.303                | <p><b>Cartouche filtrante</b> pour WF filtre<br/> WF 503/1 - WF 505/1<br/> WF 507/1<br/> WF 510/1<br/> WF 515/1<br/> WF 520/1<br/> WF 3025/1<br/> WF 3040/1<br/> WF 3050/1<br/> WF 3065/1<br/> WF 3080/1<br/> WF 3100/1<br/> WF 3125/1<br/> WF 3150/1</p> <p><b>Cartouche filtrante</b> pour DN 125 m. Pe max. 6 bar type KIT-GF125 MF pour filtres types GF125MF-4040-C-AM<br/> <b>Cartouche filtrante</b> pour DN 150 m. Pe max. 6 bar type KIT-GF150MF pour filtre type GF150MF-4848-C-AM (composé de : cartouche + joint)</p>   |             |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| 2.304                | <p><b>Joint torique</b> pour filtre gaz</p> <table border="1"> <thead> <tr> <th>pour filtre</th> <th>Dimensions</th> </tr> </thead> <tbody> <tr> <td>WF 503/1 - WF 505/1</td> <td>58 x 2</td> </tr> <tr> <td>WF 507/1</td> <td>72 x 2</td> </tr> <tr> <td>WF 510/1</td> <td>90 x 3</td> </tr> <tr> <td>WF 3025/1</td> <td>100 x 3</td> </tr> <tr> <td>WF 515/1 - WF 3040/1</td> <td>140 x 3</td> </tr> <tr> <td>WF 520/1 - WF 3050/1</td> <td>160 x 3</td> </tr> <tr> <td>WF 3065/1</td> <td>156 x 3</td> </tr> <tr> <td>WF 3080/1</td> <td>198 x 3</td> </tr> <tr> <td>WF 3100/1</td> <td>235 x 5</td> </tr> <tr> <td>WF 3125/1</td> <td>290 x 5</td> </tr> <tr> <td>WF 3150/1</td> <td>330 x 5</td> </tr> </tbody> </table>   | pour filtre | Dimensions           | WF 503/1 - WF 505/1 | 58 x 2          | WF 507/1 | 72 x 2          | WF 510/1   | 90 x 3          | WF 3025/1 | 100 x 3  | WF 515/1 - WF 3040/1 | 140 x 3  | WF 520/1 - WF 3050/1 | 160 x 3  | WF 3065/1  | 156 x 3   | WF 3080/1 | 198 x 3  | WF 3100/1  | 235 x 5   | WF 3125/1 | 290 x 5  | WF 3150/1  | 330 x 5   |  |          |             |           |  |           |             |           |
| pour filtre          | Dimensions  |             |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| WF 503/1 - WF 505/1  | 58 x 2  |             |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| WF 507/1             | 72 x 2  |             |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| WF 510/1             | 90 x 3  |             |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| WF 3025/1            | 100 x 3   |             |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| WF 515/1 - WF 3040/1 | 140 x 3   |             |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| WF 520/1 - WF 3050/1 | 160 x 3   |             |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| WF 3065/1            | 156 x 3   |             |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| WF 3080/1            | 198 x 3   |             |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| WF 3100/1            | 235 x 5   |             |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| WF 3125/1            | 290 x 5   |             |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| WF 3150/1            | 330 x 5   |             |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| 2.305                | <p><b>Filtre gaz</b> pour pressions supérieures à 4 bar, pression de service max.</p> <p><b>Typ</b> 25/50/16<br/> 50/50/16<br/> 80/50/16<br/> 100/50/16<br/> 125/50/16<br/> 150/50/16</p> <p>La fourniture comprend : Vis, écrous et joints pour une liaison.</p> <p><b>Cartouche filtrante</b> pour filtre sup. à 5 bar, pres. de service max. 16 bar</p> <p><b>Typ</b> 25/50/16<br/> 50/50/16<br/> 80/50/16<br/> 100/50/16<br/> 125/50/16<br/> 150/50/16</p>  |             |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| <b>2.4</b>           | <b>Filtre gaz</b> (pour gaz naturel Ei, Es et GPL, pas pour du biogaz)  |             |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| 2.401                | <p><b>Compteur gaz</b>, transmetteurs basses/hautes fréquences avec éléments de liaison et joints</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Débit m<sup>3</sup></th> <th></th> </tr> </thead> <tbody> <tr> <td>QA 10/GI</td> <td>1,6 - 16</td> <td>G1/PN4</td> </tr> <tr> <td>QA 16/GI</td> <td>2,0 - 25</td> <td>G1/PN4</td> </tr> <tr> <td>QA 25/GI</td> <td>2,5 - 40</td> <td>G1/PN4</td> </tr> <tr> <td>QA 40/GI</td> <td>3,3 - 65</td> <td>G1/PN4</td> </tr> </tbody> </table>   | Type        | Débit m <sup>3</sup> |                     | QA 10/GI        | 1,6 - 16 | G1/PN4          | QA 16/GI   | 2,0 - 25        | G1/PN4    | QA 25/GI | 2,5 - 40             | G1/PN4   | QA 40/GI             | 3,3 - 65 | G1/PN4     |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| Type                 | Débit m <sup>3</sup>  |             |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| QA 10/GI             | 1,6 - 16  | G1/PN4      |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| QA 16/GI             | 2,0 - 25  | G1/PN4      |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| QA 25/GI             | 2,5 - 40  | G1/PN4      |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| QA 40/GI             | 3,3 - 65  | G1/PN4      |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| 2.402                | <p><b>Manchette pour compteur gaz</b><br/> QA 10-40 R1, Longueur 240 mm</p> <p><b>Montage intermédiaire avec raccords et 2 joints</b></p> <table border="1"> <tbody> <tr> <td>2.403</td> <td>QA65/ZI</td> <td>6,0 - 100</td> <td>DN50/PN4</td> </tr> <tr> <td>2.404</td> <td>QA100/ZI</td> <td>10,0 - 160</td> <td>DN80/PN4</td> </tr> <tr> <td></td> <td>QA160/ZI</td> <td>13,0 - 250</td> <td>DN80/PN4</td> </tr> <tr> <td>2.405</td> <td>QA250/ZI</td> <td>20,0 - 400</td> <td>DN100/PN4</td> </tr> <tr> <td></td> <td>QA400/ZI</td> <td>32,0 - 650</td> <td>DN100/PN4</td> </tr> <tr> <td>2.406</td> <td>QA400/ZI</td> <td>32,0 - 650</td> <td>DN150/PN4</td> </tr> <tr> <td></td> <td>QA650/ZI</td> <td>50,0 - 1000</td> <td>DN150/PN4</td> </tr> <tr> <td></td> <td>QA1000/ZI</td> <td>80,0 - 1600</td> <td>DN150/PN4</td> </tr> </tbody> </table> <p><b>Conduit d'entrée/de sortie</b></p> | 2.403       | QA65/ZI              | 6,0 - 100           | DN50/PN4        | 2.404    | QA100/ZI        | 10,0 - 160 | DN80/PN4        |           | QA160/ZI | 13,0 - 250           | DN80/PN4 | 2.405                | QA250/ZI | 20,0 - 400 | DN100/PN4 |           | QA400/ZI | 32,0 - 650 | DN100/PN4 | 2.406     | QA400/ZI | 32,0 - 650 | DN150/PN4 |  | QA650/ZI | 50,0 - 1000 | DN150/PN4 |  | QA1000/ZI | 80,0 - 1600 | DN150/PN4 |
| 2.403                | QA65/ZI   | 6,0 - 100   | DN50/PN4             |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| 2.404                | QA100/ZI  | 10,0 - 160  | DN80/PN4             |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
|                      | QA160/ZI  | 13,0 - 250  | DN80/PN4             |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| 2.405                | QA250/ZI  | 20,0 - 400  | DN100/PN4            |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
|                      | QA400/ZI  | 32,0 - 650  | DN100/PN4            |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| 2.406                | QA400/ZI  | 32,0 - 650  | DN150/PN4            |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
|                      | QA650/ZI  | 50,0 - 1000 | DN150/PN4            |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
|                      | QA1000/ZI   | 80,0 - 1600 | DN150/PN4            |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| 2.407                | <b>Mamelon double</b> , R1, longueur 80 mm  |             |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| 2.408                | <p><b>Bride intermédiaire</b></p> <table border="1"> <tbody> <tr> <td>DN 50</td> <td>Longueur 170 mm</td> </tr> <tr> <td>DN 80</td> <td>Longueur 240 mm</td> </tr> <tr> <td>DN 100</td> <td>Longueur 300 mm</td> </tr> <tr> <td>DN 150</td> <td>Longueur 450 mm</td> </tr> </tbody> </table> <p>Relais et convertisseur de fréquence voir pos. 1.514 et 1.515</p>   | DN 50       | Longueur 170 mm      | DN 80               | Longueur 240 mm | DN 100   | Longueur 300 mm | DN 150     | Longueur 450 mm |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| DN 50                | Longueur 170 mm   |             |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| DN 80                | Longueur 240 mm   |             |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| DN 100               | Longueur 300 mm   |             |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |
| DN 150               | Longueur 450 mm   |             |                      |                     |                 |          |                 |            |                 |           |          |                      |          |                      |          |            |           |           |          |            |           |           |          |            |           |  |          |             |           |  |           |             |           |



2.500  
2.501



2.502

| Nr.   | Bezeichnung  | Bestell-Nr.<br>Order-No.<br>No de commande   | Preis EUR<br>(o. MwSt.) |
|---|--|--|-------------------------|
| <b>2.5 Druckregelgeräte</b>   |  |  |                         |
| <b>Druckregelgeräte für Niederdruck</b><br>max. Betriebsdruck 0,5 bar. Druckregelgerät auswählen bis zu einem Eingangsdruck von ca. 300 mbar. Preise einschl. oranger Feder (Regeldruck 5 - 20 mbar). |  |  |                         |
| 2.500   | <b>Druckregelgerät</b> DN<br><b>FRS 503</b> RP 3/8<br><b>FRS 505</b> RP 1/2<br><b>FRS 507</b> RP 3/4<br><br><b>FRS 510</b> RP 1<br><b>FRS 515</b> RP 1 1/2<br><b>FRS 520</b> RP 2                                    | 640 681*<br>640 675*<br>640 676*<br><br>640 677*<br>640 678*<br>640 679*   |                         |
| * mit serienmäßiger Feder orange  |  |  |                         |
| 2.501   | <b>FRS 503</b> RP 3/8<br><b>FRS 505</b> RP 1/2<br><b>FRS 507</b> RP 3/4<br><br><b>FRS 510</b> RP 1<br><b>FRS 515</b> RP 1 1/2<br><b>FRS 520</b> RP 2   | 151 330 26 982 <sup>1)</sup><br>151 330 26 852 <sup>1)</sup><br>151 330 26 862 <sup>1)</sup><br><br>151 330 26 872 <sup>1)</sup><br>151 330 26 882 <sup>1)</sup><br>151 330 26 892 <sup>1)</sup>                                 |                         |
| <sup>1)</sup> Bei Druckregelgeräten mit anderen Ausgangsdrücken diese Bestellnummer verwenden und Feder von folgender Seite auswählen. Bestellnummer und Farbe der Feder angeben.                     |  |  |                         |
| 2.502   | <b>FRS 5040</b> 40<br><b>FRS 5050</b> 50<br><b>FRS 5065</b> 65<br><br><b>FRS 5080</b> 80<br><b>FRS 5100</b> 100<br><b>FRS 5125</b> 125<br><b>FRS 5150</b> 150  | 151 329 26 702 <sup>2)</sup><br>151 329 26 712 <sup>2)</sup><br>151 329 26 722 <sup>2)</sup><br><br>151 329 26 732 <sup>2)</sup><br>151 329 26 742 <sup>2)</sup><br>151 331 26 262 <sup>2)</sup><br>151 331 26 272 <sup>2)</sup> |                         |
| <sup>2)</sup> mit Verbindungsteilen und Feder orange. Bei anderen Federn Bestellnummer der Feder und Farbe zusätzlich angeben.  |  |  |                         |
| 2.503   | <b>Druckregelgeräte</b><br>für Einsatz bei Brennern G1 - G7 Ausf. ZMA<br>(auch bei Ausführung Simultan)  |  |                         |
|   | <b>FRS 507-2S</b><br><b>FRS 510-2S</b><br><b>FRS 515-2S</b><br><b>FRS 520-2S</b><br><b>FRS 5040-2S</b><br><b>FRS 5050-2S</b><br><b>FRS 5065-2S</b><br><b>FRS 5080-2S</b><br><b>FRS 5100-2S</b><br><b>FRS 5125-2S</b> | 640 550<br>640 551<br>640 552<br>640 553<br>640 554<br>640 555<br>640 556<br>640 557<br>640 558<br>640 559   |                         |

| No.                       | Designation   |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
|---------------------------|---|---------------------------|--------|-----------------|--------|-----------------|--------|----------------|--------|-----------------|------|-----------------|----------|-----------------|----------|-----------------|------|
| <b>2.5</b>                | <b>Gas governors</b>  |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
|                           | <b>Low pressure governor</b><br>Max. supply pressure 0.5 bar. Use device till max. 300 mbar.<br>The prices are inclusive of orange spring (regulating pressure 5 - 20 mbar).  |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| 2.500                     | <table border="0"> <tr> <td><b>Pressure regulator</b></td> <td>DN</td> </tr> <tr> <td><b>FRS 503</b></td> <td>RP 3/8</td> </tr> <tr> <td><b>FRS 505</b></td> <td>RP 1/2</td> </tr> <tr> <td><b>FRS 507</b></td> <td>RP 3/4</td> </tr> <tr> <td><br/></td> <td></td> </tr> <tr> <td><b>FRS 510</b></td> <td>RP 1</td> </tr> <tr> <td><b>FRS 515</b></td> <td>RP 1 1/2</td> </tr> <tr> <td><b>FRS 520</b></td> <td>RP 2</td> </tr> </table> <p>* with orange coloured spring</p>  | <b>Pressure regulator</b> | DN     | <b>FRS 503</b>  | RP 3/8 | <b>FRS 505</b>  | RP 1/2 | <b>FRS 507</b> | RP 3/4 | <br>            |      | <b>FRS 510</b>  | RP 1     | <b>FRS 515</b>  | RP 1 1/2 | <b>FRS 520</b>  | RP 2 |
| <b>Pressure regulator</b> | DN  |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 503</b>            | RP 3/8  |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 505</b>            | RP 1/2  |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 507</b>            | RP 3/4  |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <br>                      |   |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 510</b>            | RP 1  |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 515</b>            | RP 1 1/2  |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 520</b>            | RP 2  |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| 2.501                     | <table border="0"> <tr> <td><b>FRS 503</b></td> <td>RP 3/8</td> </tr> <tr> <td><b>FRS 505</b></td> <td>RP 1/2</td> </tr> <tr> <td><b>FRS 507</b></td> <td>RP 3/4</td> </tr> <tr> <td><br/></td> <td></td> </tr> <tr> <td><b>FRS 510</b></td> <td>RP 1</td> </tr> <tr> <td><b>FRS 515</b></td> <td>RP 1 1/2</td> </tr> <tr> <td><b>FRS 520</b></td> <td>RP 2</td> </tr> </table> <p><sup>1)</sup> Use this order number for pressure regulators with other output pressures and select springs from the following page. Stipulate order number and colour of spring.</p> | <b>FRS 503</b>            | RP 3/8 | <b>FRS 505</b>  | RP 1/2 | <b>FRS 507</b>  | RP 3/4 | <br>           |        | <b>FRS 510</b>  | RP 1 | <b>FRS 515</b>  | RP 1 1/2 | <b>FRS 520</b>  | RP 2     |                 |      |
| <b>FRS 503</b>            | RP 3/8  |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 505</b>            | RP 1/2  |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 507</b>            | RP 3/4  |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <br>                      |   |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 510</b>            | RP 1  |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 515</b>            | RP 1 1/2  |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 520</b>            | RP 2  |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| 2.502                     | <table border="0"> <tr> <td><b>FRS 5040</b></td> <td>40</td> </tr> <tr> <td><b>FRS 5050</b></td> <td>50</td> </tr> <tr> <td><b>FRS 5065</b></td> <td>65</td> </tr> <tr> <td><br/></td> <td></td> </tr> <tr> <td><b>FRS 5080</b></td> <td>80</td> </tr> <tr> <td><b>FRS 5100</b></td> <td>100</td> </tr> <tr> <td><b>FRS 5125</b></td> <td>125</td> </tr> <tr> <td><b>FRS 5150</b></td> <td>150</td> </tr> </table> <p><sup>2)</sup> with connection parts and orange spring. For other springs stipulate order number and colour.</p>                                   | <b>FRS 5040</b>           | 40     | <b>FRS 5050</b> | 50     | <b>FRS 5065</b> | 65     | <br>           |        | <b>FRS 5080</b> | 80   | <b>FRS 5100</b> | 100      | <b>FRS 5125</b> | 125      | <b>FRS 5150</b> | 150  |
| <b>FRS 5040</b>           | 40  |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 5050</b>           | 50  |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 5065</b>           | 65  |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <br>                      |   |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 5080</b>           | 80  |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 5100</b>           | 100   |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 5125</b>           | 125   |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 5150</b>           | 150   |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| 2.503                     | <p><b>Pressure regulators</b><br/>for use with burners G1 - G7 vers. ZMA<br/>(and with version Simultaneous)</p> <p><b>FRS 507-2S</b><br/><b>FRS 510-2S</b><br/><b>FRS 515-2S</b><br/><b>FRS 520-2S</b><br/><b>FRS 5040-2S</b><br/><b>FRS 5050-2S</b><br/><b>FRS 5065-2S</b><br/><b>FRS 5080-2S</b><br/><b>FRS 5100-2S</b><br/><b>FRS 5125-2S</b></p>   |                           |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |

| No.               | Dénomination   |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
|-------------------|--|-------------------|--------|-----------------|--------|-----------------|--------|----------------|--------|-----------------|------|-----------------|----------|-----------------|----------|-----------------|------|
| <b>2.5</b>        | <b>Régulateurs de pression</b>   |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
|                   | <b>Régulateurs de pression - basse pression</b><br>Pression de service max. 0,5 bar. Régulateur à déterminer pour une pression d'entrée d'env. 300 mbar. Prix y compris ressort orange (pression de réglage 5 - 20 mbar).  |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| 2.500             | <table border="0"> <tr> <td><b>Régulateur</b></td> <td>DN</td> </tr> <tr> <td><b>FRS 503</b></td> <td>RP 3/8</td> </tr> <tr> <td><b>FRS 505</b></td> <td>RP 1/2</td> </tr> <tr> <td><b>FRS 507</b></td> <td>RP 3/4</td> </tr> <tr> <td><br/></td> <td></td> </tr> <tr> <td><b>FRS 510</b></td> <td>RP 1</td> </tr> <tr> <td><b>FRS 515</b></td> <td>RP 1 1/2</td> </tr> <tr> <td><b>FRS 520</b></td> <td>RP 2</td> </tr> </table> <p>* avec ressort orange</p>   | <b>Régulateur</b> | DN     | <b>FRS 503</b>  | RP 3/8 | <b>FRS 505</b>  | RP 1/2 | <b>FRS 507</b> | RP 3/4 | <br>            |      | <b>FRS 510</b>  | RP 1     | <b>FRS 515</b>  | RP 1 1/2 | <b>FRS 520</b>  | RP 2 |
| <b>Régulateur</b> | DN   |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 503</b>    | RP 3/8   |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 505</b>    | RP 1/2   |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 507</b>    | RP 3/4   |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <br>              |  |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 510</b>    | RP 1   |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 515</b>    | RP 1 1/2   |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 520</b>    | RP 2   |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| 2.501             | <table border="0"> <tr> <td><b>FRS 503</b></td> <td>RP 3/8</td> </tr> <tr> <td><b>FRS 505</b></td> <td>RP 1/2</td> </tr> <tr> <td><b>FRS 507</b></td> <td>RP 3/4</td> </tr> <tr> <td><br/></td> <td></td> </tr> <tr> <td><b>FRS 510</b></td> <td>RP 1</td> </tr> <tr> <td><b>FRS 515</b></td> <td>RP 1 1/2</td> </tr> <tr> <td><b>FRS 520</b></td> <td>RP 2</td> </tr> </table> <p><sup>1)</sup> Utiliser cette référence pour des régulateurs avec des pressions de sortie différentes et déterminer les ressorts sur la page suivante. Référence et couleur des ressorts donnés.</p> | <b>FRS 503</b>    | RP 3/8 | <b>FRS 505</b>  | RP 1/2 | <b>FRS 507</b>  | RP 3/4 | <br>           |        | <b>FRS 510</b>  | RP 1 | <b>FRS 515</b>  | RP 1 1/2 | <b>FRS 520</b>  | RP 2     |                 |      |
| <b>FRS 503</b>    | RP 3/8   |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 505</b>    | RP 1/2   |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 507</b>    | RP 3/4   |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <br>              |  |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 510</b>    | RP 1   |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 515</b>    | RP 1 1/2   |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 520</b>    | RP 2   |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| 2.502             | <table border="0"> <tr> <td><b>FRS 5040</b></td> <td>40</td> </tr> <tr> <td><b>FRS 5050</b></td> <td>50</td> </tr> <tr> <td><b>FRS 5065</b></td> <td>65</td> </tr> <tr> <td><br/></td> <td></td> </tr> <tr> <td><b>FRS 5080</b></td> <td>80</td> </tr> <tr> <td><b>FRS 5100</b></td> <td>100</td> </tr> <tr> <td><b>FRS 5125</b></td> <td>125</td> </tr> <tr> <td><b>FRS 5150</b></td> <td>150</td> </tr> </table> <p><sup>2)</sup> avec éléments de liaison et ressort orange. Pour les autres ressorts, indiquer en plus la référence et la couleur du ressort.</p>                  | <b>FRS 5040</b>   | 40     | <b>FRS 5050</b> | 50     | <b>FRS 5065</b> | 65     | <br>           |        | <b>FRS 5080</b> | 80   | <b>FRS 5100</b> | 100      | <b>FRS 5125</b> | 125      | <b>FRS 5150</b> | 150  |
| <b>FRS 5040</b>   | 40   |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 5050</b>   | 50   |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 5065</b>   | 65   |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <br>              |  |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 5080</b>   | 80   |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 5100</b>   | 100  |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 5125</b>   | 125  |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| <b>FRS 5150</b>   | 150  |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |
| 2.503             | <p><b>Régulateurs</b><br/>pour utilisation sur brûleurs G1 - G7 exéc. ZMA<br/>(également en exécution simultanée)</p> <p><b>FRS 507-2S</b><br/><b>FRS 510-2S</b><br/><b>FRS 515-2S</b><br/><b>FRS 520-2S</b><br/><b>FRS 5040-2S</b><br/><b>FRS 5050-2S</b><br/><b>FRS 5065-2S</b><br/><b>FRS 5080-2S</b><br/><b>FRS 5100-2S</b><br/><b>FRS 5125-2S</b></p>   |                   |        |                 |        |                 |        |                |        |                 |      |                 |          |                 |          |                 |      |



2.504

| Nr.   | Bezeichnung   |           | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |
|-------|---|-----------|--|-------------------------|
| 2.504 | <b>Belastungsfedern</b> für Niederdruck-Gasdruckregler, als Ersatzteile |           |  |                         |
|       | Druckregelgerät - Typ   | Kennfarbe | Ausgangsdruckbereich mbar                  |                         |
|       | FRS 503   | orange*   | 5 - 20                                     | 490 180                 |
|       | FRS 505   | blau      | 10 - 30                                    | 490 134                 |
|       |   | rot       | 25 - 55                                    | 490 135                 |
|       |   | gelb      | 30 - 70                                    | 490 136                 |
|       |   | schwarz   | 60 - 110                                   | 490 137                 |
|       |   | rosa      | 100 - 150                                  | 490 040                 |
|       | FRS 507   | orange*   | 5 - 20                                     | 490 181                 |
|       |   | blau      | 10 - 30                                    | 490 139                 |
|       |   | rot       | 25 - 55                                    | 490 140                 |
|       |   | gelb      | 30 - 70                                    | 490 141                 |
|       |   | schwarz   | 60 - 110                                   | 490 142                 |
|       |   | rosa      | 100 - 150                                  | 490 041                 |
|       | FRS 510   | orange*   | 5 - 20                                     | 490 182                 |
|       |   | blau      | 10 - 30                                    | 490 144                 |
|       |   | rot       | 25 - 55                                    | 490 145                 |
|       |   | gelb      | 30 - 70                                    | 490 146                 |
|       |   | schwarz   | 60 - 110                                   | 490 147                 |
|       |   | rosa      | 100 - 150                                  | 490 042                 |
|       | FRS 5040  | orange*   | 5 - 20                                     | 490 183                 |
|       | FRS 515   | blau      | 10 - 30                                    | 490 124                 |
|       |   | rot       | 25 - 55                                    | 490 125                 |
|       |   | gelb      | 30 - 70                                    | 490 126                 |
|       |   | schwarz   | 60 - 110                                   | 490 127                 |
|       |   | rosa      | 100 - 150                                  | 490 043                 |
|       |   | grau      | 140 - 200                                  | 490 196                 |
|       | FRS 5050/1  | orange*   | 5 - 20                                     | 490 184                 |
|       | FRS 520/1   | blau      | 10 - 30                                    | 490 129                 |
|       |   | rot       | 25 - 55                                    | 490 130                 |
|       |   | gelb      | 30 - 70                                    | 490 131                 |
|       |   | schwarz   | 60 - 110                                   | 490 132                 |
|       |   | rosa      | 100 - 150                                  | 490 044                 |
|       |   | grau      | 140 - 200                                  | 490 197                 |
|       | FRS 5065  | orange*   | 5 - 20                                     | 490 185                 |
|       | FRS 5080  | blau      | 10 - 30                                    | 490 119                 |
|       |   | rot       | 25 - 55                                    | 490 120                 |
|       |   | gelb      | 30 - 70                                    | 490 121                 |
|       |   | schwarz   | 60 - 110                                   | 490 122                 |
|       |   | rosa      | 100 - 150                                  | 490 045                 |
|       |   | grau      | 140 - 200                                  | 490 198                 |
|       | FRS 5100  | orange*   | 5 - 20                                     | 490 187                 |
|       |   | blau      | 10 - 30                                    | 490 035                 |
|       |   | rot       | 25 - 55                                    | 490 036                 |
|       |   | gelb      | 30 - 70                                    | 490 037                 |
|       |   | schwarz   | 60 - 110                                   | 490 038                 |
|       |   | rosa      | 100 - 150                                  | 490 039                 |
|       |   | grau      | 140 - 200                                  | 490 199                 |
|       | FRS 5125  | orange*   | 5 - 20                                     | 490 188                 |
|       |   | blau      | 10 - 30                                    | 490 093                 |
|       |   | rot       | 25 - 55                                    | 490 096                 |
|       |   | gelb      | 30 - 70                                    | 490 099                 |
|       |   | schwarz   | 60 - 110                                   | 490 102                 |
|       |   | rosa      | 100 - 150                                  | 490 048                 |
|       |   | grau      | 140 - 200                                  | 490 229                 |
|       | FRS 5150  | orange*   | 5 - 20                                     | 490 189                 |
|       |   | blau      | 10 - 30                                    | 490 094                 |
|       |   | rot       | 25 - 55                                    | 490 097                 |
|       |   | gelb      | 30 - 70                                    | 490 100                 |
|       |   | schwarz   | 60 - 110                                   | 490 103                 |
|       |   | rosa      | 100 - 150                                  | 490 049                 |
|       |   | grau      | 140 - 200                                  | 490 230                 |

\* Serienmäßige Bestückung des Reglers

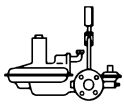


| No.   | Designation  |             |                            |
|-------|--|-------------|----------------------------|
| 2.504 | <b>Springs for low pressure regulators, spare part</b> |             |                            |
|       | Pressure regulator                                     | Spring type | Outlet pressure range mbar |
|       | Type   |             |                            |
|       | FRS 503  | orange*     | 5 - 20                     |
|       | FRS 505  | blue        | 10 - 30                    |
|       |  | red         | 25 - 55                    |
|       |  | yellow      | 30 - 70                    |
|       |  | black       | 60 - 110                   |
|       |  | pink        | 100 - 150                  |
|       | FRS 507  | orange*     | 5 - 20                     |
|       |  | blue        | 10 - 30                    |
|       |  | red         | 25 - 55                    |
|       |  | yellow      | 30 - 70                    |
|       |  | black       | 60 - 110                   |
|       |  | pink        | 100 - 150                  |
|       | FRS 510  | orange*     | 5 - 20                     |
|       |  | blue        | 10 - 30                    |
|       |  | red         | 25 - 55                    |
|       |  | yellow      | 30 - 70                    |
|       |  | black       | 60 - 110                   |
|       |  | pink        | 100 - 150                  |
|       | FRS 5040   | orange*     | 5 - 20                     |
|       | FRS 515  | blue        | 10 - 30                    |
|       |  | red         | 25 - 55                    |
|       |  | yellow      | 30 - 70                    |
|       |  | black       | 60 - 110                   |
|       |  | pink        | 100 - 150                  |
|       |  | grey        | 140 - 200                  |
|       | FRS 5050/1   | orange*     | 5 - 20                     |
|       | FRS 520/1  | blue        | 10 - 30                    |
|       |  | red         | 25 - 55                    |
|       |  | yellow      | 30 - 70                    |
|       |  | black       | 60 - 110                   |
|       |  | pink        | 100 - 150                  |
|       |  | grey        | 140 - 200                  |
|       | FRS 5065   | orange*     | 5 - 20                     |
|       | FRS 5080   | blue        | 10 - 30                    |
|       |  | red         | 25 - 55                    |
|       |  | yellow      | 30 - 70                    |
|       |  | black       | 60 - 110                   |
|       |  | pink        | 100 - 150                  |
|       |  | grey        | 140 - 200                  |
|       | FRS 5100   | orange*     | 5 - 20                     |
|       |  | blue        | 10 - 30                    |
|       |  | red         | 25 - 55                    |
|       |  | yellow      | 30 - 70                    |
|       |  | black       | 60 - 110                   |
|       |  | pink        | 100 - 150                  |
|       |  | grey        | 140 - 200                  |
|       | FRS 5125   | orange*     | 5 - 20                     |
|       |  | blue        | 10 - 30                    |
|       |  | red         | 25 - 55                    |
|       |  | yellow      | 30 - 70                    |
|       |  | black       | 60 - 110                   |
|       |  | pink        | 100 - 150                  |
|       |  | grey        | 140 - 200                  |
|       | FRS 5150   | orange*     | 5 - 20                     |
|       |  | blue        | 10 - 30                    |
|       |  | red         | 25 - 55                    |
|       |  | yellow      | 30 - 70                    |
|       |  | black       | 60 - 110                   |
|       |  | pink        | 100 - 150                  |
|       |  | grey        | 140 - 200                  |

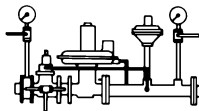
\*Factory selection

| No.   | Dénomination  |         |                         |
|-------|---|---------|-------------------------|
| 2.504 | <b>Ressorts pour régulateur basse pression, en pièces détachées</b> |         |                         |
|       | Régulateur - Type   | Couleur | Pression de sortie mbar |
|       | FRS 503   | orange* | 5 - 20                  |
|       | FRS 505   | bleu    | 10 - 30                 |
|       |   | rouge   | 25 - 55                 |
|       |   | jaune   | 30 - 70                 |
|       |   | noir    | 60 - 110                |
|       |   | rose    | 100 - 150               |
|       | FRS 507   | orange* | 5 - 20                  |
|       |   | bleu    | 10 - 30                 |
|       |   | rouge   | 25 - 55                 |
|       |   | jaune   | 30 - 70                 |
|       |   | noir    | 60 - 110                |
|       |   | rose    | 100 - 150               |
|       | FRS 510   | orange* | 5 - 20                  |
|       |   | bleu    | 10 - 30                 |
|       |   | rouge   | 25 - 55                 |
|       |   | jaune   | 30 - 70                 |
|       |   | noir    | 60 - 110                |
|       |   | rose    | 100 - 150               |
|       | FRS 5040  | orange* | 5 - 20                  |
|       | FRS 515   | bleu    | 10 - 30                 |
|       |   | rouge   | 25 - 55                 |
|       |   | jaune   | 30 - 70                 |
|       |   | noir    | 60 - 110                |
|       |   | rose    | 100 - 150               |
|       |   | gris    | 140 - 200               |
|       | FRS 5050/1  | orange* | 5 - 20                  |
|       | FRS 520/1   | bleu    | 10 - 30                 |
|       |   | rouge   | 25 - 55                 |
|       |   | jaune   | 30 - 70                 |
|       |   | noir    | 60 - 110                |
|       |   | rose    | 100 - 150               |
|       |   | gris    | 140 - 200               |
|       | FRS 5065  | orange* | 5 - 20                  |
|       | FRS 5080  | bleu    | 10 - 30                 |
|       |   | rouge   | 25 - 55                 |
|       |   | jaune   | 30 - 70                 |
|       |   | noir    | 60 - 110                |
|       |   | rose    | 100 - 150               |
|       |   | gris    | 140 - 200               |
|       | FRS 5100  | orange* | 5 - 20                  |
|       |   | bleu    | 10 - 30                 |
|       |   | rouge   | 25 - 55                 |
|       |   | jaune   | 30 - 70                 |
|       |   | noir    | 60 - 110                |
|       |   | rose    | 100 - 150               |
|       |   | gris    | 140 - 200               |
|       | FRS 5125  | orange* | 5 - 20                  |
|       |   | bleu    | 10 - 30                 |
|       |   | rouge   | 25 - 55                 |
|       |   | jaune   | 30 - 70                 |
|       |   | noir    | 60 - 110                |
|       |   | rose    | 100 - 150               |
|       |   | gris    | 140 - 200               |
|       | FRS 5150  | orange* | 5 - 20                  |
|       |   | bleu    | 10 - 30                 |
|       |   | rouge   | 25 - 55                 |
|       |   | jaune   | 30 - 70                 |
|       |   | noir    | 60 - 110                |
|       |   | rose    | 100 - 150               |
|       |   | gris    | 140 - 200               |

\* Equipement de série du régulateur



2.505



2.506

| Nr.   | Bezeichnung  | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |
|-------|--|--|-------------------------|
|       | <b>Druckregelgeräte für Hochdruck mit Sicherheitseinrichtungen</b><br>Technische Erläuterung siehe Broschüren Druck Nr. 83001201 und 83197901<br>Nicht geeignet für Klär- und Biogase. Dafür notwendige buntmetalfreie Sonderausführungen auf Anfrage. |  |                         |
| 2.505 | <b>Kompaktgerät</b>  |  |                         |
|       | Typ                      Regler-Typ                      DN  |  |                         |
|       | 06/1                      133 - 5 - 72                      25   | 151 336 26 660                             |                         |
|       | 07/1                      133 - 5 - 72                      25   | 151 336 26 670                             |                         |
|       | 08/1                      133 - 5 - 72                      25   | 151 336 26 460                             |                         |
|       | 09/1                      133 - 5 - 72                      25   | 151 336 26 470                             |                         |
|       | <b>Kompaktgerät mit Sicherheitsmembrane *</b>  |  |                         |
|       | 06/1S                      133 - 730                      25   | 151 336 26 680                             |                         |
|       | 07/1S                      133 - 730                      25   | 151 336 26 690                             |                         |
|       | 08/1S                      133 - 730                      25   | 151 336 26 700                             |                         |
|       | 09/1S                      133 - 730                      25   | 151 336 26 710                             |                         |
|       | <b>Kompaktgerät</b>  |  |                         |
|       | 1/1                      233 - 12 - 5 - 72                      50   | 151 336 26 480                             |                         |
|       | 2/1                      233 - 12 - 5 - 72                      50   | 151 336 26 490                             |                         |
|       | 3/1                      233 - 12 - 5 - 72                      50   | 151 336 26 500                             |                         |
|       | 4/1                      233 - 12 - 5 - 72                      50   | 151 336 26 510                             |                         |
|       | 5/1                      244 - 12 - 5 - 72                      50   | 151 336 26 520                             |                         |
|       | <b>Kompaktgerät mit Sicherheitsmembrane *</b>  |  |                         |
|       | 1/1S                      233 - 12 - 730                      50   | 151 336 26 720                             |                         |
|       | 2/1S                      233 - 12 - 730                      50   | 151 336 26 730                             |                         |
|       | 3/1S                      233 - 12 - 730                      50   | 151 336 26 740                             |                         |
|       | 4/1S                      233 - 12 - 730                      50   | 151 336 26 750                             |                         |
| 2.506 | <b>Reglergruppen Baugröße 5 - 9</b>  |  |                         |
|       | Typ                      Regler-Typ                      DN  |  |                         |
|       | 5/1-25-50                      RR 16-25-31-8N-033                      25  | 151 336 26 370                             |                         |
|       | 5/1-25-80                      RR 16-25-31-8N-033                      25  | 151 336 26 530                             |                         |
|       | 6/1-50-50                      RR 16-50-31-8N-033                      50  | 151 336 26 380                             |                         |
|       | 6/1-50-80                      RR 16-50-31-8N-033                      50  | 151 336 26 390                             |                         |
|       | 6/1A-50-50                      RR 16-50-42-8N-033                      50   | 151 336 26 630                             |                         |
|       | 6/1A-50-80                      RR 16-50-42-8N-033                      50   | 151 336 26 640                             |                         |
|       | 6/1A-50-100                      RR 16-50-42-8N-033                      50  | 151 336 26 650                             |                         |
|       | 7/1-50-50                      RR 16-50-54-12N-033                      50   | 151 336 26 400                             |                         |
|       | 7/1-50-80                      RR 16-50-54-12N-033                      50   | 151 336 26 410                             |                         |
|       | 7/1-50-100                      RR 16-50-54-12N-033                      50  | 151 336 26 420                             |                         |
|       | 8/1-80-80                      RR 16-80-82-12N-033                      80   | 151 336 26 430                             |                         |
|       | 8/1-80-100                      RR 16-80-82-12N-033                      80  | 151 336 26 440                             |                         |
|       | 8/1-80-150                      RR 16-80-82-12N-033                      80  | 151 336 26 450                             |                         |
|       | 9/1-100-100                      RBE 4020                      100   | 151 336 26 760                             |                         |
|       | 9/1-100-150                      RBE 4020                      100   | 151 336 26 770                             |                         |
| 2.507 | <b>Druckregelgeräte für Hochdruck mit Sicherheitseinrichtungen</b><br>für Ausgangsdrücke 180 - 350 mbar  |  |                         |
|       | Typ                      Regler-Typ                      DN  |  |                         |
|       | 5/2a-So-25/80                      RR 16-25-31-8N-SL-IZN.1                      25   | 151 336 26 780                             |                         |
|       | 6/2-So-50/100                      RR 16-50-31-8N-SL-IZN.1                      50   | 151 336 26 790                             |                         |
|       | 6/2a-So-50/100                      RR 16-50-42-8N-SL-IZN.1                      50  | 151 336 26 800                             |                         |
|       | 7/1-So-50/100                      RR 16-50-54-8N-SL-IZN.1                      50   | 151 336 26 810                             |                         |
|       | 8/1-So-80/150                      RR16-80-82-8N-SL-IZN.1                      80  | 151 336 26 820                             |                         |
|       | 9/1-So-100/150                      RBE 4020                      100  | 151 336 26 830                             |                         |
|       | <b>Druckregelgeräte für Hochdruck mit Sicherheitseinrichtungen</b><br>für Ausgangsdrücke 350 - 500 mbar  |  |                         |
|       | Typ                      Regler-Typ                      DN  |  |                         |
|       | 6/2a-So-50/150                      RR16-50-42-8N-SL-IZN.1                      50   | 151 336 26 870                             |                         |
|       | 6/2a-SoH-50/150                      RR16-50-42-8H-SL-IZN.1                      50  | 151 336 26 840                             |                         |
|       | 7/1-So-50/150                      RR16-50-54-8N-SL-IZN.1                      50  | 151 336 26 880                             |                         |
|       | 7/1-SoH-50/150                      RR16-50-54-8H-SL-IZN.1                      50   | 151 336 26 850                             |                         |
|       | 8/1-SoH-80/150                      RR16-80-82-8H-SL-IZN.1                      80   | 151 336 26 860                             |                         |

No. Designation

**Pressure regulators for high pressure with safety device**  
 Technical explanation, see brochure print No. 83001202 and 1979  
 Not suitable for sewage gas or Biogas. The special, non ferrous metal version required is available on request.

| 2.505 Compact unit |                |    |           |             |                        |
|--------------------|----------------|----|-----------|-------------|------------------------|
| Type               | Regulator type | DN | Nozzle mm | Nozzle inch | Supply press. max. bar |
| 06/1               | 133 - 5 - 72   | 25 | 3,0       | 1/8"        | 5,0                    |
| 07/1               | 133 - 5 - 72   | 25 | 4,7       | 3/16"       | 5,0                    |
| 08/1               | 133 - 5 - 72   | 25 | 6,3       | 1/4"        | 3,0                    |
| 09/1               | 133 - 5 - 72   | 25 | 12,5      | 1/2"        | 1,5                    |

**Compact unit with safety diaphragm**  
 (Attention: Delivery time approx. 6 weeks)

|       |           |    |      |       |     |
|-------|-----------|----|------|-------|-----|
| 06/1S | 133 - 730 | 25 | 3,0  | 1/8"  | 1,0 |
| 07/1S | 133 - 730 | 25 | 4,7  | 3/16" | 1,0 |
| 08/1S | 133 - 730 | 25 | 6,3  | 1/4"  | 1,0 |
| 09/1S | 133 - 730 | 25 | 12,5 | 1/2"  | 1,0 |

**Compact unit**

|     |                   |    |      |      |     |
|-----|-------------------|----|------|------|-----|
| 1/1 | 233 - 12 - 5 - 72 | 50 | 10   | 3/8" | 5,0 |
| 2/1 | 233 - 12 - 5 - 72 | 50 | 12,5 | 1/2" | 5,0 |
| 3/1 | 233 - 12 - 5 - 72 | 50 | 20   | 3/4" | 2,5 |
| 4/1 | 233 - 12 - 5 - 72 | 50 | 25   | 1"   | 1,0 |
| 5/1 | 244 - 12 - 5 - 72 | 50 | 27,5 | -    | 4,0 |

**Compact unit with safety diaphragm**  
 (Attention: Delivery time approx. 6 weeks)

|      |                |    |      |      |     |
|------|----------------|----|------|------|-----|
| 1/1S | 233 - 12 - 730 | 50 | 10   | 3/8" | 1,0 |
| 2/1S | 233 - 12 - 730 | 50 | 12,5 | 1/2" | 1,0 |
| 3/1S | 233 - 12 - 730 | 50 | 20   | 3/4" | 1,0 |
| 4/1S | 233 - 12 - 730 | 50 | 25   | 1"   | 1,0 |

| 2.506 Regulator groups sizes 5 - 9 |                     |     |                        |  |
|------------------------------------|---------------------|-----|------------------------|--|
| Type                               | Regulator type      | DN  | Supply press. max. bar |  |
| 5/1-25-50                          | RR 16-25-31-8N-033  | 25  | 5                      |  |
| 5/1-25-80                          | RR 16-25-31-8N-033  | 25  | 5                      |  |
| 6/1-50-50                          | RR 16-50-31-8N-033  | 50  | 5                      |  |
| 6/1-50-80                          | RR 16-50-31-8N-033  | 50  | 5                      |  |
| 6/1A-50-50                         | RR 16-50-42-8N-033  | 50  | 5                      |  |
| 6/1A-50-80                         | RR 16-50-42-8N-033  | 50  | 5                      |  |
| 6/1A-50-100                        | RR 16-50-42-8N-033  | 50  | 5                      |  |
| 7/1-50-50                          | RR 16-50-54-12N-033 | 50  | 5                      |  |
| 7/1-50-80                          | RR 16-50-54-12N-033 | 50  | 5                      |  |
| 7/1-50-100                         | RR 16-50-54-12N-033 | 50  | 5                      |  |
| 8/1-80-80                          | RR 16-80-82-12N-033 | 80  | 4                      |  |
| 8/1-80-100                         | RR 16-80-82-12N-033 | 80  | 4                      |  |
| 8/1-80-150                         | RR 16-80-82-12N-033 | 80  | 4                      |  |
| 9/1-100-100                        | RBE 4020            | 100 | 5                      |  |
| 9/1-100-150                        | RBE 4020            | 100 | 5                      |  |

Additional price for version sewage gas on request

2.507 **Pressure regulators for high pressure with safety assemblies**  
 for outlet pressures 180 - 350 mbar

| Type           | Regulator type          | DN  |
|----------------|-------------------------|-----|
| 5/2a-So-25/80  | RR 16-25-31-8N-SL-IZN.1 | 25  |
| 6/2-So-50/100  | RR 16-50-31-8N-SL-IZN.1 | 50  |
| 6/2a-So-50/100 | RR 16-50-42-8N-SL-IZN.1 | 50  |
| 7/1-So-50/100  | RR 16-50-54-8N-SL-IZN.1 | 50  |
| 8/1-So-80/150  | RR16-80-82-8N-SL-IZN.1  | 80  |
| 9/1-So-100/150 | RBE 4020                | 100 |

**Pressure regulators for high pressure with safety assemblies**  
 for outlet pressures 350 - 500 mbar

| Type            | Regulator type         | DN |
|-----------------|------------------------|----|
| 6/2a-So-50/150  | RR16-50-42-8N-SL-IZN.1 | 50 |
| 6/2a-SoH-50/150 | RR16-50-42-8H-SL-IZN.1 | 50 |
| 7/1-So-50/150   | RR16-50-54-8N-SL-IZN.1 | 50 |
| 7/1-SoH-50/150  | RR16-50-54-8H-SL-IZN.1 | 50 |
| 8/1-SoH-80/150  | RR16-80-82-8H-SL-IZN.1 | 80 |

No. Dénomination

**Régulateurs haute pression avec dispositif de sécurité**  
 Explications techniques voir brochure n° d'impr. 12 et 1979  
 Non adapté pour biogaz et gaz station d'épuration. Exécutions spéciales pour biogaz exempt de métaux lourds sur demande.

| 2.505 Appareil compact |                 |    |            |               |                         |
|------------------------|-----------------|----|------------|---------------|-------------------------|
| Type                   | Régulateur type | DN | Gicleur mm | Gicleur pouce | Pression amont max. bar |
| 06/1                   | 133 - 5 - 72    | 25 | 3,0        | 1/8"          | 5,0                     |
| 07/1                   | 133 - 5 - 72    | 25 | 4,7        | 3/16"         | 5,0                     |
| 08/1                   | 133 - 5 - 72    | 25 | 6,3        | 1/4"          | 3,0                     |
| 09/1                   | 133 - 5 - 72    | 25 | 12,5       | 1/2"          | 1,5                     |

**Appareil compact avec membrane de sécurité**  
 (attention : délai de livraison 6 semaines)

|       |           |    |      |       |     |
|-------|-----------|----|------|-------|-----|
| 06/1S | 133 - 730 | 25 | 3,0  | 1/8"  | 1,0 |
| 07/1S | 133 - 730 | 25 | 4,7  | 3/16" | 1,0 |
| 08/1S | 133 - 730 | 25 | 6,3  | 1/4"  | 1,0 |
| 09/1S | 133 - 730 | 25 | 12,5 | 1/2"  | 1,0 |

**Appareil compact**

|     |                   |    |      |      |     |
|-----|-------------------|----|------|------|-----|
| 1/1 | 233 - 12 - 5 - 72 | 50 | 10   | 3/8" | 5,0 |
| 2/1 | 233 - 12 - 5 - 72 | 50 | 12,5 | 1/2" | 5,0 |
| 3/1 | 233 - 12 - 5 - 72 | 50 | 20   | 3/4" | 2,5 |
| 4/1 | 233 - 12 - 5 - 72 | 50 | 25   | 1"   | 1,0 |
| 5/1 | 244 - 12 - 5 - 72 | 50 | 27,5 | -    | 4,0 |

**Appareil compact avec membrane de sécurité**  
 (attention : délai de livraison 6 semaines)

|      |                |    |      |      |     |
|------|----------------|----|------|------|-----|
| 1/1S | 233 - 12 - 730 | 50 | 10   | 3/8" | 1,0 |
| 2/1S | 233 - 12 - 730 | 50 | 12,5 | 1/2" | 1,0 |
| 3/1S | 233 - 12 - 730 | 50 | 20   | 3/4" | 1,0 |
| 4/1S | 233 - 12 - 730 | 50 | 25   | 1"   | 1,0 |

| 2.506 Groupes de régulation grandeur 5 - 9 |                     |     |                         |  |
|--|---------------------|-----|-------------------------|--|
| Type                                       | Régulateur type     | DN  | Pression amont max. bar |  |
| 5/1-25-50                                  | RR 16-25-31-8N-033  | 25  | 5                       |  |
| 5/1-25-80                                  | RR 16-25-31-8N-033  | 25  | 5                       |  |
| 6/1-50-50                                  | RR 16-50-31-8N-033  | 50  | 5                       |  |
| 6/1-50-80                                  | RR 16-50-31-8N-033  | 50  | 5                       |  |
| 6/1A-50-50                                 | RR 16-50-42-8N-033  | 50  | 5                       |  |
| 6/1A-50-80                                 | RR 16-50-42-8N-033  | 50  | 5                       |  |
| 6/1A-50-100                                | RR 16-50-42-8N-033  | 50  | 5                       |  |
| 7/1-50-50                                  | RR 16-50-54-12N-033 | 50  | 5                       |  |
| 7/1-50-80                                  | RR 16-50-54-12N-033 | 50  | 5                       |  |
| 7/1-50-100                                 | RR 16-50-54-12N-033 | 50  | 5                       |  |
| 8/1-80-80                                  | RR 16-80-82-12N-033 | 80  | 4                       |  |
| 8/1-80-100                                 | RR 16-80-82-12N-033 | 80  | 4                       |  |
| 8/1-80-150                                 | RR 16-80-82-12N-033 | 80  | 4                       |  |
| 9/1-100-100                                | RBE 4020            | 100 | 5                       |  |
| 9/1-100-150                                | RBE 4020            | 100 | 5                       |  |

Plus-value pour exécution biogaz

2.507 **Régulateurs haute pression avec dispositif de sécurité**  
 pour pressions de sortie 180 - 350 mbar

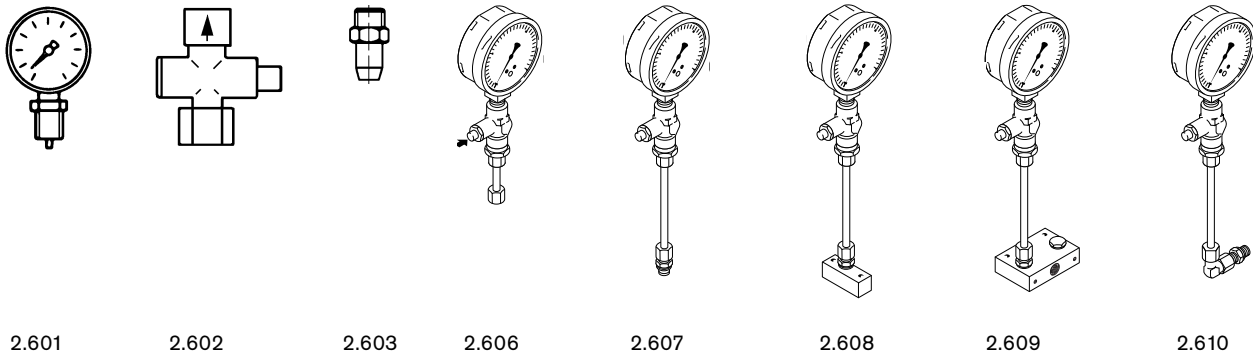
| Type           | Régulateur type         | DN  |
|----------------|-------------------------|-----|
| 5/2a-So-25/80  | RR 16-25-31-8N-SL-IZN.1 | 25  |
| 6/2-So-50/100  | RR 16-50-31-8N-SL-IZN.1 | 50  |
| 6/2a-So-50/100 | RR 16-50-42-8N-SL-IZN.1 | 50  |
| 7/1-So-50/100  | RR 16-50-54-8N-SL-IZN.1 | 50  |
| 8/1-So-80/150  | RR16-80-82-8N-SL-IZN.1  | 80  |
| 9/1-So-100/150 | RBE 4020                | 100 |

**Régulateurs haute pression avec dispositif de sécurité**  
 pour pressions de sortie 350 - 500 mbar

| Type            | Régulateur type        | DN |
|-----------------|------------------------|----|
| 6/2a-So-50/150  | RR16-50-42-8N-SL-IZN.1 | 50 |
| 6/2a-SoH-50/150 | RR16-50-42-8H-SL-IZN.1 | 50 |
| 7/1-So-50/150   | RR16-50-54-8N-SL-IZN.1 | 50 |
| 7/1-SoH-50/150  | RR16-50-54-8H-SL-IZN.1 | 50 |
| 8/1-SoH-80/150  | RR16-80-82-8H-SL-IZN.1 | 80 |

| Nr.   | Bezeichnung   | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |
|-------|---|--|-------------------------|
|       | <b>Federn für Ausgangsdruck &gt;200 mbar</b>  |  |                         |
|       | Reglertyp      Ausgangsdruck mbar      Farbe  |  |                         |
|       | RR 16          200 - 330                  orange  | 490 179                                    |                         |
|       | RR 16          300 - 450                  schwarz                                       | 490 195                                    |                         |
|       | RBE 4020      180 - 290                  silber   | 490 237                                    |                         |
|       | RBE 4020      240 - 370                  violett  | 490 234                                    |                         |
|       | RBE 4020      380 - 500                  rot  | 490 240                                    |                         |
|       | (* Achtung: Lieferzeit ca. 6 Wochen)  |  |                         |
| 2.508 | <b>Federn für Ausgangsdruck</b>   |  |                         |
|       | Reglertyp      Einstellbereich mbar      Farbe  |  |                         |
|       | 06/1 bis 09/1    12 - 20                  blau  | 490 031                                    |                         |
|       | 06/1 bis 09/1    15 - 35                  grün  | 490 032                                    |                         |
|       | 06/1 bis 09/1    30 - 70                  orange  | 490 033                                    |                         |
|       | 06/1 bis 09/1    50 - 140                schwarz/weiß                                   | 490 030                                    |                         |
|       | 06/1 bis 09/1    100 - 210                silber (blank)                                | 490 029                                    |                         |
|       | 1/1 - 5/1        15 - 35                  grün  | 490 085                                    |                         |
|       | 1/1 - 5/1        30 - 70                  orange  | 490 086                                    |                         |
|       | 1/1 - 5/1        70 - 140                schwarz  | 490 087                                    |                         |
|       | 1/1 - 5/1        100 - 210                silber (blank)                                | 490 088                                    |                         |
|       | 5/1 - 6/1        15 - 35                  orange/grau                                   | 490 190                                    |                         |
|       | 5/1 - 6/1        30 - 70                  gelb/schwarz                                  | 490 191                                    |                         |
|       | 5/1 - 6/1        70 - 140                rot/blau                                       | 490 192                                    |                         |
|       | 5/1 - 6/1        100 - 210                grün/weiß                                     | 490 194                                    |                         |
|       | 7/1 - 8/1        15 - 35                  gelb/schwarz                                  | 490 191                                    |                         |
|       | 7/1 - 8/1        30 - 70                  rot/blau                                      | 490 192                                    |                         |
|       | 7/1 - 8/1        70 - 140                blau/grün                                      | 490 193                                    |                         |
|       | 7/1 - 8/1        100 - 210                schwarz                                       | 490 195                                    |                         |
|       | 9/1              120 - 240                blau  | 490 238                                    |                         |
| 2.509 | <b>Kompaktgerät</b><br>für Drücke größer 4 bar  |  |                         |
|       | Typ              Regler-Typ      DN              Düse              Vordruck<br>max. bar |  |                         |
|       | 07/2-25/50      133-6-66        25/50          3                  6                     | 151 336 26 590                             |                         |
|       | 08/2-25/50      133-6-66        25/50          4,7              6                       | 151 336 26 600                             |                         |
|       | 1/2-50/50        233-12-6-66    50              10                6                     | 151 336 26 610                             |                         |
|       | 2/2-50/50        233-12-6-66    50              12,5            6                       | 151 336 26 620                             |                         |
| 2.510 | <b>Federn für Ausgangsdruck</b>   |  |                         |
|       | Reglertyp      Einstellbereich mbar      Farbe  |  |                         |
|       | 07/2 und 08/2    12 - 20                  blau  | 490 031                                    |                         |
|       | 07/2 und 08/2    15 - 35                  grün  | 490 032                                    |                         |
|       | 07/2 und 08/2    30 - 70                  orange  | 490 033                                    |                         |
|       | 07/2 und 08/2    50 - 140                schwarz/weiß                                   | 490 030                                    |                         |
|       | 07/2 und 08/2    100 - 210                silber  | 490 029                                    |                         |
|       | 1/2 und 2/2      15 - 35                  grün  | 490 085                                    |                         |
|       | 1/2 und 2/2      30 - 70                  orange  | 490 086                                    |                         |
|       | 1/2 und 2/2      70 - 140                schwarz  | 490 087                                    |                         |
|       | 1/2 und 2/2      100 - 210                silber  | 490 088                                    |                         |
| 2.511 | <b>Reglergruppen Baugröße 5 und 6</b><br>für Drücke größer 4 bar                        |  |                         |
|       | Typ              Regler-Typ      DN              Düse              Vordruck<br>max. bar |  |                         |
|       | 5/2-25/80        RR16-25-24-8N-SL-IZN.1    25              24              10           | 151 336 26 540                             |                         |
|       | 5/2a-25/80       RR16-25-31-8N-SL-IZN.1    25              31              10           | 151 336 26 550                             |                         |
|       | 6/2-50/100       RR16-50-31-8N-SL-IZN.1    50              31              10           | 151 336 26 570                             |                         |
|       | 6/2a-50/100      RR16-50-42-8N-SL-IZN.1    50              42              10           | 151 336 26 580                             |                         |
| 2.512 | <b>Steckschlüsseinsatz</b> zur Einstellung SBV<br>für Innensechskant 1/2" (SW13)        | 669 495                                    |                         |

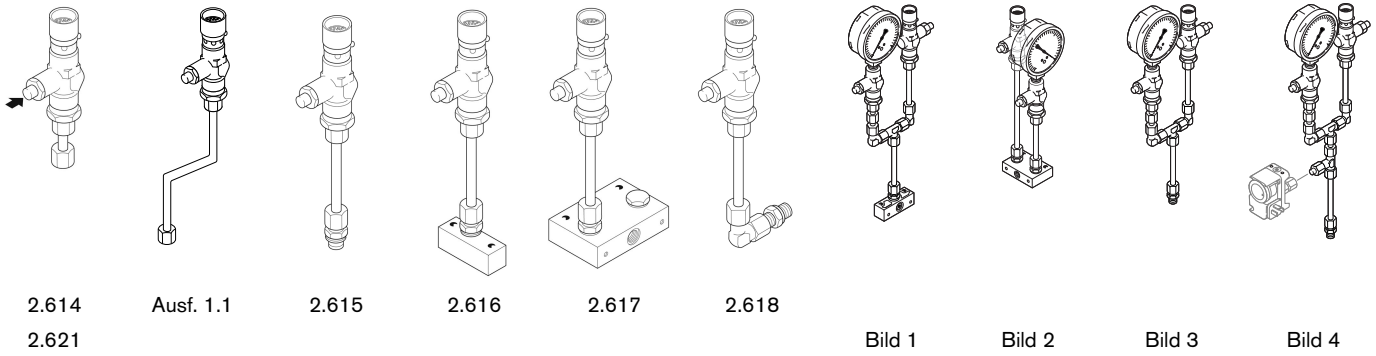
| No.               | Designation   | No.                | Dénomination  |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
|-------------------|---|--------------------|---|-------------------------|---------------|------------------------|------------|------------------------|-----------|-------|---------------|------------|------------------------|---------------|-----------|-------------|---------------|------------------------|--------|-------------|--|-----------------|-------------------------|---------|--------|-------------|----------|---|-------------|-----------------|----------|-----------|--|-----------------|------------------------|---------|--------------|-----------|------------|------------------------|-----------|-----------|--------------|------------|------------------------|--------------|-----------|------------|--------------|------------------------|----------|------------|-----------|-----------|------------|---------|-----------|------------|----------|--|-----------------|-----------------------|---------|-------------------|---------|------|-------------------|---------|------|-------------------|---------|--------|-------------------|----------|------------|-------------------|-----------|--------------------|-----------|---------|------|-----------|---------|--------|-----------|----------|------|-----------|-----------|--------------------|-----------|---------|-------------|-----------|---------|------------|-----------|----------|------------|-----------|-----------|------------|-----------|---------|------------|-----------|---------|------------|-----------|----------|-----------|-----------|-----------|------|-----|-----------|------|
|                   | <p><b>Springs for outlet pressure &gt;200 mbar</b></p> <table border="1"> <thead> <tr> <th>Regulator type</th> <th>Outlet pressure mbar</th> <th>Colour</th> </tr> </thead> <tbody> <tr> <td>RR 16</td> <td>200 - 330</td> <td>orange</td> </tr> <tr> <td>RR 16</td> <td>300 - 450</td> <td>black</td> </tr> <tr> <td>RBE 4020</td> <td>180 - 290</td> <td>silver</td> </tr> <tr> <td>RBE 4020</td> <td>240 - 370</td> <td>violet</td> </tr> <tr> <td>RBE 4020</td> <td>380 - 500</td> <td>red</td> </tr> </tbody> </table> <p>(* Note: Delivery time approximately 6 weeks)</p>  | Regulator type     | Outlet pressure mbar  | Colour                  | RR 16         | 200 - 330              | orange     | RR 16                  | 300 - 450 | black | RBE 4020      | 180 - 290  | silver                 | RBE 4020      | 240 - 370 | violet      | RBE 4020      | 380 - 500              | red    |             | <p><b>Ressorts pour pression de sortie &gt;200 mbar</b></p> <table border="1"> <thead> <tr> <th>Type régulateur</th> <th>Pression de sortie mbar</th> <th>Couleur</th> </tr> </thead> <tbody> <tr> <td>RR 16</td> <td>200 - 330</td> <td>orange</td> </tr> <tr> <td>RR 16</td> <td>300 - 450</td> <td>noir</td> </tr> <tr> <td>RBE 4020</td> <td>180 - 290</td> <td>argent</td> </tr> <tr> <td>RBE 4020</td> <td>240 - 370</td> <td>violet</td> </tr> <tr> <td>RBE 4020</td> <td>380 - 500</td> <td>rouge</td> </tr> </tbody> </table> <p>(* Attention : délai de livraison env. 6 semaines)</p> | Type régulateur | Pression de sortie mbar | Couleur | RR 16  | 200 - 330   | orange   | RR 16   | 300 - 450   | noir            | RBE 4020 | 180 - 290 | argent   | RBE 4020        | 240 - 370              | violet  | RBE 4020     | 380 - 500 | rouge      |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| Regulator type    | Outlet pressure mbar  | Colour             |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| RR 16             | 200 - 330   | orange             |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| RR 16             | 300 - 450   | black              |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| RBE 4020          | 180 - 290   | silver             |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| RBE 4020          | 240 - 370   | violet             |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| RBE 4020          | 380 - 500   | red                |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| Type régulateur   | Pression de sortie mbar   | Couleur            |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| RR 16             | 200 - 330   | orange             |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| RR 16             | 300 - 450   | noir               |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| RBE 4020          | 180 - 290   | argent             |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| RBE 4020          | 240 - 370   | violet             |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| RBE 4020          | 380 - 500   | rouge              |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 2.508             | <p><b>Springs for outlet pressure</b></p> <table border="1"> <thead> <tr> <th>Regulator type</th> <th>Setting range mbar</th> <th>Colour</th> </tr> </thead> <tbody> <tr> <td>06/1 bis 09/1</td> <td>12 - 20</td> <td>blue</td> </tr> <tr> <td>06/1 bis 09/1</td> <td>15 - 35</td> <td>green</td> </tr> <tr> <td>06/1 bis 09/1</td> <td>30 - 70</td> <td>orange</td> </tr> <tr> <td>06/1 bis 09/1</td> <td>50 - 140</td> <td>black/white</td> </tr> <tr> <td>06/1 bis 09/1</td> <td>100 - 210</td> <td>silver</td> </tr> <tr> <td>1/1 - 5/1</td> <td>15 - 35</td> <td>green</td> </tr> <tr> <td>1/1 - 5/1</td> <td>30 - 70</td> <td>orange</td> </tr> <tr> <td>1/1 - 5/1</td> <td>70 - 140</td> <td>black</td> </tr> <tr> <td>1/1 - 5/1</td> <td>100 - 210</td> <td>silver</td> </tr> <tr> <td>5/1 - 6/1</td> <td>15 - 35</td> <td>orange/grey</td> </tr> <tr> <td>5/1 - 6/1</td> <td>30 - 70</td> <td>yellow/black</td> </tr> <tr> <td>5/1 - 6/1</td> <td>70 - 140</td> <td>red/blue</td> </tr> <tr> <td>5/1 - 6/1</td> <td>100 - 210</td> <td>green/white</td> </tr> <tr> <td>7/1 - 8/1</td> <td>15 - 35</td> <td>yellow/black</td> </tr> <tr> <td>7/1 - 8/1</td> <td>30 - 70</td> <td>red/blue</td> </tr> <tr> <td>7/1 - 8/1</td> <td>70 - 140</td> <td>blue/green</td> </tr> <tr> <td>7/1 - 8/1</td> <td>100 - 210</td> <td>black</td> </tr> <tr> <td>9/1</td> <td>120 - 240</td> <td>blue</td> </tr> </tbody> </table> | Regulator type     | Setting range mbar  | Colour                  | 06/1 bis 09/1 | 12 - 20                | blue       | 06/1 bis 09/1          | 15 - 35   | green | 06/1 bis 09/1 | 30 - 70    | orange                 | 06/1 bis 09/1 | 50 - 140  | black/white | 06/1 bis 09/1 | 100 - 210              | silver | 1/1 - 5/1   | 15 - 35  | green           | 1/1 - 5/1               | 30 - 70 | orange | 1/1 - 5/1   | 70 - 140 | black   | 1/1 - 5/1   | 100 - 210       | silver   | 5/1 - 6/1 | 15 - 35  | orange/grey     | 5/1 - 6/1              | 30 - 70 | yellow/black | 5/1 - 6/1 | 70 - 140   | red/blue               | 5/1 - 6/1 | 100 - 210 | green/white  | 7/1 - 8/1  | 15 - 35                | yellow/black | 7/1 - 8/1 | 30 - 70    | red/blue     | 7/1 - 8/1              | 70 - 140 | blue/green | 7/1 - 8/1 | 100 - 210 | black      | 9/1     | 120 - 240 | blue       | 2.508    | <p><b>Ressorts pour pression de sortie</b></p> <table border="1"> <thead> <tr> <th>Régulateur type</th> <th>Plage de réglage mbar</th> <th>Couleur</th> </tr> </thead> <tbody> <tr> <td>06/1 jusqu'à 09/1</td> <td>12 - 20</td> <td>bleu</td> </tr> <tr> <td>06/1 jusqu'à 09/1</td> <td>15 - 35</td> <td>vert</td> </tr> <tr> <td>06/1 jusqu'à 09/1</td> <td>30 - 70</td> <td>orange</td> </tr> <tr> <td>06/1 jusqu'à 09/1</td> <td>50 - 140</td> <td>noir/blanc</td> </tr> <tr> <td>06/1 jusqu'à 09/1</td> <td>100 - 210</td> <td>argenté (brillant)</td> </tr> <tr> <td>1/1 - 5/1</td> <td>15 - 35</td> <td>vert</td> </tr> <tr> <td>1/1 - 5/1</td> <td>30 - 70</td> <td>orange</td> </tr> <tr> <td>1/1 - 5/1</td> <td>70 - 140</td> <td>noir</td> </tr> <tr> <td>1/1 - 5/1</td> <td>100 - 210</td> <td>argenté (brillant)</td> </tr> <tr> <td>5/1 - 6/1</td> <td>15 - 35</td> <td>orange/gris</td> </tr> <tr> <td>5/1 - 6/1</td> <td>30 - 70</td> <td>jaune/noir</td> </tr> <tr> <td>5/1 - 6/1</td> <td>70 - 140</td> <td>rouge/bleu</td> </tr> <tr> <td>5/1 - 6/1</td> <td>100 - 210</td> <td>vert/blanc</td> </tr> <tr> <td>7/1 - 8/1</td> <td>15 - 35</td> <td>jaune/noir</td> </tr> <tr> <td>7/1 - 8/1</td> <td>30 - 70</td> <td>rouge/bleu</td> </tr> <tr> <td>7/1 - 8/1</td> <td>70 - 140</td> <td>bleu/vert</td> </tr> <tr> <td>7/1 - 8/1</td> <td>100 - 210</td> <td>noir</td> </tr> <tr> <td>9/1</td> <td>120 - 240</td> <td>bleu</td> </tr> </tbody> </table> | Régulateur type | Plage de réglage mbar | Couleur | 06/1 jusqu'à 09/1 | 12 - 20 | bleu | 06/1 jusqu'à 09/1 | 15 - 35 | vert | 06/1 jusqu'à 09/1 | 30 - 70 | orange | 06/1 jusqu'à 09/1 | 50 - 140 | noir/blanc | 06/1 jusqu'à 09/1 | 100 - 210 | argenté (brillant) | 1/1 - 5/1 | 15 - 35 | vert | 1/1 - 5/1 | 30 - 70 | orange | 1/1 - 5/1 | 70 - 140 | noir | 1/1 - 5/1 | 100 - 210 | argenté (brillant) | 5/1 - 6/1 | 15 - 35 | orange/gris | 5/1 - 6/1 | 30 - 70 | jaune/noir | 5/1 - 6/1 | 70 - 140 | rouge/bleu | 5/1 - 6/1 | 100 - 210 | vert/blanc | 7/1 - 8/1 | 15 - 35 | jaune/noir | 7/1 - 8/1 | 30 - 70 | rouge/bleu | 7/1 - 8/1 | 70 - 140 | bleu/vert | 7/1 - 8/1 | 100 - 210 | noir | 9/1 | 120 - 240 | bleu |
| Regulator type    | Setting range mbar  | Colour             |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 06/1 bis 09/1     | 12 - 20   | blue               |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 06/1 bis 09/1     | 15 - 35   | green              |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 06/1 bis 09/1     | 30 - 70   | orange             |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 06/1 bis 09/1     | 50 - 140  | black/white        |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 06/1 bis 09/1     | 100 - 210   | silver             |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 1/1 - 5/1         | 15 - 35   | green              |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 1/1 - 5/1         | 30 - 70   | orange             |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 1/1 - 5/1         | 70 - 140  | black              |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 1/1 - 5/1         | 100 - 210   | silver             |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 5/1 - 6/1         | 15 - 35   | orange/grey        |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 5/1 - 6/1         | 30 - 70   | yellow/black       |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 5/1 - 6/1         | 70 - 140  | red/blue           |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 5/1 - 6/1         | 100 - 210   | green/white        |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 7/1 - 8/1         | 15 - 35   | yellow/black       |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 7/1 - 8/1         | 30 - 70   | red/blue           |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 7/1 - 8/1         | 70 - 140  | blue/green         |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 7/1 - 8/1         | 100 - 210   | black              |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 9/1               | 120 - 240   | blue               |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| Régulateur type   | Plage de réglage mbar   | Couleur            |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 06/1 jusqu'à 09/1 | 12 - 20   | bleu               |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 06/1 jusqu'à 09/1 | 15 - 35   | vert               |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 06/1 jusqu'à 09/1 | 30 - 70   | orange             |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 06/1 jusqu'à 09/1 | 50 - 140  | noir/blanc         |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 06/1 jusqu'à 09/1 | 100 - 210   | argenté (brillant) |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 1/1 - 5/1         | 15 - 35   | vert               |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 1/1 - 5/1         | 30 - 70   | orange             |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 1/1 - 5/1         | 70 - 140  | noir               |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 1/1 - 5/1         | 100 - 210   | argenté (brillant) |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 5/1 - 6/1         | 15 - 35   | orange/gris        |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 5/1 - 6/1         | 30 - 70   | jaune/noir         |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 5/1 - 6/1         | 70 - 140  | rouge/bleu         |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 5/1 - 6/1         | 100 - 210   | vert/blanc         |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 7/1 - 8/1         | 15 - 35   | jaune/noir         |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 7/1 - 8/1         | 30 - 70   | rouge/bleu         |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 7/1 - 8/1         | 70 - 140  | bleu/vert          |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 7/1 - 8/1         | 100 - 210   | noir               |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 9/1               | 120 - 240   | bleu               |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 2.509             | <p><b>Compact unit</b><br/>for pressures above 4 bar</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Regulator type</th> <th>DN</th> <th>Nozzle</th> <th>Supply press. max. bar</th> </tr> </thead> <tbody> <tr> <td>07/2-25/50</td> <td>133-6-66</td> <td>25/50</td> <td>3</td> <td>6</td> </tr> <tr> <td>08/2-25/50</td> <td>133-6-66</td> <td>25/50</td> <td>4,7</td> <td>6</td> </tr> <tr> <td>1/2-50/50</td> <td>233-12-6-66</td> <td>50</td> <td>10</td> <td>6</td> </tr> <tr> <td>2/2-50/50</td> <td>233-12-6-66</td> <td>50</td> <td>12,5</td> <td>6</td> </tr> </tbody> </table>   | Type               | Regulator type  | DN                      | Nozzle        | Supply press. max. bar | 07/2-25/50 | 133-6-66               | 25/50     | 3     | 6             | 08/2-25/50 | 133-6-66               | 25/50         | 4,7       | 6           | 1/2-50/50     | 233-12-6-66            | 50     | 10          | 6  | 2/2-50/50       | 233-12-6-66             | 50      | 12,5   | 6           | 2.509    | <p><b>Appareil compact</b><br/>pour pressions supérieures à 4 bar</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Régulateur type</th> <th>DN</th> <th>Gicleur</th> <th>Pression amont max. bar</th> </tr> </thead> <tbody> <tr> <td>07/2-25/50</td> <td>133-6-66</td> <td>25/50</td> <td>3</td> <td>6</td> </tr> <tr> <td>08/2-25/50</td> <td>133-6-66</td> <td>25/50</td> <td>4,7</td> <td>6</td> </tr> <tr> <td>1/2-50/50</td> <td>233-12-6-66</td> <td>50</td> <td>10</td> <td>6</td> </tr> <tr> <td>2/2-50/50</td> <td>233-12-6-66</td> <td>50</td> <td>12,5</td> <td>6</td> </tr> </tbody> </table>   | Type        | Régulateur type | DN       | Gicleur   | Pression amont max. bar  | 07/2-25/50      | 133-6-66               | 25/50   | 3            | 6         | 08/2-25/50 | 133-6-66               | 25/50     | 4,7       | 6            | 1/2-50/50  | 233-12-6-66            | 50           | 10        | 6          | 2/2-50/50    | 233-12-6-66            | 50       | 12,5       | 6         |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| Type              | Regulator type  | DN                 | Nozzle  | Supply press. max. bar  |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 07/2-25/50        | 133-6-66  | 25/50              | 3   | 6                       |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 08/2-25/50        | 133-6-66  | 25/50              | 4,7   | 6                       |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 1/2-50/50         | 233-12-6-66   | 50                 | 10  | 6                       |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 2/2-50/50         | 233-12-6-66   | 50                 | 12,5  | 6                       |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| Type              | Régulateur type   | DN                 | Gicleur   | Pression amont max. bar |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 07/2-25/50        | 133-6-66  | 25/50              | 3   | 6                       |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 08/2-25/50        | 133-6-66  | 25/50              | 4,7   | 6                       |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 1/2-50/50         | 233-12-6-66   | 50                 | 10  | 6                       |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 2/2-50/50         | 233-12-6-66   | 50                 | 12,5  | 6                       |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 2.510             | <p><b>Springs for outlet pressure</b></p> <table border="1"> <thead> <tr> <th>Regulator type</th> <th>Setting range mbar</th> <th>Colour</th> </tr> </thead> <tbody> <tr> <td>07/2 and 08/2</td> <td>12 - 20</td> <td>blue</td> </tr> <tr> <td>07/2 and 08/2</td> <td>15 - 35</td> <td>green</td> </tr> <tr> <td>07/2 and 08/2</td> <td>30 - 70</td> <td>orange</td> </tr> <tr> <td>07/2 and 08/2</td> <td>50 - 140</td> <td>black/white</td> </tr> <tr> <td>07/2 and 08/2</td> <td>100 - 210</td> <td>silver</td> </tr> <tr> <td>1/2 and 2/2</td> <td>15 - 35</td> <td>green</td> </tr> <tr> <td>1/2 and 2/2</td> <td>30 - 70</td> <td>orange</td> </tr> <tr> <td>1/2 and 2/2</td> <td>70 - 140</td> <td>black</td> </tr> <tr> <td>1/2 and 2/2</td> <td>100 - 210</td> <td>silver</td> </tr> </tbody> </table>   | Regulator type     | Setting range mbar  | Colour                  | 07/2 and 08/2 | 12 - 20                | blue       | 07/2 and 08/2          | 15 - 35   | green | 07/2 and 08/2 | 30 - 70    | orange                 | 07/2 and 08/2 | 50 - 140  | black/white | 07/2 and 08/2 | 100 - 210              | silver | 1/2 and 2/2 | 15 - 35  | green           | 1/2 and 2/2             | 30 - 70 | orange | 1/2 and 2/2 | 70 - 140 | black   | 1/2 and 2/2 | 100 - 210       | silver   | 2.510     | <p><b>Ressorts pour pression de sortie</b></p> <table border="1"> <thead> <tr> <th>Régulateur type</th> <th>Plage de réglage mbar</th> <th>Couleur</th> </tr> </thead> <tbody> <tr> <td>07/2 et 08/2</td> <td>12 - 20</td> <td>bleu</td> </tr> <tr> <td>07/2 et 08/2</td> <td>15 - 35</td> <td>vert</td> </tr> <tr> <td>07/2 et 08/2</td> <td>30 - 70</td> <td>orange</td> </tr> <tr> <td>07/2 et 08/2</td> <td>50 - 140</td> <td>noir/blanc</td> </tr> <tr> <td>07/2 et 08/2</td> <td>100 - 210</td> <td>argenté</td> </tr> <tr> <td>1/2 et 2/2</td> <td>15 - 35</td> <td>vert</td> </tr> <tr> <td>1/2 et 2/2</td> <td>30 - 70</td> <td>orange</td> </tr> <tr> <td>1/2 et 2/2</td> <td>70 - 140</td> <td>noir</td> </tr> <tr> <td>1/2 et 2/2</td> <td>100 - 210</td> <td>argenté</td> </tr> </tbody> </table> | Régulateur type | Plage de réglage mbar  | Couleur | 07/2 et 08/2 | 12 - 20   | bleu       | 07/2 et 08/2           | 15 - 35   | vert      | 07/2 et 08/2 | 30 - 70    | orange                 | 07/2 et 08/2 | 50 - 140  | noir/blanc | 07/2 et 08/2 | 100 - 210              | argenté  | 1/2 et 2/2 | 15 - 35   | vert      | 1/2 et 2/2 | 30 - 70 | orange    | 1/2 et 2/2 | 70 - 140 | noir   | 1/2 et 2/2      | 100 - 210             | argenté |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| Regulator type    | Setting range mbar  | Colour             |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 07/2 and 08/2     | 12 - 20   | blue               |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 07/2 and 08/2     | 15 - 35   | green              |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 07/2 and 08/2     | 30 - 70   | orange             |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 07/2 and 08/2     | 50 - 140  | black/white        |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 07/2 and 08/2     | 100 - 210   | silver             |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 1/2 and 2/2       | 15 - 35   | green              |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 1/2 and 2/2       | 30 - 70   | orange             |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 1/2 and 2/2       | 70 - 140  | black              |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 1/2 and 2/2       | 100 - 210   | silver             |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| Régulateur type   | Plage de réglage mbar   | Couleur            |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 07/2 et 08/2      | 12 - 20   | bleu               |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 07/2 et 08/2      | 15 - 35   | vert               |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 07/2 et 08/2      | 30 - 70   | orange             |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 07/2 et 08/2      | 50 - 140  | noir/blanc         |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 07/2 et 08/2      | 100 - 210   | argenté            |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 1/2 et 2/2        | 15 - 35   | vert               |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 1/2 et 2/2        | 30 - 70   | orange             |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 1/2 et 2/2        | 70 - 140  | noir               |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 1/2 et 2/2        | 100 - 210   | argenté            |   |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 2.511             | <p><b>Regulator groups size 5 and 6</b><br/>for pressures above 4 bar</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Regulator type</th> <th>DN</th> <th>Nozzle</th> <th>Supply press. max. bar</th> </tr> </thead> <tbody> <tr> <td>5/2-25/80</td> <td>RR16-25-24-8N-SL-IZN.1</td> <td>25</td> <td>24</td> <td>10</td> </tr> <tr> <td>5/2a-25/80</td> <td>RR16-25-31-8N-SL-IZN.1</td> <td>25</td> <td>31</td> <td>10</td> </tr> <tr> <td>6/2-50/100</td> <td>RR16-50-31-8N-SL-IZN.1</td> <td>50</td> <td>31</td> <td>10</td> </tr> <tr> <td>6/2a-50/100</td> <td>RR16-50-42-8N-SL-IZN.1</td> <td>50</td> <td>42</td> <td>10</td> </tr> </tbody> </table>  | Type               | Regulator type  | DN                      | Nozzle        | Supply press. max. bar | 5/2-25/80  | RR16-25-24-8N-SL-IZN.1 | 25        | 24    | 10            | 5/2a-25/80 | RR16-25-31-8N-SL-IZN.1 | 25            | 31        | 10          | 6/2-50/100    | RR16-50-31-8N-SL-IZN.1 | 50     | 31          | 10   | 6/2a-50/100     | RR16-50-42-8N-SL-IZN.1  | 50      | 42     | 10          | 2.511    | <p><b>Groupes de régulation tailles 5 et 6</b><br/>pour pressions supérieures à 4 bar</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Régulateur type</th> <th>DN</th> <th>Gicleur</th> <th>Pression amont max. bar</th> </tr> </thead> <tbody> <tr> <td>5/2-25/80</td> <td>RR16-25-24-8N-SL-IZN.1</td> <td>25</td> <td>24</td> <td>10</td> </tr> <tr> <td>5/2a-25/80</td> <td>RR16-25-31-8N-SL-IZN.1</td> <td>25</td> <td>31</td> <td>10</td> </tr> <tr> <td>6/2-50/100</td> <td>RR16-50-31-8N-SL-IZN.1</td> <td>50</td> <td>31</td> <td>10</td> </tr> <tr> <td>6/2a-50/100</td> <td>RR16-50-42-8N-SL-IZN.1</td> <td>50</td> <td>42</td> <td>10</td> </tr> </tbody> </table> | Type        | Régulateur type | DN       | Gicleur   | Pression amont max. bar  | 5/2-25/80       | RR16-25-24-8N-SL-IZN.1 | 25      | 24           | 10        | 5/2a-25/80 | RR16-25-31-8N-SL-IZN.1 | 25        | 31        | 10           | 6/2-50/100 | RR16-50-31-8N-SL-IZN.1 | 50           | 31        | 10         | 6/2a-50/100  | RR16-50-42-8N-SL-IZN.1 | 50       | 42         | 10        |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| Type              | Regulator type  | DN                 | Nozzle  | Supply press. max. bar  |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 5/2-25/80         | RR16-25-24-8N-SL-IZN.1  | 25                 | 24  | 10                      |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 5/2a-25/80        | RR16-25-31-8N-SL-IZN.1  | 25                 | 31  | 10                      |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 6/2-50/100        | RR16-50-31-8N-SL-IZN.1  | 50                 | 31  | 10                      |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 6/2a-50/100       | RR16-50-42-8N-SL-IZN.1  | 50                 | 42  | 10                      |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| Type              | Régulateur type   | DN                 | Gicleur   | Pression amont max. bar |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 5/2-25/80         | RR16-25-24-8N-SL-IZN.1  | 25                 | 24  | 10                      |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 5/2a-25/80        | RR16-25-31-8N-SL-IZN.1  | 25                 | 31  | 10                      |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 6/2-50/100        | RR16-50-31-8N-SL-IZN.1  | 50                 | 31  | 10                      |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 6/2a-50/100       | RR16-50-42-8N-SL-IZN.1  | 50                 | 42  | 10                      |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |
| 2.512             | <p><b>Socket wrench for SBV setting</b><br/>for 1/2" Allen (SW13)</p>   | 2.512              | <p><b>Clé pour réglage SBV</b><br/>pour 6 pans creuse 1/2" (SW13)</p> |                         |               |                        |            |                        |           |       |               |            |                        |               |           |             |               |                        |        |             |  |                 |                         |         |        |             |          |   |             |                 |          |           |  |                 |                        |         |              |           |            |                        |           |           |              |            |                        |              |           |            |              |                        |          |            |           |           |            |         |           |            |          |  |                 |                       |         |                   |         |      |                   |         |      |                   |         |        |                   |          |            |                   |           |                    |           |         |      |           |         |        |           |          |      |           |           |                    |           |         |             |           |         |            |           |          |            |           |           |            |           |         |            |           |         |            |           |          |           |           |           |      |     |           |      |



| Nr.                                  | Bezeichnung   | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |
|--------------------------------------|---|--|-------------------------|
| <b>2.6 Manometer und Prüfbrenner</b> |   |  |                         |
| 2.601                                | <b>Manometer</b> Gehäuse ø 100 mm<br>Anschluss R 1/2" unten   |  |                         |
|                                      | Einsatzbereich überdrucksicher  |  |                         |
|                                      | 0 - 25 mbar 0 - 18 mbar 1,3 fach  | 641 143                                    |                         |
|                                      | 0 - 60 mbar 0 - 45 mbar 10 fach   | 641 144                                    |                         |
|                                      | 0 - 160 mbar 0 - 120 mbar 10 fach   | 641 145                                    |                         |
|                                      | 0 - 400 mbar 0 - 300 mbar 10 fach   | 641 146                                    |                         |
|                                      | 0 - 1,6 bar 0 - 1,2 bar 1,3 fach  | 641 148                                    |                         |
|                                      | 0 - 2,5 bar 0 - 1,8 bar 1,3 fach  | 641 149                                    |                         |
|                                      | 0 - 4,0 bar 0 - 3,0 bar 1,3 fach  | 641 150                                    |                         |
|                                      | 0 - 6,0 bar 0 - 4,5 bar 1,3 fach  | 641 151                                    |                         |
|                                      | 0 - 10,0 bar 0 - 7,5 bar 1,3 fach   | 641 152                                    |                         |
|                                      | 0 - 16,0 bar 0 - 12 bar 10 fach   | 641 153                                    |                         |
| 2.602                                | <b>Druckknopfahn</b> , G 1/2, CE-0085 AQ 0985, max. Betriebsdruck 5 bar   | 454 099                                    |                         |
| 2.603                                | <b>Druckmessnippel</b> G 1/8  | 453 001                                    |                         |
|                                      | G 1/4   | 453 005                                    |                         |
| 2.604                                | <b>Dichtung</b> G 1/8   | 441 033                                    |                         |
|                                      | G 1/4   | 441 028                                    |                         |
| 2.605                                | <b>Doppelnippel R 1/4</b> mit Dämpfungsdüse 0,3<br>(für GW max. am Flanschbogen - Gasdrossel/DMV-, nur ZMI/ZMA)   | 151 223 26 022                             |                         |
|                                      | <b>Manometer</b> , komplett mit Druckknopfahn, Leitung und Verschraubung auch für Anlagen nach Anforderung gemäß PED geeignet<br>(Ausführung B, G 1/4 Anschluss an Gasfilter sowie DMV ohne GW) |  |                         |
| 2.606                                | <b>Manometer komplett</b> (bei zusätzlichem GW...A6 oder Prüfbrenner)   |  |                         |
|                                      | Einsatzbereich  |  |                         |
|                                      | 0 - 25 mbar 0 - 18 mbar   | 151 336 26 942                             |                         |
|                                      | 0 - 60 mbar 0 - 45 mbar   | 151 336 26 952                             |                         |
|                                      | 0 - 160 mbar 0 - 120 mbar   | 151 336 26 962                             |                         |
|                                      | 0 - 400 mbar 0 - 300 mbar   | 151 336 26 972                             |                         |
| 2.607                                | <b>Manometer komplett</b> G 1/4 für DMV geflanscht oder Anschluss am Gasfilter  |  |                         |
|                                      | Einsatzbereich  |  |                         |
|                                      | 0 - 25 mbar 0 - 18 mbar   | 151 336 26 762                             |                         |
|                                      | 0 - 60 mbar 0 - 45 mbar   | 151 336 26 772                             |                         |
|                                      | 0 - 160 mbar 0 - 120 mbar   | 151 336 26 782                             |                         |
|                                      | 0 - 400 mbar 0 - 300 mbar   | 151 336 26 792                             |                         |
|                                      | 0 - 1,6 bar 0 - 1,2 bar   | 151 336 26 802                             |                         |
|                                      | 0 - 2,5 bar 0 - 1,8 bar   | 151 336 26 812                             |                         |
|                                      | 0 - 4,0 bar 0 - 3,0 bar   | 151 336 26 822                             |                         |
|                                      | 0 - 6,0 bar 0 - 4,0 bar   | 151 336 26 832                             |                         |
|                                      | 0 - 10,0 bar 0 - 7,5 bar  | 151 327 26 182                             |                         |
| 2.608                                | <b>Manometer komplett</b> für DMV (geschraubte Ausführung) + VEF-Ventil (WG 30+40 mit Drehzahl)   |  |                         |
|                                      | Einsatzbereich  |  |                         |
|                                      | 0 - 25 mbar 0 - 18 mbar   | 151 336 26 872                             |                         |
|                                      | 0 - 60 mbar 0 - 45 mbar   | 151 336 26 882                             |                         |
|                                      | 0 - 160 mbar 0 - 120 mbar   | 151 336 26 892                             |                         |
|                                      | 0 - 400 mbar 0 - 300 mbar   | 151 336 26 902                             |                         |
| 2.609                                | <b>Manometer komplett</b> für W-MF, *   |  |                         |
|                                      | Einsatzbereich  |  |                         |
|                                      | 0 - 25 mbar 0 - 18 mbar   | 230 110 26 022                             |                         |
|                                      | 0 - 60 mbar 0 - 45 mbar   | 230 110 26 032                             |                         |
|                                      | 0 - 160 mbar 0 - 120 mbar   | 230 110 26 042                             |                         |
|                                      | 0 - 400 mbar 0 - 300 mbar   | 230 110 26 052                             |                         |
|                                      | * Wenn zu diesem Aufbau bei WG-Brennern der GW-ÜB vorgesehen wird (Mehrpreis Brenner), dann ist die Verschraubung mit Nr. 230 210 26 04 7 mitzubestellen  |  |                         |
| 2.610                                | <b>Manometer komplett</b> G 1/4 für Einzelventile (MVD) oder Anschluss am Gasfilter   |  |                         |
|                                      | Einsatzbereich  |  |                         |
|                                      | 0 - 25 mbar 0 - 18 mbar   | 151 327 26 092                             |                         |
|                                      | 0 - 60 mbar 0 - 45 mbar   | 151 327 26 402                             |                         |
|                                      | 0 - 160 mbar 0 - 120 mbar   | 151 327 26 412                             |                         |
|                                      | 0 - 400 mbar 0 - 300 mbar   | 151 327 26 422                             |                         |
|                                      | 0 - 1,6 bar 0 - 1,2 bar   | 151 330 26 122                             |                         |
|                                      | 0 - 2,5 bar 0 - 1,8 bar   | 151 330 26 132                             |                         |
|                                      | 0 - 4,0 bar 0 - 3,0 bar   | 151 330 26 142                             |                         |

| No.          | Designation  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
|--------------|--|----------------|------------|----------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|--------------|-------------|----------|-------------|-------------|----------|-------------|-------------|----------|--------------|-------------|----------|--------------|------------|---------|
| <b>2.6</b>   | <b>Pressure gauges and test burners</b>  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 2.601        | <p><b>Pressure gauges</b>, Casing Ø 100 mm connection pipe thread R 1/2"</p> <table border="0"> <tr> <td></td> <td>For supply</td> <td>pressure up to</td> </tr> <tr> <td>0 - 25 mbar</td> <td>0 - 18 mbar</td> <td>1.3 fold</td> </tr> <tr> <td>0 - 60 mbar</td> <td>0 - 45 mbar</td> <td>10 fold</td> </tr> <tr> <td>0 - 160 mbar</td> <td>0 - 120 mbar</td> <td>10 fold</td> </tr> <tr> <td>0 - 400 mbar</td> <td>0 - 300 mbar</td> <td>10 fold</td> </tr> <tr> <td>0 - 1.6 bar</td> <td>0 - 1.2 bar</td> <td>1.3 fold</td> </tr> <tr> <td>0 - 2.5 bar</td> <td>0 - 1.8 bar</td> <td>1.3 fold</td> </tr> <tr> <td>0 - 4.0 bar</td> <td>0 - 3.0 bar</td> <td>1.3 fold</td> </tr> <tr> <td>0 - 6.0 bar</td> <td>0 - 4.5 bar</td> <td>1.3 fold</td> </tr> <tr> <td>0 - 10.0 bar</td> <td>0 - 7.5 bar</td> <td>1.3 fold</td> </tr> <tr> <td>0 - 16.0 bar</td> <td>0 - 12 bar</td> <td>10 fold</td> </tr> </table> |                | For supply | pressure up to | 0 - 25 mbar | 0 - 18 mbar | 1.3 fold    | 0 - 60 mbar  | 0 - 45 mbar  | 10 fold      | 0 - 160 mbar | 0 - 120 mbar | 10 fold     | 0 - 400 mbar | 0 - 300 mbar | 10 fold     | 0 - 1.6 bar | 0 - 1.2 bar | 1.3 fold    | 0 - 2.5 bar  | 0 - 1.8 bar | 1.3 fold | 0 - 4.0 bar | 0 - 3.0 bar | 1.3 fold | 0 - 6.0 bar | 0 - 4.5 bar | 1.3 fold | 0 - 10.0 bar | 0 - 7.5 bar | 1.3 fold | 0 - 16.0 bar | 0 - 12 bar | 10 fold |
|              | For supply   | pressure up to |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 25 mbar  | 0 - 18 mbar  | 1.3 fold       |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 60 mbar  | 0 - 45 mbar  | 10 fold        |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 160 mbar | 0 - 120 mbar   | 10 fold        |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 400 mbar | 0 - 300 mbar   | 10 fold        |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 1.6 bar  | 0 - 1.2 bar  | 1.3 fold       |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 2.5 bar  | 0 - 1.8 bar  | 1.3 fold       |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 4.0 bar  | 0 - 3.0 bar  | 1.3 fold       |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 6.0 bar  | 0 - 4.5 bar  | 1.3 fold       |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 10.0 bar | 0 - 7.5 bar  | 1.3 fold       |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 16.0 bar | 0 - 12 bar   | 10 fold        |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 2.602        | <b>Push button valve</b> , max. operating pressure 5 bar   |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 2.603        | <b>Pressure measuring nipple</b> G 1/8<br>G 1/4  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 2.604        | <b>Sealing</b> G 1/8<br>G 1/4  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 2.605        | <p><b>Double nozzle R1/4</b> with damping nozzle 0.3 (for high gas press. switch on flanged bend bet. b'fly and DMV, ZMI only)</p> <p><b>Pressure gauge</b>, complete with push button valve, line and screwed union suitable for installations <b>in accordance with PED</b> (Execution B, G 3/4 for flanged valve trains)</p>  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 2.606        | <p><b>Pressure gauge complete</b> (with additional GW...A6 or test burner)</p> <table border="0"> <tr> <td></td> <td>For supply</td> </tr> <tr> <td>0 - 25 mbar</td> <td>0 - 18 mbar</td> </tr> <tr> <td>0 - 60 mbar</td> <td>0 - 45 mbar</td> </tr> <tr> <td>0 - 160 mbar</td> <td>0 - 120 mbar</td> </tr> <tr> <td>0 - 400 mbar</td> <td>0 - 300 mbar</td> </tr> </table>  |                | For supply | 0 - 25 mbar    | 0 - 18 mbar | 0 - 60 mbar | 0 - 45 mbar | 0 - 160 mbar | 0 - 120 mbar | 0 - 400 mbar | 0 - 300 mbar |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
|              | For supply   |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 25 mbar  | 0 - 18 mbar  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 60 mbar  | 0 - 45 mbar  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 160 mbar | 0 - 120 mbar   |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 400 mbar | 0 - 300 mbar   |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 2.607        | <p><b>Pressure gauge complete</b> G1/4 for DMV flanged or connection to gas filter</p> <table border="0"> <tr> <td></td> <td>For supply</td> </tr> <tr> <td>0 - 25 mbar</td> <td>0 - 18 mbar</td> </tr> <tr> <td>0 - 60 mbar</td> <td>0 - 45 mbar</td> </tr> <tr> <td>0 - 160 mbar</td> <td>0 - 120 mbar</td> </tr> <tr> <td>0 - 400 mbar</td> <td>0 - 300 mbar</td> </tr> <tr> <td>0 - 1.6 bar</td> <td>0 - 1.2 bar</td> </tr> <tr> <td>0 - 2.5 bar</td> <td>0 - 1.8 bar</td> </tr> <tr> <td>0 - 4.0 bar</td> <td>0 - 3.0 bar</td> </tr> <tr> <td>0 - 6.0 bar</td> <td>0 - 4.0 bar</td> </tr> <tr> <td>0 - 10.0 bar</td> <td>0 - 7.5 bar</td> </tr> </table>  |                | For supply | 0 - 25 mbar    | 0 - 18 mbar | 0 - 60 mbar | 0 - 45 mbar | 0 - 160 mbar | 0 - 120 mbar | 0 - 400 mbar | 0 - 300 mbar | 0 - 1.6 bar  | 0 - 1.2 bar | 0 - 2.5 bar  | 0 - 1.8 bar  | 0 - 4.0 bar | 0 - 3.0 bar | 0 - 6.0 bar | 0 - 4.0 bar | 0 - 10.0 bar | 0 - 7.5 bar |          |             |             |          |             |             |          |              |             |          |              |            |         |
|              | For supply   |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 25 mbar  | 0 - 18 mbar  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 60 mbar  | 0 - 45 mbar  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 160 mbar | 0 - 120 mbar   |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 400 mbar | 0 - 300 mbar   |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 1.6 bar  | 0 - 1.2 bar  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 2.5 bar  | 0 - 1.8 bar  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 4.0 bar  | 0 - 3.0 bar  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 6.0 bar  | 0 - 4.0 bar  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 10.0 bar | 0 - 7.5 bar  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 2.608        | <p><b>Pressure gauge complete</b> for DMV (screwed version) + VEF valve (WG 30+40 with speed control)</p> <table border="0"> <tr> <td></td> <td>For supply</td> </tr> <tr> <td>0 - 25 mbar</td> <td>0 - 18 mbar</td> </tr> <tr> <td>0 - 60 mbar</td> <td>0 - 45 mbar</td> </tr> <tr> <td>0 - 160 mbar</td> <td>0 - 120 mbar</td> </tr> <tr> <td>0 - 400 mbar</td> <td>0 - 300 mbar</td> </tr> </table>   |                | For supply | 0 - 25 mbar    | 0 - 18 mbar | 0 - 60 mbar | 0 - 45 mbar | 0 - 160 mbar | 0 - 120 mbar | 0 - 400 mbar | 0 - 300 mbar |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
|              | For supply   |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 25 mbar  | 0 - 18 mbar  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 60 mbar  | 0 - 45 mbar  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 160 mbar | 0 - 120 mbar   |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 400 mbar | 0 - 300 mbar   |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 2.609        | <p><b>Pressure gauge complete</b> for W-MF, *</p> <table border="0"> <tr> <td></td> <td>For supply</td> </tr> <tr> <td>0 - 25 mbar</td> <td>0 - 18 mbar</td> </tr> <tr> <td>0 - 60 mbar</td> <td>0 - 45 mbar</td> </tr> <tr> <td>0 - 160 mbar</td> <td>0 - 120 mbar</td> </tr> <tr> <td>0 - 400 mbar</td> <td>0 - 300 mbar</td> </tr> </table> <p>* If this configuration for WG burners is to be used with the GW-ÜB (additional burner price), the screwed union Order No. 230 210 26 04 7 should also be ordered</p>  |                | For supply | 0 - 25 mbar    | 0 - 18 mbar | 0 - 60 mbar | 0 - 45 mbar | 0 - 160 mbar | 0 - 120 mbar | 0 - 400 mbar | 0 - 300 mbar |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
|              | For supply   |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 25 mbar  | 0 - 18 mbar  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 60 mbar  | 0 - 45 mbar  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 160 mbar | 0 - 120 mbar   |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 400 mbar | 0 - 300 mbar   |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 2.610        | <p><b>Pressure gauge complete</b> G1/4 for single valves (MVD) or connection to gas filter</p> <table border="0"> <tr> <td></td> <td>For supply</td> </tr> <tr> <td>0 - 25 mbar</td> <td>0 - 18 mbar</td> </tr> <tr> <td>0 - 60 mbar</td> <td>0 - 45 mbar</td> </tr> <tr> <td>0 - 160 mbar</td> <td>0 - 120 mbar</td> </tr> <tr> <td>0 - 400 mbar</td> <td>0 - 300 mbar</td> </tr> <tr> <td>0 - 1.6 bar</td> <td>0 - 1.2 bar</td> </tr> <tr> <td>0 - 2.5 bar</td> <td>0 - 1.8 bar</td> </tr> <tr> <td>0 - 4.0 bar</td> <td>0 - 3.0 bar</td> </tr> </table>   |                | For supply | 0 - 25 mbar    | 0 - 18 mbar | 0 - 60 mbar | 0 - 45 mbar | 0 - 160 mbar | 0 - 120 mbar | 0 - 400 mbar | 0 - 300 mbar | 0 - 1.6 bar  | 0 - 1.2 bar | 0 - 2.5 bar  | 0 - 1.8 bar  | 0 - 4.0 bar | 0 - 3.0 bar |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
|              | For supply   |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 25 mbar  | 0 - 18 mbar  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 60 mbar  | 0 - 45 mbar  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 160 mbar | 0 - 120 mbar   |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 400 mbar | 0 - 300 mbar   |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 1.6 bar  | 0 - 1.2 bar  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 2.5 bar  | 0 - 1.8 bar  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 4.0 bar  | 0 - 3.0 bar  |                |            |                |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |

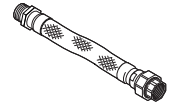
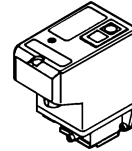
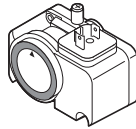
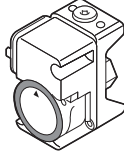
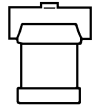
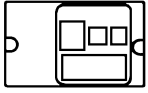
| No.          | Dénomination   |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
|--------------|--|-------------|---------------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|--------------|-------------|----------|-------------|-------------|----------|-------------|-------------|----------|--------------|-------------|----------|--------------|------------|---------|
| <b>2.6</b>   | <b>Manomètre et brûleur test</b>   |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 2.601        | <p><b>Manomètre</b> corps ø 100 mm Raccord R 1/2" inférieur fois</p> <table border="0"> <tr> <td></td> <td>Plage d'utilisation</td> <td>surpression</td> </tr> <tr> <td>0 - 25 mbar</td> <td>0 - 18 mbar</td> <td>1,3 fois</td> </tr> <tr> <td>0 - 60 mbar</td> <td>0 - 45 mbar</td> <td>10 fois</td> </tr> <tr> <td>0 - 160 mbar</td> <td>0 - 120 mbar</td> <td>10 fois</td> </tr> <tr> <td>0 - 400 mbar</td> <td>0 - 300 mbar</td> <td>10 fois</td> </tr> <tr> <td>0 - 1,6 bar</td> <td>0 - 1,2 bar</td> <td>1,3 fois</td> </tr> <tr> <td>0 - 2,5 bar</td> <td>0 - 1,8 bar</td> <td>1,3 fois</td> </tr> <tr> <td>0 - 4,0 bar</td> <td>0 - 3,0 bar</td> <td>1,3 fois</td> </tr> <tr> <td>0 - 6,0 bar</td> <td>0 - 4,5 bar</td> <td>1,3 fois</td> </tr> <tr> <td>0 - 10,0 bar</td> <td>0 - 7,5 bar</td> <td>1,3 fois</td> </tr> <tr> <td>0 - 16,0 bar</td> <td>0 - 12 bar</td> <td>10 fois</td> </tr> </table> |             | Plage d'utilisation | surpression | 0 - 25 mbar | 0 - 18 mbar | 1,3 fois    | 0 - 60 mbar  | 0 - 45 mbar  | 10 fois      | 0 - 160 mbar | 0 - 120 mbar | 10 fois     | 0 - 400 mbar | 0 - 300 mbar | 10 fois     | 0 - 1,6 bar | 0 - 1,2 bar | 1,3 fois    | 0 - 2,5 bar  | 0 - 1,8 bar | 1,3 fois | 0 - 4,0 bar | 0 - 3,0 bar | 1,3 fois | 0 - 6,0 bar | 0 - 4,5 bar | 1,3 fois | 0 - 10,0 bar | 0 - 7,5 bar | 1,3 fois | 0 - 16,0 bar | 0 - 12 bar | 10 fois |
|              | Plage d'utilisation  | surpression |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 25 mbar  | 0 - 18 mbar  | 1,3 fois    |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 60 mbar  | 0 - 45 mbar  | 10 fois     |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 160 mbar | 0 - 120 mbar   | 10 fois     |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 400 mbar | 0 - 300 mbar   | 10 fois     |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 1,6 bar  | 0 - 1,2 bar  | 1,3 fois    |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 2,5 bar  | 0 - 1,8 bar  | 1,3 fois    |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 4,0 bar  | 0 - 3,0 bar  | 1,3 fois    |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 6,0 bar  | 0 - 4,5 bar  | 1,3 fois    |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 10,0 bar | 0 - 7,5 bar  | 1,3 fois    |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 16,0 bar | 0 - 12 bar   | 10 fois     |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 2.602        | <b>Robinet poussoir</b> , pression de service max. 5 bar   |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 2.603        | <b>Raccord</b> G 1/8<br>G 1/4  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 2.604        | <b>Joint</b> G 1/8<br>G 1/4  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 2.605        | <p><b>Mamelon double R 1/4</b> avec diaphragme 0,3 (pour pressostat maxi gaz sur coude à bride - Clapet gaz/DMV - uniq. pour ZMI/ZMA)</p> <p><b>Manomètre</b>, complet avec robinet poussoir, manchon et raccord <b>pour installations selon exigence PED</b> (exécution B, G 1/4 raccord sur filtre gaz et DMV sans GW)</p>   |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 2.606        | <p><b>Manomètre complet</b> (pour GW...A6 supplémentaire ou brûleur test)</p> <table border="0"> <tr> <td></td> <td>Plage d'utilisation</td> </tr> <tr> <td>0 - 25 mbar</td> <td>0 - 18 mbar</td> </tr> <tr> <td>0 - 60 mbar</td> <td>0 - 45 mbar</td> </tr> <tr> <td>0 - 160 mbar</td> <td>0 - 120 mbar</td> </tr> <tr> <td>0 - 400 mbar</td> <td>0 - 300 mbar</td> </tr> </table>  |             | Plage d'utilisation | 0 - 25 mbar | 0 - 18 mbar | 0 - 60 mbar | 0 - 45 mbar | 0 - 160 mbar | 0 - 120 mbar | 0 - 400 mbar | 0 - 300 mbar |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
|              | Plage d'utilisation  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 25 mbar  | 0 - 18 mbar  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 60 mbar  | 0 - 45 mbar  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 160 mbar | 0 - 120 mbar   |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 400 mbar | 0 - 300 mbar   |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 2.607        | <p><b>Manomètre complet</b> G1/4 pour DMV à brides ou raccordement sur filtre gaz</p> <table border="0"> <tr> <td></td> <td>Plage d'utilisation</td> </tr> <tr> <td>0 - 25 mbar</td> <td>0 - 18 mbar</td> </tr> <tr> <td>0 - 60 mbar</td> <td>0 - 45 mbar</td> </tr> <tr> <td>0 - 160 mbar</td> <td>0 - 120 mbar</td> </tr> <tr> <td>0 - 400 mbar</td> <td>0 - 300 mbar</td> </tr> <tr> <td>0 - 1,6 bar</td> <td>0 - 1,2 bar</td> </tr> <tr> <td>0 - 2,5 bar</td> <td>0 - 1,8 bar</td> </tr> <tr> <td>0 - 4,0 bar</td> <td>0 - 3,0 bar</td> </tr> <tr> <td>0 - 6,0 bar</td> <td>0 - 4,0 bar</td> </tr> <tr> <td>0 - 10,0 bar</td> <td>0 - 7,5 bar</td> </tr> </table>  |             | Plage d'utilisation | 0 - 25 mbar | 0 - 18 mbar | 0 - 60 mbar | 0 - 45 mbar | 0 - 160 mbar | 0 - 120 mbar | 0 - 400 mbar | 0 - 300 mbar | 0 - 1,6 bar  | 0 - 1,2 bar | 0 - 2,5 bar  | 0 - 1,8 bar  | 0 - 4,0 bar | 0 - 3,0 bar | 0 - 6,0 bar | 0 - 4,0 bar | 0 - 10,0 bar | 0 - 7,5 bar |          |             |             |          |             |             |          |              |             |          |              |            |         |
|              | Plage d'utilisation  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 25 mbar  | 0 - 18 mbar  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 60 mbar  | 0 - 45 mbar  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 160 mbar | 0 - 120 mbar   |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 400 mbar | 0 - 300 mbar   |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 1,6 bar  | 0 - 1,2 bar  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 2,5 bar  | 0 - 1,8 bar  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 4,0 bar  | 0 - 3,0 bar  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 6,0 bar  | 0 - 4,0 bar  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 10,0 bar | 0 - 7,5 bar  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 2.608        | <p><b>Manomètre complet</b> pour DMV (exécution à visser) + vanne VEF (WG 30+40 avec variateur de vitesse)</p> <table border="0"> <tr> <td></td> <td>Plage d'utilisation</td> </tr> <tr> <td>0 - 25 mbar</td> <td>0 - 18 mbar</td> </tr> <tr> <td>0 - 60 mbar</td> <td>0 - 45 mbar</td> </tr> <tr> <td>0 - 160 mbar</td> <td>0 - 120 mbar</td> </tr> <tr> <td>0 - 400 mbar</td> <td>0 - 300 mbar</td> </tr> </table>   |             | Plage d'utilisation | 0 - 25 mbar | 0 - 18 mbar | 0 - 60 mbar | 0 - 45 mbar | 0 - 160 mbar | 0 - 120 mbar | 0 - 400 mbar | 0 - 300 mbar |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
|              | Plage d'utilisation  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 25 mbar  | 0 - 18 mbar  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 60 mbar  | 0 - 45 mbar  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 160 mbar | 0 - 120 mbar   |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 400 mbar | 0 - 300 mbar   |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 2.609        | <p><b>Manomètre complet</b> pour W-MF, *</p> <table border="0"> <tr> <td></td> <td>Plage d'utilisation</td> </tr> <tr> <td>0 - 25 mbar</td> <td>0 - 18 mbar</td> </tr> <tr> <td>0 - 60 mbar</td> <td>0 - 45 mbar</td> </tr> <tr> <td>0 - 160 mbar</td> <td>0 - 120 mbar</td> </tr> <tr> <td>0 - 400 mbar</td> <td>0 - 300 mbar</td> </tr> </table> <p>* Si les brûleurs WG sont prévus avec GW-ÜB (plus-value brûleur) il faut également commander le raccord réf. 230 210 26 04</p>   |             | Plage d'utilisation | 0 - 25 mbar | 0 - 18 mbar | 0 - 60 mbar | 0 - 45 mbar | 0 - 160 mbar | 0 - 120 mbar | 0 - 400 mbar | 0 - 300 mbar |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
|              | Plage d'utilisation  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 25 mbar  | 0 - 18 mbar  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 60 mbar  | 0 - 45 mbar  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 160 mbar | 0 - 120 mbar   |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 400 mbar | 0 - 300 mbar   |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 2.610        | <p><b>Manomètre complet</b> G 1/4 pour vanne simple (MVD) ou raccordement sur filtre gaz</p> <table border="0"> <tr> <td></td> <td>Plage d'utilisation</td> </tr> <tr> <td>0 - 25 mbar</td> <td>0 - 18 mbar</td> </tr> <tr> <td>0 - 60 mbar</td> <td>0 - 45 mbar</td> </tr> <tr> <td>0 - 160 mbar</td> <td>0 - 120 mbar</td> </tr> <tr> <td>0 - 400 mbar</td> <td>0 - 300 mbar</td> </tr> <tr> <td>0 - 1,6 bar</td> <td>0 - 1,2 bar</td> </tr> <tr> <td>0 - 2,5 bar</td> <td>0 - 1,8 bar</td> </tr> <tr> <td>0 - 4,0 bar</td> <td>0 - 3,0 bar</td> </tr> </table>  |             | Plage d'utilisation | 0 - 25 mbar | 0 - 18 mbar | 0 - 60 mbar | 0 - 45 mbar | 0 - 160 mbar | 0 - 120 mbar | 0 - 400 mbar | 0 - 300 mbar | 0 - 1,6 bar  | 0 - 1,2 bar | 0 - 2,5 bar  | 0 - 1,8 bar  | 0 - 4,0 bar | 0 - 3,0 bar |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
|              | Plage d'utilisation  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 25 mbar  | 0 - 18 mbar  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 60 mbar  | 0 - 45 mbar  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 160 mbar | 0 - 120 mbar   |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 400 mbar | 0 - 300 mbar   |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 1,6 bar  | 0 - 1,2 bar  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 2,5 bar  | 0 - 1,8 bar  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |
| 0 - 4,0 bar  | 0 - 3,0 bar  |             |                     |             |             |             |             |              |              |              |              |              |             |              |              |             |             |             |             |              |             |          |             |             |          |             |             |          |              |             |          |              |            |         |



| Nr.       | Bezeichnung  | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |
|-----------|--|--|-------------------------|
| 2.611     | <b>Montageteile</b><br>zum Anbau von Manometer und Prüfbrenner am DMV geflanscht   | 151 336 26 842                             |                         |
| 2.612     | zum Anbau von Manometer, Prüfbrenner und GW...A6 am DMV genippt und geflanscht   | 151 336 26 862                             |                         |
| 2.613     | zum Anbau von Manometer und Prüfbrenner an DMV geschraubt  | 151 336 26 852                             |                         |
| 2.614     | <b>Prüfbrenner</b> EO-Anschluss $\varnothing$ 10/L bei zus. GW<br><b>Prüfbrenner</b> Ausf. 1.1 (Winkelausführung für evtl. Anpassungsmaßnahmen)    | 151 336 26 752<br>150 808 26 312           |                         |
| 2.615     | <b>Prüfbrenner</b> G 1/4 10 x 100 mm DMV (geflossene Ausführung)   | 151 336 26 732                             |                         |
| 2.616     | <b>Prüfbrenner</b> DMV, (geschraubte Ausführung) + VEF-Ventil  | 151 336 26 742                             |                         |
| 2.617     | <b>Prüfbrenner</b> W-MF  | 230 110 26 012                             |                         |
| 2.618     | <b>Prüfbrenner</b> G 1/4 Einzelventile (MVD)<br><br>Gasdüsendurchmesser: 0,8 mm<br>Umgebungstemperatur: -20 °C + 60 °C                             | 151 327 26 212                             |                         |
| 2.619     | <b>Dichtung</b> für Manometer 15 x 7,8 x 4,2   | 440 002                                    |                         |
| 2.620     | <b>Manometer</b> 0-400 mbar mit Kugelhahn Ausf. A G1/4"  | 151 337 26 092                             |                         |
| 2.621     | <b>Prüfbrenner</b> G 1/4 12 x 230 mm W-MF (geschraubte Ausführung)   | 250 104 26 042                             |                         |
|           | <b>Kombinationsbeispiele für Monarch und Industriebrenner</b><br>Nachfolgende Teile sind zu verwenden:   |  |                         |
| Bild 1    | <b>Geschraubte Ausführung (DMV) Baugr. 1 - 5 R 3/4 - R 2 und DMV R 2 neu</b><br>Ausführung Manometer und Prüfbrenner (Pos. 2.606, 2.614 und 2.613) |  |                         |
| Bild 2    | <b>Geschraubte Ausführung (W-MF)</b><br>Ausführung Manometer und Prüfbrenner (Pos. 2.609 und 2.621)  |  |                         |
| Bild 3    | <b>Geflossene Ausführung (DMV, VGD)</b><br>Ausführung Manometer und Prüfbrenner (Pos. 2.606, 2.614 und 2.611)                                      |  |                         |
| Bild 4    | Ausführung Manometer und Prüfbrenner mit Anschluss für GW max. (Pos. 2.606, 2.614 und 2.612)   |  |                         |
| ohne Bild | <b>Prüfbrenner</b> mit GW max. (GW max. Brennermehrpreis) (Pos. 2.614)<br><b>Manometer</b> mit GW max. (GW max. Brennermehrpreis) (Pos. 2.606)     |  |                         |
|           | (siehe auch Technische Arbeitsmappe Register 7 Blatt 2.15 - 2.16.3)  |  |                         |



| No.             | Designation   | No.        | Dénomination  |
|-----------------|---|------------|---|
|                 | <b>Connection parts</b>   |            | <b>Éléments de montage</b>  |
| 2.611           | to fit pressure gauge and test burner to flanged DMV  | 2.611      | pour montage de manomètre et brûleur test sur DMV à brides  |
| 2.612           | to fit pressure gauge, test burner and GW...A6 to screwed and flanged DMV   | 2.612      | pour montage manomètre, brûleur test et GW...A6 sur DMV fileté et à bride   |
| 2.613           | to fit pressure gauge and test burner to screwed DMV  | 2.613      | pour montage de manomètre et brûleur test sur DMV à visser  |
| 2.614           | <b>Test burner</b> EO-connection Ø 10/L for add. GW<br><b>Test burner</b> vers. 1.1 (angle design for possible adaptation measures)                     | 2.614      | <b>Brûleur test</b> raccord à olive ø 10/L pour suppl. GW<br><b>Brûleur test</b> exéc. 1.1 (exécution coudée pour éventuelle adaptation)              |
| 2.615           | <b>Test burner</b> G1/4 10 x 100 mm DMV-D (flanged version)   | 2.615      | <b>Brûleur test</b> G 1/4 10 x 100 mm DMV-D (exécution à brides)  |
| 2.616           | <b>Test burner</b> DMV(screwed version) + VEF valve   | 2.616      | <b>Brûleur test</b> DMV (exécution à brides) + vanne VEF  |
| 2.617           | <b>Test burner</b> W-MF   | 2.617      | <b>Brûleur test</b> W-MF  |
| 2.618           | <b>Test burner</b> G1/4 single valves (MVD)<br><br>Gas nozzle diameter: 0,8 mm<br>Ambient temperature: -20 °C +60 °C                                    | 2.618      | <b>Brûleur test</b> G 1/4 vannes simples (MVD)<br><br>Diamètre gicleur gaz : 0,8 mm<br>Température ambiante : -20 °C + 60 °C                          |
| 2.619           | <b>Seal</b> for pressure gauge 15 x 7,8 x 4,2   | 2.619      | <b>Joint</b> pour manomètre 15 x 7,8 x 4,2  |
| 2.620           | <b>Pressure gauge</b> 0-400 mbar with ball valve vers. A G1/4"  | 2.620      | <b>Manomètre</b> 0-400 mbar avec robinet exéc. A G1/4"  |
| 2.621           | <b>Test burner</b> G 1/4 12 x 230 mm W-MF (flanged version)   | 2.621      | <b>Brûleur test</b> G 1/4 12 x 230 mm W-MF (exécution à visser)   |
|                 | <b>Combination example for Monarch and Industrial burners</b><br>The following parts are required:  |            | <b>Exemples de combinaisons pour brûleurs Monarch et industriels</b><br>Les pièces ci-après doivent être utilisées :                                  |
| Fig. 1          | <b>Screwed version (DMV) sizes 1 - 5 R 3/4 - R 2 and DMV R 2 new</b><br>Pressure gauge and test burner (items 2.606, 2.614 and 2.613)                   | Image 1    | <b>Exécution à visser (DMV) gr. 1 - 5 R 3/4 - R 2 et DMV R 2 nouveau</b><br>Exécution manomètre et brûleur test (Pos. 2.606, 2.614 et 2.613)          |
| Fig. 2          | <b>Screwed version (W-MF)</b><br>Pressure gauge and test burner (items 2.609 and 2.621)   | Image 2    | <b>Exécution à visser (W-MF)</b><br>Exécution manomètre et brûleur test (Pos. 2.609 et 2.621)   |
| Fig. 3          | <b>Flanged version (DMV, VGD)</b><br>Pressure gauge and test burner (items 2.606, 2.614 and 2.611)  | Image 3    | <b>Exécution à brides (DMV, VGD)</b><br>Exécution manomètre et brûleur test (Pos. 2.606, 2.614 et 2.611)  |
| Fig. 4          | Pressure gauge and test burner with con. for high gas p.s. (items 2.606, 2.614 and 2.612)   | Image 4    | Exécution manomètre et brûleur test avec raccord pressostat max. (Pos. 2.606, 2.614 et 2.612)   |
| without picture | <b>Test burner</b> with GW max. (GW max. add. burner price) (Pos. 2.614)<br><b>Pressure gauge</b> with GW max. (GW max. add. burner price) (Pos. 2.606) | sans image | <b>Brûleur test</b> avec GW max. (plus-value brûleur GW max.) (pos. 2.614)<br><b>Manomètre</b> avec GW max. (plus-value brûleur GW max.) (pos. 2.606) |
|                 | (see also Technical Folder Register 7 sheet 2.15 - 2.16.3)  |            | (voir également recueil de fiches techniques registre 7 feuil. 2.15 - 2.16.3)   |



2.701

2.702

2.703

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2.707

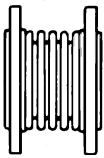
2.721

2.726

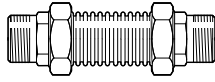
| Nr.          | Bezeichnung  | Bestell-Nr.<br>Order-No.<br>No de commande   | Preis EUR<br>(o. MwSt.) |
|--------------|--|--|-------------------------|
| <b>2.7</b>   | <b>Dichtheitskontrolle</b>   |  |                         |
| 2.701        | <b>Dichtheitskontrolle VPM-VC</b> 230 V ± 15%, 50/60 Hz<br>110 V - 120 V, 50/60 Hz   | 600 700<br>600 701   |                         |
|              | <b>Umbausatz Dichtheitskontrolle</b><br>W-DK3 in VPM 230 V<br>W-DK3 in VPM 120 V<br>W-DK2 in VPM 230 V mit GW50 (mit und ohne Zündgas)<br>W-DK2 in VPM 230 V mit GW150 (mit und ohne Zündgas)  | 109 000 00 500<br>109 000 00 510<br>109 000 00 520<br>109 000 00 530                                       |                         |
| 2.702        | <b>Magnetventil für Leckgas</b> , stromlos offen<br>Typ DN Druckbereich<br>LGV 507/5, 230V G 3/4" 0,5 bar ohne Verschraubung<br>LGV 507/5, 110 V G 3/4" 0,5 bar ohne Verschraubung   | 605 707<br>605 700   |                         |
|              | zus. erforderlich bei Brennern ohne Zündgas bei LGV:<br>Zündgasflansch für DMV 507-520 + WMF-Ventile<br>Zündgasflansch für DMV 525   | 605 232<br>625 032   |                         |
|              | Leckgasventil- Verrohrungssets (Hauptgasventil bis LGV)<br>(o. g. ZG-Flansche sind im Set beinhaltet)<br>Set für DMV 507-520 + WMF-Ventile<br>Set für DMV 525<br>Set für DMV geflanscht + VDG-Ventile  | 250 204 26 010<br>250 204 26 030<br>250 204 26 020   |                         |
| 2.703        | <b>Dichtheitsanzeigergerät</b> , G 3/4 ohne Glycerinfüllung  | 151 327 85 010   |                         |
| 2.704        | <b>Druckwächter</b> GW 50 A6/1 5 - 50 mbar (für MV, Einzelventile)<br>GW 150 A6/1 10 - 150 mbar (für MV, Einzelventile)<br>GW 500 A6/1 100 - 500 mbar (für MV, Einzelventile)  | 691 381<br>691 382<br>691 383  |                         |
| 2.705        | <b>Druckwächter</b> GW 50 A5/1 5 - 50 mbar (für DMV+VGD+VPM-VC)<br>GW 150 A5/1 10 - 150 mbar (für DMV+VGD+VPM-VC)<br>GW 500 A5/1 100 - 500 mbar (für DMV+VGD)  | 691 378<br>691 379<br>691 380  |                         |
| 2.706        | <b>GW-Stecker</b> , 4-polig (für A5/1 u. A6/1)   | 217 304 26 022   |                         |
| 2.707        | <b>Doppelnippel</b> G 1/4" x 50 für Druckwächter A6/1  | 139 000 26 017   |                         |
| 2.708        | <b>Montageplatten-Set</b> (o. Bild) für VPM-VC<br>für DMV R 3/4 - R2 (Größe 1 - 5) und W-MF R 3/4 - R 1 1/2 (Größe 7 - 11)<br>für DMV DN 80 - DN 100 + VGD DN 125 + DN 40/11, DN 50/11<br>für DMV 525 (R 2)<br>für DMV DN 65 (DMV 5065/11 + /12)<br>für VGD DN 150 | 109 000 02 332<br>109 000 02 342<br>109 000 02 392<br>109 000 02 402<br>109 000 02 442                     |                         |
| <b>2.720</b> | <b>Dichtheitskontrolle VPS 504 für DMV-Ventile</b><br>(mit 2 O-Ringen und 4 Befestigungsschrauben)   |  |                         |
| 2.721        | <b>Dichtheitskontrolle VPS 504, S 03</b> mit Kabel 850 mm und 7-pol. Stecker, für WG-Brenner, CE-0085 AP 0168<br>230-240 V, 50Hz, IP54<br>110-120 V, 50Hz, IP54<br>230-240 V, 50Hz, IP54 (Flüssiggas)<br>110 V, 60 Hz<br>220 V, 60 Hz                              | 605 581<br>605 586<br>605 582<br>605 587<br>605 583  |                         |
| 2.722        | <b>Dichtheitskontrolle VPS 504, S 04</b> mit Klemmanschluss, für G- und WK-Brenner, CE-0085 AP 0168<br>230-240 V, 50Hz, IP54<br>110-120 V, 50Hz, IP54<br>230-240 V, 50Hz, IP54 (Flüssiggas)<br>220V, 60Hz<br>110 V, 60 Hz<br>220 V, 60 Hz (Flüssiggas)             | 605 580<br>605 588<br>605 584<br>605 585<br>605 589<br>605 590   |                         |
| 2.723        | <b>Adapter-Set für:</b><br>DMV   | 605 251  |                         |
| 2.724        | VPS 504  | 605 250  |                         |
| 2.725        | W-MF   | 605 252  |                         |
|              | <b>Gasschläuche</b>  |  |                         |
| 2.726        | <b>Flexible Gasschläuche für WG-Brenner (Innen-/Außengewinde PN 1 bar)</b><br>Gasschlauch 1/2" x 500 mm<br>1/2" x 1000 mm<br>3/4" x 500 mm<br>3/4" x 1000 mm<br>1" x 500 mm<br>1" x 1000 mm<br>1 1/2" x 500 mm<br>1 1/2" x 1000 mm<br>2" x 500 mm<br>2" x 1000 mm  | 491 252<br>491 253<br>491 254<br>491 255<br>491 256<br>491 257<br>491 258<br>491 259<br>491 260<br>491 261 |                         |

| No.          | Designation   |
|--------------|---|
| <b>2.7</b>   | <b>Valve proving</b>  |
| 2.701        | <b>Valve proving VPM-VC</b> 230 V ± 15%, 50/60 Hz<br>110 V - 120 V, 50/60 Hz<br><b>Conversion kit valve proving</b><br>W-DK3 in VPM 230 V<br>W-DK3 in VPM 120 V<br>W-DK2 in VPM 230 V with GW50 (with and without ignition gas)<br>W-DK2 in VPM 230 V with GW150 (with and without ignition gas)  |
| 2.702        | <b>Solenoid vent valve</b> , normally open<br>Type DN Pressure range<br>LGV 507/5, 230V G 3/4" 0.5 bar without screwed union<br>LGV 507/5, 110 V G 3/4" 0.5 bar without screwed union<br><br>add. required for burners <u>without</u> ignition gas with LGV:<br>Ignition gas valve for DMV 507-520 + WMF valves<br>Ignition gas valve for DMV 525<br><br>Leakage gas valve piping set (main gas valve with LGV)<br>(ign. gas valves above are included in the set)<br>Set for DMV 507-520 + WMF valves<br>Set for DMV 525<br>Set for DMV flanged + VDG valves |
| 2.703        | <b>Bubble jar</b> , R 3/4 without glycerin filling  |
| 2.704        | <b>Pressure switch</b> GW 50 A6/1 5 - 50 mbar (for single valves MV)<br>GW 150 A6/1 10 - 150 mbar (for single valves MV)<br>GW 500 A6/1 100 - 500 mbar (for single valves MV)   |
| 2.705        | <b>Pressure switch</b> GW 50 A5/1 5 - 50 mbar (for DMV+VGD+VPM-VC)<br>GW 150 A5/1 10 - 150 mbar (for DMV+VGD+VPM-VC)<br>GW 500 A5/1 100 - 500 mbar (for DMV+VGD)  |
| 2.706        | <b>Gas pressure switch plug</b> , 4 pole (for A5/1 and A6/1)  |
| 2.707        | <b>Double nipple</b> G 1/4" x 50 for pressure switch A6/1   |
| 2.708        | <b>Mounting plate set</b> (without picture) for VPM-VC<br>for DMV R 3/4 - R2 (size 1 - 5) and W-MF R 3/4 - R 1 1/2 (size 7 - 11)<br>for DMV DN 80 - DN 100 + VGD DN 125 + DN 40/11 DN 50/11<br>for DMV 525 (R 2)<br>for DMV DN 65 (DMV 5065/11 + /12)<br>for VGD DN 150   |
| <b>2.720</b> | <b>Valve proving VPS 504 for DMV valves</b><br>(with two O rings and four fixing screws)  |
| 2.721        | <b>Valve proving set VPS 504 S 03</b> with cable 850 mm and 7 pole plug, for WG burners, CE 0085 AP 0168<br>230-240 V, 50Hz, IP54<br>110-120 V, 50Hz, IP54<br>230-240 V, 50Hz, IP54 (LPG)<br>110 V, 60 Hz<br>220 V, 60 Hz (LPG)   |
| 2.722        | <b>Valve proving set VPS 504 S 04</b> with terminal connection, for G- and WK burners, CE-0085 AP 0168<br>230-240 V, 50Hz, IP54<br>110-120 V, 50Hz, IP54<br>230-240 V, 50Hz, IP54 (LPG)<br>220V, 60Hz<br>110 V, 60 Hz<br>220 V, 60 Hz (LPG)   |
| 2.723        | <b>Adaptor set for</b><br>DMV   |
| 2.724        | VPS 504   |
| 2.725        | W-FM  |
|              | <b>Gas hoses</b>  |
| 2.726        | <b>Flexible gas hoses for WG burners (inner/outer thread PN 1 bar)</b><br>Gas hose 1/2" x 500 mm<br>1/2" x 1000 mm<br>3/4" x 500 mm<br>3/4" x 1000 mm<br>1" x 500 mm<br>1" x 1000 mm<br>1 1/2" x 500 mm<br>1 1/2" x 1000 mm<br>2" x 500 mm<br>2" x 1000 mm  |

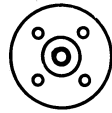
| No.          | Dénomination  |
|--------------|---|
| <b>2.7</b>   | <b>Contrôle d'étanchéité</b>  |
| 2.701        | <b>Contrôleur d'étanchéité VPM-VC</b> 230 V ± 15%, 50/60 Hz<br>110 V - 120 V, 50/60 Hz<br><b>Ensemble de transformation contrôleur d'étanchéité</b><br>W-DK3 en VPM 230 V<br>W-DK3 en VPM 120 V<br>W-DK2 en VPM 230 V avec GW50 (avec et sans vanne d'all.)<br>W-DK2 en VPM 230 V avec GW150 (avec et sans vanne d'all.)  |
| 2.702        | <b>Vanne magnétique pour mise à l'air libre</b> , ouverte hors tension<br>Type DN Plage de pression<br>LGV 507/5, 230V G 3/4" 0,5 bar sans raccord<br>LGV 507/5, 110 V G 3/4" 0,5 bar sans raccord<br>supplément nécessaire pour brûleurs <u>sans</u> vanne d'allumage avec vanne de mise à l'air libre :<br>Bride d'allumage gaz pour DMV 507-520 + vannes WMF<br>Bride d'allumage gaz pour DMV 525<br><br>Kit vanne de mise à l'air libre (vanne gaz principale jusqu'à vanne mise à l'air libre) (les brides d'allumage gaz précitées sont comprises dans le set)<br>Set pour DMV 507-520 + vannes WMF<br>Set pour DMV 525<br>Set pour DMV à brides + vannes VDG |
| 2.703        | <b>Indicteur visuel de fuite</b> , G 3/4 sans glycérine   |
| 2.704        | <b>Pressostat</b> GW 50 A6/1 5 - 50 mbar (pour vannes uniques)<br>GW 150 A6/1 10 - 150 mbar (pour vannes uniques)<br>GW 500 A6/1 100 - 500 mbar (pour vannes uniques)   |
| 2.705        | <b>Pressostat</b> GW 50 A5/1 5 - 50 mbar (pour DMV+VGD+VPM-VC)<br>GW 150 A5/1 10 - 150 mbar (pour DMV+VGD+VPM-VC)<br>GW 500 A5/1 100 - 500 mbar (pour DMV+VGD)  |
| 2.706        | <b>Connecteur</b> , 4 pôles (pour A5/1 et A6/1)   |
| 2.707        | <b>Mamelon double</b> G 1/4" x 50 pour pressostat A6/1  |
| 2.708        | <b>Ensemble plaque de montage</b> (sans photo) pour VPM-VC<br>pour DMV R 3/4 - R2 (taille 1 - 5) et W-MF R 3/4 - R 1 1/2 (taille 7 - 11)<br>pour DMV DN 80 - DN 100 + VGD DN 125 + DN 40/11 DN 50/11<br>pour DMV 525 (R 2)<br>pour DMV DN 65 (DMV 5065/11 + /12)<br>pour VGD DN 150   |
| <b>2.720</b> | <b>Contrôle d'étanchéité VPS 504 pour vannes DMV</b><br>(avec 2 joints toriques et 4 vis de fixation)   |
| 2.721        | <b>Contrôleur d'étanchéité VPS 504, S 03</b> avec câble 850 mm et connecteur 7 pôles, pour brûleurs WG, CE-0085 AP 0168<br>230-240 V, 50Hz, IP54<br>110-120 V, 50Hz, IP54<br>230-240 V, 50Hz, IP54 (GPL)<br>110 V, 60 Hz<br>220 V, 60 Hz (GPL)  |
| 2.722        | <b>Contrôleur d'étanchéité VPS 504, S 04</b> avec raccords, pour brûleurs G et WK, CE-0085 AP 0168<br>230-240 V, 50Hz, IP54<br>110-120 V, 50Hz, IP54<br>230-240 V, 50Hz, IP54 (GPL)<br>220V, 60Hz<br>110 V, 60 Hz<br>220 V, 60 Hz (GPL)   |
| 2.723        | <b>Ensemble d'adaptation pour</b><br>DMV  |
| 2.724        | VPS 504   |
| 2.725        | W-FM  |
|              | <b>Flexible pour brûleur gaz</b>  |
| 2.726        | <b>Flexible pour brûleur gaz WG (filetage intérieur/extérieur PN 1 Bar)</b><br>Flexible gaz 1/2" x 500 mm<br>1/2" x 1000 mm<br>3/4" x 500 mm<br>3/4" x 1000 mm<br>1" x 500 mm<br>1" x 1000 mm<br>1 1/2" x 500 mm<br>1 1/2" x 1000 mm<br>2" x 500 mm<br>2" x 1000 mm   |



2.801



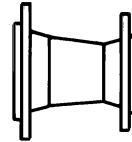
2.802



2.803



2.804

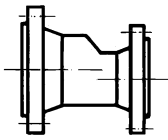


2.805

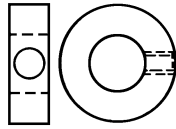
| Nr.        | Bezeichnung   | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |
|------------|---|--|-------------------------|
| <b>2.8</b> | <b>Kompensatoren und Verbindungsteile</b>   |  |                         |
| 2.801      | <b>Axial-Kompensator</b> , geflanscht: DIN 2633, PN10   |  |                         |
|            | Typ DN  |  |                         |
|            | ALN 10.0020.018.0 20  | 151 327 26 622                             |                         |
|            | ALN 10.0025.022.0 25  | 151 327 26 632                             |                         |
|            | ALN 10.0040.030.0 40  | 151 327 26 642                             |                         |
|            | ALN 10.0050.028.0 50  | 151 327 26 652                             |                         |
|            | ALN 10.0065.020.0 65  | 151 327 26 662                             |                         |
|            | ALN 10.0080.032.0 80  | 151 329 26 942                             |                         |
|            | ALN 10.0100.028.0 100   | 151 327 26 682                             |                         |
|            | ABN 10.0125.035.0 125   | 151 327 26 692                             |                         |
|            | ABN 10.0150.032.0 150   | 151 328 26 232                             |                         |
|            | Lieferumfang: Schrauben, Muttern und Dichtung für 1 Trennstelle   |  |                         |
| 2.802      | <b>Axial-Kompensator</b> geschraubt (Außengewinde)  |  |                         |
|            | Typ PN Länge  |  |                         |
|            | AGB 10.0020.028.0 R 3/4" 10 173 mm  | 454 354                                    |                         |
|            | AGB 10.0025.030.0 R 1" 10 194 mm  | 454 355                                    |                         |
|            | AGB 10.0040.034.0 R 1 1/2" 10 240 mm  | 454 356                                    |                         |
|            | AGB 10.0050.040.0 R 2" 10 270 mm  | 454 357                                    |                         |
|            | (Dichtungen siehe Pos. 2.823)   |  |                         |
| 2.803      | <b>Gewindeflansch</b> , DIN EN 1092-1   |  |                         |
|            | DN RP PN  |  |                         |
|            | 15 1/2 40   | 452 916                                    |                         |
|            | 20 3/4 40   | 452 924                                    |                         |
|            | 25 1 40   | 452 925                                    |                         |
|            | 40 1 1/2 40   | 452 920                                    |                         |
|            | 50 1 16   | 453 976                                    |                         |
|            | 50 1 1/2 16   | 453 977                                    |                         |
|            | 50 2 16   | 452 921                                    |                         |
|            | 65 2 1/2 16   | 452 922                                    |                         |
|            | 80 3 16   | 452 923                                    |                         |
| 2.804      | <b>Vorschweißflansch</b> , DIN EN 1092-1  |  |                         |
|            | 20 40   | 452 940                                    |                         |
|            | 25 40   | 452 941                                    |                         |
|            | 40 40   | 452 942                                    |                         |
|            | 50 40   | 452 936                                    |                         |
|            | 65 40   | 452 910                                    |                         |
|            | 80 16   | 452 911                                    |                         |
|            | 100 16  | 452 913                                    |                         |
|            | 125 16  | 452 914                                    |                         |
|            | 150 16  | 452 918                                    |                         |
| 2.805      | <b>Übergangsflansch, konzentrisch, aus Stahl und GGG</b><br>(max. Betriebsdruck PN16)<br>Flanschanschluss: DIN 2633, PN16 |  |                         |
|            | DN ca. Länge mm Werkstoff   |  |                         |
|            | 25 x 40 150 Stahl   | 151 327 26 712                             |                         |
|            | 25 x 50 165 Stahl   | 151 327 26 802                             |                         |
|            | 25 x 65 173 Stahl   | 151 330 26 202                             |                         |
|            | 25 x 80 182 Stahl   | 151 330 26 212                             |                         |
|            | 40 x 50 200 GGG   | 151 330 26 252                             |                         |
|            | 50 x 65 200 GGG   | 151 327 26 822                             |                         |
|            | 50 x 80 200 GGG   | 151 329 26 892                             |                         |
|            | 50 x 100 200 GGG  | 151 327 26 442                             |                         |
|            | 50 x 125 200 GGG  | 151 330 26 162                             |                         |
|            | 50 x 150 300 GGG  | 151 332 26 272                             |                         |
|            | 65 x 80 200 GGG   | 151 330 26 082                             |                         |
|            | 80 x 100 200 GGG  | 151 329 26 902                             |                         |
|            | 80 x 125 200 GGG  | 151 329 26 912                             |                         |
|            | 80 x 150 200 GGG  | 151 330 26 222                             |                         |
|            | 100 x 125 200 GGG   | 151 327 26 892                             |                         |
|            | 100 x 150 200 GGG   | 151 328 26 262                             |                         |
|            | 125 x 150 200 GGG   | 151 330 26 232                             |                         |
|            | Lieferumfang: Schrauben, Muttern und Dichtringe für 2 Trennstellen  |  |                         |

| No.        | Designation  |
|------------|--|
| <b>2.8</b> | <b>Compensators and connection parts</b>   |
| 2.801      | <b>Axial compensator</b> , flanged: DIN 2633, nominal pressure PN10,<br>Type    DN<br>ALN 10.0020.018.0                          20<br>ALN 10.0025.022.0                          25<br>ALN 10.0040.030.0                          40<br>ALN 10.0050.028.0                          50<br><br>ALN 10.0065.020.0                          65<br>ALN 10.0080.032.0                          80<br>ALN 10.0100.028.0                          100<br>ABN 10.0125.035.0                          125<br>ABN 10.0150.032.0                          150<br>Included in delivery: Screws, nuts and sealing for 1 connection point  |
| 2.802      | <b>Axial compensator</b> screwed (outer thread)<br>Type    PN                          Length<br>AGB 10.0020.028.0                          R 3/4"                          10                          173 mm<br>AGB 10.0025.030.0                          R 1"                                  10                          194 mm<br>AGB 10.0040.034.0                          R 1 1/2"                          10                          240 mm<br>AGB 10.0050.040.0                          R 2"                                  10                          270 mm<br>(Gaskets see Pos. 2.823)  |
| 2.803      | <b>Threaded flange</b> , DIN EN 1092-1<br><br>DN                          RP                          PN<br>15                          1/2                          40<br>20                          3/4                          40<br>25                          1                                  40<br>40                          1 1/2                          40<br>50                          1                                  16<br>50                          1 1/2                          16<br>50                          2                                  16<br>65                          2 1/2                          16<br>80                          3                                  16  |
| 2.804      | <b>Welded flange</b> , DIN EN 1092-1<br><br>DN    PN<br>20    40<br>25    40<br>40    40<br>50    40<br><br>65    40<br>80    16<br>100    16<br>125    16<br>150    16  |
| 2.805      | <b>Reducing flanges, concentric, of steel and GGG</b><br>(max. operating pressure PN16)<br>flanged: DN 2633, PN16<br><br>DN                          approx. length mm                          Material<br>25 x 40                          150    Steel<br>25 x 50                          165    Steel<br>25 x 65                          173    Steel<br>25 x 80                          182    Steel<br><br>40 x 50                          200    GGG<br>50 x 65                          200    GGG<br>50 x 80                          200    GGG<br>50 x 100                          200    GGG<br>50 x 125                          200    GGG<br>50 x 150                          300    GGG<br>65 x 80                          200    GGG<br><br>80 x 100                          200    GGG<br>80 x 125                          200    GGG<br>80 x 150                          200    GGG<br><br>100 x 125                          200    GGG<br>100 x 150                          200    GGG<br>125 x 150                          200    GGG<br><br>Included in delivery: Screws, nuts, sealing rings for 2 connection points |

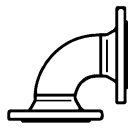
| No.        | Dénomination  |
|------------|---|
| <b>2.8</b> | <b>Compensateurs et éléments de raccordement</b>  |
| 2.801      | <b>Compensateur axial</b> , à brides : DIN 2633, PN10<br>Type    DN<br>ALN 10.0020.018.0                          20<br>ALN 10.0025.022.0                          25<br>ALN 10.0040.030.0                          40<br>ALN 10.0050.028.0                          50<br><br>ALN 10.0065.020.0                          65<br>ALN 10.0080.032.0                          80<br>ALN 10.0100.028.0                          100<br>ABN 10.0125.035.0                          125<br>ABN 10.0150.032.0                          150<br>La fourniture comprend : vis, écrous et joints pour une liaison  |
| 2.802      | <b>Compensateur axial</b> à visser (diamètre extérieur)<br>Type    PN                          Longueur<br>AGB 10.0020.028.0                          R 3/4"                          10                          173 mm<br>AGB 10.0025.030.0                          R 1"                                  10                          194 mm<br>AGB 10.0040.034.0                          R 1 1/2"                          10                          240 mm<br>AGB 10.0050.040.0                          R 2"                                  10                          270 mm<br>(pour les joints voir pos. 2.823)  |
| 2.803      | <b>Bride taraudée</b> , DIN EN 1092-1<br><br>DN                          RP                          PN<br>15                          1/2                          40<br>20                          3/4                          40<br>25                          1                                  40<br>40                          1 1/2                          40<br>50                          1                                  16<br>50                          1 1/2                          16<br>50                          2                                  16<br>65                          2 1/2                          16<br>80                          3                                  16  |
| 2.804      | <b>Bride à souder</b> , DIN EN 1092-1<br><br>DN    PN<br>20    40<br>25    40<br>40    40<br>50    40<br><br>65    40<br>80    16<br>100    16<br>125    16<br>150    16  |
| 2.805      | <b>Bride de réduction, concentrique, en acier et GGG</b><br>(pression de service max. PN16)<br>Raccordement par brides : DIN 2633, PN16<br><br>DN                          Longueur env. mm                          Werkstoff<br>25 x 40                          150    Stahl<br>25 x 50                          165    Stahl<br>25 x 65                          173    Stahl<br>25 x 80                          182    Stahl<br><br>40 x 50                          200    GGG<br>50 x 65                          200    GGG<br>50 x 80                          200    GGG<br>50 x 100                          200    GGG<br>50 x 125                          200    GGG<br>50 x 150                          300    GGG<br>65 x 80                          200    GGG<br><br>80 x 100                          200    GGG<br>80 x 125                          200    GGG<br>80 x 150                          200    GGG<br><br>100 x 125                          200    GGG<br>100 x 150                          200    GGG<br>125 x 150                          200    GGG<br><br>La fourniture comprend : vis, écrous et joints pour 2 liaisons |



2.806



2.807

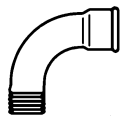


2.808

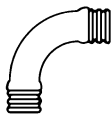
| Nr.             | Bezeichnung  | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
|-----------------|--|--|-------------------------|-------------------|----------------|-----------------|----------------|---------------|----------------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|-----------------|----------------|----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|----------------|----------------|---------|-----|------|----------------|---------|-----|------|----------------|----------|-----|------|----------------|--|--|--|--|---------|-----|-----|----------------|---------|-----|------|----------------|----------|-----|------|----------------|--|--|--|--|---------|-----|-----|----------------|----------|-----|------|----------------|----------|-----|------|----------------|----------|-----|------|----------------|----------|-----|------|----------------|--|--|--|--|-----------|-----|------|----------------|-----------|-----|------|----------------|-----------|-----|------|----------------|--|--|
| 2.806           | <b>Übergangsflansch, exzentrisch, aus Aluminium</b><br>(max. Betriebsdruck 3 bar)<br>geflanscht: DIN 2633, PN16,<br><b>nicht für Einbau vor dem Hochdruckregler</b>  |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
|                 | <table border="0"> <thead> <tr> <th>DN</th> <th>ca. Länge mm</th> <th>Mittensversatz mm</th> <th></th> </tr> </thead> <tbody> <tr><td>25 x 40</td><td>144</td><td>7,5</td><td>151 329 26 302</td></tr> <tr><td>25 x 50</td><td>159</td><td>12,5</td><td>151 329 26 312</td></tr> <tr><td>25 x 65</td><td>172</td><td>20,0</td><td>151 329 26 322</td></tr> <tr><td>25 x 80</td><td>177</td><td>27,5</td><td>151 329 26 832</td></tr> <tr><td colspan="4"> </td></tr> <tr><td>40 x 50</td><td>163</td><td>5,0</td><td>151 329 26 342</td></tr> <tr><td>40 x 65</td><td>177</td><td>12,5</td><td>151 329 26 352</td></tr> <tr><td>40 x 80</td><td>181</td><td>20,0</td><td>151 329 26 842</td></tr> <tr><td>40 x 100</td><td>195</td><td>31,0</td><td>151 329 26 372</td></tr> <tr><td colspan="4"> </td></tr> <tr><td>50 x 65</td><td>180</td><td>7,5</td><td>151 329 26 382</td></tr> <tr><td>50 x 80</td><td>185</td><td>15,0</td><td>151 329 26 852</td></tr> <tr><td>50 x 100</td><td>197</td><td>26,0</td><td>151 329 26 402</td></tr> <tr><td colspan="4"> </td></tr> <tr><td>65 x 80</td><td>185</td><td>7,5</td><td>151 329 26 862</td></tr> <tr><td>65 x 100</td><td>197</td><td>18,5</td><td>151 329 26 422</td></tr> <tr><td>65 x 125</td><td>227</td><td>31,0</td><td>151 329 26 432</td></tr> <tr><td>80 x 100</td><td>207</td><td>11,0</td><td>151 329 26 872</td></tr> <tr><td>80 x 125</td><td>232</td><td>23,5</td><td>151 329 26 882</td></tr> <tr><td colspan="4"> </td></tr> <tr><td>100 x 125</td><td>234</td><td>12,5</td><td>151 329 26 462</td></tr> <tr><td>100 x 150</td><td>247</td><td>26,5</td><td>151 329 26 472</td></tr> <tr><td>125 x 150</td><td>250</td><td>14,0</td><td>151 329 26 482</td></tr> </tbody> </table> Lieferumfang: Schrauben, Muttern und Dichtringe für 2 Trennstellen | DN   | ca. Länge mm            | Mittensversatz mm |                | 25 x 40         | 144            | 7,5           | 151 329 26 302 | 25 x 50         | 159            | 12,5           | 151 329 26 312 | 25 x 65         | 172            | 20,0           | 151 329 26 322 | 25 x 80         | 177            | 27,5           | 151 329 26 832 |                 |                |                 |                | 40 x 50         | 163            | 5,0            | 151 329 26 342 | 40 x 65 | 177 | 12,5 | 151 329 26 352 | 40 x 80 | 181 | 20,0 | 151 329 26 842 | 40 x 100 | 195 | 31,0 | 151 329 26 372 |  |  |  |  | 50 x 65 | 180 | 7,5 | 151 329 26 382 | 50 x 80 | 185 | 15,0 | 151 329 26 852 | 50 x 100 | 197 | 26,0 | 151 329 26 402 |  |  |  |  | 65 x 80 | 185 | 7,5 | 151 329 26 862 | 65 x 100 | 197 | 18,5 | 151 329 26 422 | 65 x 125 | 227 | 31,0 | 151 329 26 432 | 80 x 100 | 207 | 11,0 | 151 329 26 872 | 80 x 125 | 232 | 23,5 | 151 329 26 882 |  |  |  |  | 100 x 125 | 234 | 12,5 | 151 329 26 462 | 100 x 150 | 247 | 26,5 | 151 329 26 472 | 125 x 150 | 250 | 14,0 | 151 329 26 482 |  |  |
| DN              | ca. Länge mm   | Mittensversatz mm                          |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 25 x 40         | 144  | 7,5  | 151 329 26 302          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 25 x 50         | 159  | 12,5                                       | 151 329 26 312          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 25 x 65         | 172  | 20,0                                       | 151 329 26 322          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 25 x 80         | 177  | 27,5                                       | 151 329 26 832          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
|                 |  |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 40 x 50         | 163  | 5,0  | 151 329 26 342          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 40 x 65         | 177  | 12,5                                       | 151 329 26 352          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 40 x 80         | 181  | 20,0                                       | 151 329 26 842          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 40 x 100        | 195  | 31,0                                       | 151 329 26 372          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
|                 |  |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 50 x 65         | 180  | 7,5  | 151 329 26 382          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 50 x 80         | 185  | 15,0                                       | 151 329 26 852          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 50 x 100        | 197  | 26,0                                       | 151 329 26 402          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
|                 |  |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 65 x 80         | 185  | 7,5  | 151 329 26 862          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 65 x 100        | 197  | 18,5                                       | 151 329 26 422          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 65 x 125        | 227  | 31,0                                       | 151 329 26 432          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 80 x 100        | 207  | 11,0                                       | 151 329 26 872          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 80 x 125        | 232  | 23,5                                       | 151 329 26 882          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
|                 |  |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 100 x 125       | 234  | 12,5                                       | 151 329 26 462          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 100 x 150       | 247  | 26,5                                       | 151 329 26 472          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 125 x 150       | 250  | 14,0                                       | 151 329 26 482          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 2.807           | <b>Zwischenring mit 3/4"-Anschluss, aus Aluminium</b>  |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
|                 | <table border="0"> <thead> <tr> <th>DN</th> <th>Länge mm</th> <th></th> </tr> </thead> <tbody> <tr><td>25</td><td>40</td><td>151 336 26 672</td></tr> <tr><td>40</td><td>40</td><td>151 327 26 252</td></tr> <tr><td>50</td><td>40</td><td>151 327 26 742</td></tr> <tr><td>65</td><td>40</td><td>151 327 26 752</td></tr> <tr><td>80</td><td>40</td><td>151 327 26 762</td></tr> <tr><td>100</td><td>40</td><td>151 327 26 772</td></tr> <tr><td>125</td><td>40</td><td>151 327 26 782</td></tr> <tr><td>150</td><td>40</td><td>270 805 26 162</td></tr> </tbody> </table>  | DN   | Länge mm                |                   | 25             | 40              | 151 336 26 672 | 40            | 40             | 151 327 26 252  | 50             | 40             | 151 327 26 742 | 65              | 40             | 151 327 26 752 | 80             | 40              | 151 327 26 762 | 100            | 40             | 151 327 26 772  | 125            | 40              | 151 327 26 782 | 150             | 40             | 270 805 26 162 |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| DN              | Länge mm   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 25              | 40   | 151 336 26 672                             |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 40              | 40   | 151 327 26 252                             |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 50              | 40   | 151 327 26 742                             |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 65              | 40   | 151 327 26 752                             |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 80              | 40   | 151 327 26 762                             |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 100             | 40   | 151 327 26 772                             |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 125             | 40   | 151 327 26 782                             |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 150             | 40   | 270 805 26 162                             |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 2.808           | <b>Flanschbogen 90°, aus Aluminium</b><br>(max. Betriebsdruck 3 bar)<br>Flanschanschluss: DIN 2633 PN16,<br><b>nicht für Einbau vor dem Hochdruckregler</b>  |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
|                 | <table border="0"> <tbody> <tr><td>DN 25</td><td>151 330 26 062</td></tr> <tr><td>DN 40</td><td>151 330 26 072</td></tr> <tr><td>DN 50</td><td>151 329 26 522</td></tr> <tr><td>DN 65</td><td>151 329 26 532</td></tr> <tr><td>DN 80</td><td>151 329 26 822</td></tr> <tr><td>DN 100</td><td>151 329 26 552</td></tr> <tr><td>DN 125</td><td>151 329 26 562</td></tr> <tr><td>DN 150</td><td>151 329 26 572</td></tr> </tbody> </table>  | DN 25                                      | 151 330 26 062          | DN 40             | 151 330 26 072 | DN 50           | 151 329 26 522 | DN 65         | 151 329 26 532 | DN 80           | 151 329 26 822 | DN 100         | 151 329 26 552 | DN 125          | 151 329 26 562 | DN 150         | 151 329 26 572 |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| DN 25           | 151 330 26 062   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| DN 40           | 151 330 26 072   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| DN 50           | 151 329 26 522   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| DN 65           | 151 329 26 532   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| DN 80           | 151 329 26 822   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| DN 100          | 151 329 26 552   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| DN 125          | 151 329 26 562   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| DN 150          | 151 329 26 572   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 2.809           | <b>Übergangsflanschbogen Set</b>   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
|                 | <table border="0"> <tbody> <tr><td>DN 65 – DN 40</td><td>151 332 26 142</td></tr> <tr><td>DN 65 – DN 50</td><td>151 332 26 152</td></tr> <tr><td>DN 80 – DN 50</td><td>151 332 26 162</td></tr> <tr><td>DN 80 – DN 65</td><td>151 332 26 172</td></tr> <tr><td>DN 100 – DN 50</td><td>151 332 26 182</td></tr> <tr><td>DN 100 – DN 65</td><td>151 332 26 192</td></tr> <tr><td>DN 100 – DN 80</td><td>151 332 26 202</td></tr> <tr><td>DN 125 – DN 50</td><td>151 332 26 212</td></tr> <tr><td>DN 125 – DN 65</td><td>151 332 26 222</td></tr> <tr><td>DN 125 – DN 80</td><td>151 332 26 232</td></tr> <tr><td>DN 125 – DN 100</td><td>151 332 26 242</td></tr> <tr><td>DN 150 – DN 100</td><td>151 332 26 252</td></tr> <tr><td>DN 150 – DN 125</td><td>151 332 26 262</td></tr> </tbody> </table> Lieferumfang: Schrauben, Muttern, Dichtung beidseitig  | DN 65 – DN 40                              | 151 332 26 142          | DN 65 – DN 50     | 151 332 26 152 | DN 80 – DN 50   | 151 332 26 162 | DN 80 – DN 65 | 151 332 26 172 | DN 100 – DN 50  | 151 332 26 182 | DN 100 – DN 65 | 151 332 26 192 | DN 100 – DN 80  | 151 332 26 202 | DN 125 – DN 50 | 151 332 26 212 | DN 125 – DN 65  | 151 332 26 222 | DN 125 – DN 80 | 151 332 26 232 | DN 125 – DN 100 | 151 332 26 242 | DN 150 – DN 100 | 151 332 26 252 | DN 150 – DN 125 | 151 332 26 262 |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| DN 65 – DN 40   | 151 332 26 142   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| DN 65 – DN 50   | 151 332 26 152   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| DN 80 – DN 50   | 151 332 26 162   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| DN 80 – DN 65   | 151 332 26 172   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| DN 100 – DN 50  | 151 332 26 182   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| DN 100 – DN 65  | 151 332 26 192   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| DN 100 – DN 80  | 151 332 26 202   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| DN 125 – DN 50  | 151 332 26 212   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| DN 125 – DN 65  | 151 332 26 222   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| DN 125 – DN 80  | 151 332 26 232   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| DN 125 – DN 100 | 151 332 26 242   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| DN 150 – DN 100 | 151 332 26 252   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| DN 150 – DN 125 | 151 332 26 262   |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| 2.810           | <b>Austausch von Einzelventilen MVD...auf Doppelventil DMV.</b><br>Für den Längenausgleich werden folgende Zwischenflansche benötigt:  |  |                         |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
|                 | <table border="0"> <tbody> <tr><td>Zwischenflansch</td><td>DN 65</td><td>290 mm lang</td><td>151 337 26 102</td></tr> <tr><td>Zwischenflansch</td><td>DN 80</td><td>310 mm lang</td><td>151 337 26 112</td></tr> <tr><td>Zwischenflansch</td><td>DN 100</td><td>350 mm lang</td><td>151 337 26 122</td></tr> <tr><td>Zwischenflansch</td><td>DN 125</td><td>400 mm lang</td><td>151 337 26 132</td></tr> <tr><td>Zwischenflansch</td><td>DN 150</td><td>480 mm lang</td><td>151 337 26 142</td></tr> </tbody> </table>   | Zwischenflansch                            | DN 65                   | 290 mm lang       | 151 337 26 102 | Zwischenflansch | DN 80          | 310 mm lang   | 151 337 26 112 | Zwischenflansch | DN 100         | 350 mm lang    | 151 337 26 122 | Zwischenflansch | DN 125         | 400 mm lang    | 151 337 26 132 | Zwischenflansch | DN 150         | 480 mm lang    | 151 337 26 142 |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| Zwischenflansch | DN 65  | 290 mm lang                                | 151 337 26 102          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| Zwischenflansch | DN 80  | 310 mm lang                                | 151 337 26 112          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| Zwischenflansch | DN 100   | 350 mm lang                                | 151 337 26 122          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| Zwischenflansch | DN 125   | 400 mm lang                                | 151 337 26 132          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |
| Zwischenflansch | DN 150   | 480 mm lang                                | 151 337 26 142          |                   |                |                 |                |               |                |                 |                |                |                |                 |                |                |                |                 |                |                |                |                 |                |                 |                |                 |                |                |                |         |     |      |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |         |     |      |                |          |     |      |                |  |  |  |  |         |     |     |                |          |     |      |                |          |     |      |                |          |     |      |                |          |     |      |                |  |  |  |  |           |     |      |                |           |     |      |                |           |     |      |                |  |  |

| No.                 | Designation   |                     |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
|---------------------|---|---------------------|--------------------|------------------|---------------------|-------|-------------|---------------------|--------|-------------|---------------------|--------|-------------|---------------------|--------|-------------|---------|-----|-----|---------|-----|------|---------|-----|------|----------|-----|------|---------|-----|-----|---------|-----|------|----------|-----|------|---------|-----|-----|----------|-----|------|----------|-----|------|----------|-----|------|----------|-----|------|-----------|-----|------|-----------|-----|------|-----------|-----|------|
| 2.806               | <p><b>Reducing flanges, excentric, of aluminium</b><br/>(max. operating pressure 3 bar)<br/>flanged: DIN 2633, PN16<br/><b>not to be installed before the high pressure regulator</b></p> <table border="1"> <thead> <tr> <th>DN</th> <th>approx. length. mm</th> <th>Centre offset mm</th> </tr> </thead> <tbody> <tr><td>25 x 40</td><td>144</td><td>7,5</td></tr> <tr><td>25 x 50</td><td>159</td><td>12,5</td></tr> <tr><td>25 x 65</td><td>172</td><td>20,0</td></tr> <tr><td>25 x 80</td><td>177</td><td>27,5</td></tr> <tr><td>40 x 50</td><td>163</td><td>5,0</td></tr> <tr><td>40 x 65</td><td>177</td><td>12,5</td></tr> <tr><td>40 x 80</td><td>181</td><td>20,0</td></tr> <tr><td>40 x 100</td><td>195</td><td>31,0</td></tr> <tr><td>50 x 65</td><td>180</td><td>7,5</td></tr> <tr><td>50 x 80</td><td>185</td><td>15,0</td></tr> <tr><td>50 x 100</td><td>197</td><td>26,0</td></tr> <tr><td>65 x 80</td><td>185</td><td>7,5</td></tr> <tr><td>65 x 100</td><td>197</td><td>18,5</td></tr> <tr><td>65 x 125</td><td>227</td><td>31,0</td></tr> <tr><td>80 x 100</td><td>207</td><td>11,0</td></tr> <tr><td>80 x 125</td><td>232</td><td>23,5</td></tr> <tr><td>100 x 125</td><td>234</td><td>12,5</td></tr> <tr><td>100 x 150</td><td>247</td><td>26,5</td></tr> <tr><td>125 x 150</td><td>250</td><td>14,0</td></tr> </tbody> </table> <p>Included in delivery: Screws, nuts and sealing rings for 2 connection points</p> | DN                  | approx. length. mm | Centre offset mm | 25 x 40             | 144   | 7,5         | 25 x 50             | 159    | 12,5        | 25 x 65             | 172    | 20,0        | 25 x 80             | 177    | 27,5        | 40 x 50 | 163 | 5,0 | 40 x 65 | 177 | 12,5 | 40 x 80 | 181 | 20,0 | 40 x 100 | 195 | 31,0 | 50 x 65 | 180 | 7,5 | 50 x 80 | 185 | 15,0 | 50 x 100 | 197 | 26,0 | 65 x 80 | 185 | 7,5 | 65 x 100 | 197 | 18,5 | 65 x 125 | 227 | 31,0 | 80 x 100 | 207 | 11,0 | 80 x 125 | 232 | 23,5 | 100 x 125 | 234 | 12,5 | 100 x 150 | 247 | 26,5 | 125 x 150 | 250 | 14,0 |
| DN                  | approx. length. mm  | Centre offset mm    |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 25 x 40             | 144   | 7,5                 |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 25 x 50             | 159   | 12,5                |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 25 x 65             | 172   | 20,0                |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 25 x 80             | 177   | 27,5                |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 40 x 50             | 163   | 5,0                 |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 40 x 65             | 177   | 12,5                |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 40 x 80             | 181   | 20,0                |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 40 x 100            | 195   | 31,0                |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 50 x 65             | 180   | 7,5                 |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 50 x 80             | 185   | 15,0                |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 50 x 100            | 197   | 26,0                |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 65 x 80             | 185   | 7,5                 |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 65 x 100            | 197   | 18,5                |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 65 x 125            | 227   | 31,0                |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 80 x 100            | 207   | 11,0                |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 80 x 125            | 232   | 23,5                |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 100 x 125           | 234   | 12,5                |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 100 x 150           | 247   | 26,5                |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 125 x 150           | 250   | 14,0                |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 2.807               | <p><b>Intermediate rings with 3/4" connection</b></p> <table border="1"> <thead> <tr> <th>DN</th> <th>Length mm</th> </tr> </thead> <tbody> <tr><td>25</td><td>40</td></tr> <tr><td>40</td><td>40</td></tr> <tr><td>50</td><td>40</td></tr> <tr><td>65</td><td>40</td></tr> <tr><td>80</td><td>40</td></tr> <tr><td>100</td><td>40</td></tr> <tr><td>125</td><td>40</td></tr> <tr><td>150</td><td>40</td></tr> </tbody> </table>  | DN                  | Length mm          | 25               | 40                  | 40    | 40          | 50                  | 40     | 65          | 40                  | 80     | 40          | 100                 | 40     | 125         | 40      | 150 | 40  |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| DN                  | Length mm   |                     |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 25                  | 40  |                     |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 40                  | 40  |                     |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 50                  | 40  |                     |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 65                  | 40  |                     |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 80                  | 40  |                     |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 100                 | 40  |                     |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 125                 | 40  |                     |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 150                 | 40  |                     |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 2.808               | <p><b>Flange elbows, 90°, aluminium</b><br/>(max. operating pressure 3 bar)<br/>Flange connection: DIN 2633 PN16<br/><b>not to be installed before the high pressure regulator</b></p> <p>DN 25<br/>DN 40<br/>DN 50<br/>DN 65<br/>DN 80<br/>DN 100<br/>DN 125<br/>DN 150</p>  |                     |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 2.809               | <p><b>Intermediate flange elbow set</b></p> <p>DN 65 – DN 40<br/>DN 65 – DN 50<br/>DN 80 – DN 50<br/>DN 80 – DN 65<br/>DN 100 – DN 50<br/>DN 100 – DN 65<br/>DN 100 – DN 80<br/>DN 125 – DN 50<br/>DN 125 – DN 65<br/>DN 125 – DN 80<br/>DN 125 – DN 100<br/>DN 150 – DN 100<br/>DN 150 – DN 125</p> <p>Included in delivery: Screws, nuts, gasket both sides</p>   |                     |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 2.810               | <p><b>Replacement of single valves MVD... with double valves DMV.</b><br/>The following intermediate flanges are required for length compensation:</p> <table border="1"> <tbody> <tr><td>Intermediate flange</td><td>DN 65</td><td>290 mm long</td></tr> <tr><td>Intermediate flange</td><td>DN 80</td><td>310 mm long</td></tr> <tr><td>Intermediate flange</td><td>DN 100</td><td>350 mm long</td></tr> <tr><td>Intermediate flange</td><td>DN 125</td><td>400 mm long</td></tr> <tr><td>Intermediate flange</td><td>DN 150</td><td>480 mm long</td></tr> </tbody> </table>  | Intermediate flange | DN 65              | 290 mm long      | Intermediate flange | DN 80 | 310 mm long | Intermediate flange | DN 100 | 350 mm long | Intermediate flange | DN 125 | 400 mm long | Intermediate flange | DN 150 | 480 mm long |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| Intermediate flange | DN 65   | 290 mm long         |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| Intermediate flange | DN 80   | 310 mm long         |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| Intermediate flange | DN 100  | 350 mm long         |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| Intermediate flange | DN 125  | 400 mm long         |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| Intermediate flange | DN 150  | 480 mm long         |                    |                  |                     |       |             |                     |        |             |                     |        |             |                     |        |             |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |

| No.                 | Dénomination  |                     |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
|---------------------|---|---------------------|------------------|-----------------|---------------------|-------|--------------|---------------------|--------|--------------|---------------------|--------|--------------|---------------------|--------|--------------|---------|-----|-----|---------|-----|------|---------|-----|------|----------|-----|------|---------|-----|-----|---------|-----|------|----------|-----|------|---------|-----|-----|----------|-----|------|----------|-----|------|----------|-----|------|----------|-----|------|-----------|-----|------|-----------|-----|------|-----------|-----|------|
| 2.806               | <p><b>Bride de réduction excentrique, en aluminium</b><br/>(pression de service max. 3 bar)<br/>à brides : DIN 2633, PN16,<br/><b>Non prévu pour le montage avant le régulateur HP</b></p> <table border="1"> <thead> <tr> <th>DN</th> <th>Longueur env. mm</th> <th>décalage axe mm</th> </tr> </thead> <tbody> <tr><td>25 x 40</td><td>144</td><td>7,5</td></tr> <tr><td>25 x 50</td><td>159</td><td>12,5</td></tr> <tr><td>25 x 65</td><td>172</td><td>20,0</td></tr> <tr><td>25 x 80</td><td>177</td><td>27,5</td></tr> <tr><td>40 x 50</td><td>163</td><td>5,0</td></tr> <tr><td>40 x 65</td><td>177</td><td>12,5</td></tr> <tr><td>40 x 80</td><td>181</td><td>20,0</td></tr> <tr><td>40 x 100</td><td>195</td><td>31,0</td></tr> <tr><td>50 x 65</td><td>180</td><td>7,5</td></tr> <tr><td>50 x 80</td><td>185</td><td>15,0</td></tr> <tr><td>50 x 100</td><td>197</td><td>26,0</td></tr> <tr><td>65 x 80</td><td>185</td><td>7,5</td></tr> <tr><td>65 x 100</td><td>197</td><td>18,5</td></tr> <tr><td>65 x 125</td><td>227</td><td>31,0</td></tr> <tr><td>80 x 100</td><td>207</td><td>11,0</td></tr> <tr><td>80 x 125</td><td>232</td><td>23,5</td></tr> <tr><td>100 x 125</td><td>234</td><td>12,5</td></tr> <tr><td>100 x 150</td><td>247</td><td>26,5</td></tr> <tr><td>125 x 150</td><td>250</td><td>14,0</td></tr> </tbody> </table> <p>La fourniture comprend : vis, écrous et joints pour 2 liaisons</p> | DN                  | Longueur env. mm | décalage axe mm | 25 x 40             | 144   | 7,5          | 25 x 50             | 159    | 12,5         | 25 x 65             | 172    | 20,0         | 25 x 80             | 177    | 27,5         | 40 x 50 | 163 | 5,0 | 40 x 65 | 177 | 12,5 | 40 x 80 | 181 | 20,0 | 40 x 100 | 195 | 31,0 | 50 x 65 | 180 | 7,5 | 50 x 80 | 185 | 15,0 | 50 x 100 | 197 | 26,0 | 65 x 80 | 185 | 7,5 | 65 x 100 | 197 | 18,5 | 65 x 125 | 227 | 31,0 | 80 x 100 | 207 | 11,0 | 80 x 125 | 232 | 23,5 | 100 x 125 | 234 | 12,5 | 100 x 150 | 247 | 26,5 | 125 x 150 | 250 | 14,0 |
| DN                  | Longueur env. mm  | décalage axe mm     |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 25 x 40             | 144   | 7,5                 |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 25 x 50             | 159   | 12,5                |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 25 x 65             | 172   | 20,0                |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 25 x 80             | 177   | 27,5                |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 40 x 50             | 163   | 5,0                 |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 40 x 65             | 177   | 12,5                |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 40 x 80             | 181   | 20,0                |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 40 x 100            | 195   | 31,0                |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 50 x 65             | 180   | 7,5                 |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 50 x 80             | 185   | 15,0                |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 50 x 100            | 197   | 26,0                |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 65 x 80             | 185   | 7,5                 |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 65 x 100            | 197   | 18,5                |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 65 x 125            | 227   | 31,0                |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 80 x 100            | 207   | 11,0                |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 80 x 125            | 232   | 23,5                |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 100 x 125           | 234   | 12,5                |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 100 x 150           | 247   | 26,5                |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 125 x 150           | 250   | 14,0                |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 2.807               | <p><b>Bague intermédiaire avec raccord 3/4", en aluminium</b></p> <table border="1"> <thead> <tr> <th>DN</th> <th>Longueur mm</th> </tr> </thead> <tbody> <tr><td>25</td><td>40</td></tr> <tr><td>40</td><td>40</td></tr> <tr><td>50</td><td>40</td></tr> <tr><td>65</td><td>40</td></tr> <tr><td>80</td><td>40</td></tr> <tr><td>100</td><td>40</td></tr> <tr><td>125</td><td>40</td></tr> <tr><td>150</td><td>40</td></tr> </tbody> </table>  | DN                  | Longueur mm      | 25              | 40                  | 40    | 40           | 50                  | 40     | 65           | 40                  | 80     | 40           | 100                 | 40     | 125          | 40      | 150 | 40  |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| DN                  | Longueur mm   |                     |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 25                  | 40  |                     |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 40                  | 40  |                     |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 50                  | 40  |                     |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 65                  | 40  |                     |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 80                  | 40  |                     |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 100                 | 40  |                     |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 125                 | 40  |                     |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 150                 | 40  |                     |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 2.808               | <p><b>Coude à brides 90°, en aluminium</b><br/>(pression de service max. 3 bar)<br/>Raccordement à brides : DIN 2633 PN16,<br/><b>pas pour le montage avant le régulateur HP</b></p> <p>DN 25<br/>DN 40<br/>DN 50<br/>DN 65<br/>DN 80<br/>DN 100<br/>DN 125<br/>DN 150</p>  |                     |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 2.809               | <p><b>Ensemble coude concentrique</b></p> <p>DN 65 – DN 40<br/>DN 65 – DN 50<br/>DN 80 – DN 50<br/>DN 80 – DN 65<br/>DN 100 – DN 50<br/>DN 100 – DN 65<br/>DN 100 – DN 80<br/>DN 125 – DN 50<br/>DN 125 – DN 65<br/>DN 125 – DN 80<br/>DN 125 – DN 100<br/>DN 150 – DN 100<br/>DN 150 – DN 125</p> <p>La fourniture comprend : vis, écrous et joints des deux côtés</p>   |                     |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| 2.810               | <p><b>Remplacement vanne magn. simples MVD...par double vanne DMV.</b><br/>Bride intermédiaire nécessaire pour l'adaptation :</p> <table border="1"> <tbody> <tr><td>Bride intermédiaire</td><td>DN 65</td><td>long. 290 mm</td></tr> <tr><td>Bride intermédiaire</td><td>DN 80</td><td>long. 310 mm</td></tr> <tr><td>Bride intermédiaire</td><td>DN 100</td><td>long. 350 mm</td></tr> <tr><td>Bride intermédiaire</td><td>DN 125</td><td>long. 400 mm</td></tr> <tr><td>Bride intermédiaire</td><td>DN 150</td><td>long. 480 mm</td></tr> </tbody> </table>  | Bride intermédiaire | DN 65            | long. 290 mm    | Bride intermédiaire | DN 80 | long. 310 mm | Bride intermédiaire | DN 100 | long. 350 mm | Bride intermédiaire | DN 125 | long. 400 mm | Bride intermédiaire | DN 150 | long. 480 mm |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| Bride intermédiaire | DN 65   | long. 290 mm        |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| Bride intermédiaire | DN 80   | long. 310 mm        |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| Bride intermédiaire | DN 100  | long. 350 mm        |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| Bride intermédiaire | DN 125  | long. 400 mm        |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |
| Bride intermédiaire | DN 150  | long. 480 mm        |                  |                 |                     |       |              |                     |        |              |                     |        |              |                     |        |              |         |     |     |         |     |      |         |     |      |          |     |      |         |     |     |         |     |      |          |     |      |         |     |     |          |     |      |          |     |      |          |     |      |          |     |      |           |     |      |           |     |      |           |     |      |



2.811



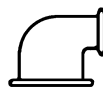
2.812



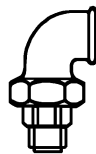
2.813



2.814



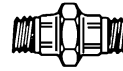
2.815



2.816



2.817



2.818

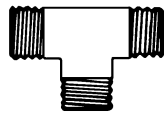
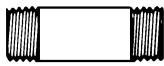


2.819

| Nr.   | Bezeichnung   | Bestell-Nr.<br>Order-No.<br>No de commande  | Preis EUR<br>(o. MwSt.) |
|-------|---|---|-------------------------|
| 2.811 | <b>Bogen lang, 90°, mit Innen- und Außengewinde</b><br>1/2<br>3/4<br>1<br>1 1/4<br>1 1/2<br>2   | 453 230<br>453 231<br>453 218<br>453 233<br>453 219<br>453 220  |                         |
| 2.812 | <b>Bogen lang, 90°, mit Außengewinde</b><br>1/2<br>3/4<br>1<br>1 1/4<br>1 1/2<br>2  | 453 228<br>453 229<br>453 223<br>453 234<br>453 224<br>453 225  |                         |
| 2.813 | <b>Muffe</b><br>3/8<br>1/2<br>3/4<br>1<br>1 1/4<br>1 1/2<br>2   | 151 336 26 307<br>453 500<br>453 524<br>453 514<br>453 517<br>453 515<br>453 516                                      |                         |
| 2.814 | <b>Winkel 90° mit Innengewinde</b><br>3/8<br>1/4<br>1/2<br>3/4<br>1<br>1 1/4<br>1 1/2<br>2<br>1 1/2 Innen/Außengewinde  | 453 103<br>453 144<br>453 104<br>453 143<br>453 123<br>453 107<br>453 137<br>453 112<br>453 155                       |                         |
| 2.815 | <b>Reduzier-Winkel 90° mit Innengewinde</b><br>3/4 x 1/2<br>1 x 1/2<br>1 x 3/4<br>1 x 1 1/4<br>1 x 1 1/2<br>1 1/4 x 3/4<br>1 1/4 x 1<br>1 1/2 x 3/4<br>2 x 1<br>2 x 1 1/4<br>2 x 1 1/2      | 453 102<br>453 108<br>453 125<br>453 127<br>453 124<br>453 129<br>453 130<br>453 138<br>453 115<br>453 131<br>453 116 |                         |
| 2.816 | <b>Winkel-Verschraubung, Dichtungen siehe Pos. 2.822</b><br>3/8<br>1/2<br>3/4<br>1<br>1 1/2<br>2  | 453 419<br>453 421<br>453 422<br>453 423<br>453 424<br>453 425  |                         |
| 2.817 | <b>Verschraubung mit Außen- u. Innengewinde, Dichtungen siehe Pos. 2.823</b><br>3/8<br>1/2<br>3/4<br>1<br>2   | 453 402<br>453 411<br>453 401<br>453 400<br>453 412   |                         |
| 2.818 | <b>Verschraubung mit Außengewinde, Dichtungen siehe Pos. 2.822</b><br>1/2 GF336<br>3/4 GF336<br>1 GF336<br>1 1/4 GF336<br>1 1/2 GF336   | 453 407<br>453 404<br>453 405<br>453 408<br>453 406   |                         |
| 2.819 | <b>Reduktionsnippel, mit Außen- und Innengewinde</b><br>1/2 x 1/8<br>1/2 x 1/4<br>1/2 x 3/8<br>3/4 x 1/2<br>1 x 1/2<br>1 x 3/4<br>1 1/2 x 3/4<br>1 1/2 x 1<br>2 x 3/4<br>2 x 1<br>2 x 1 1/2 | 453 738<br>453 706<br>453 701<br>453 084<br>453 735<br>453 086<br>453 085<br>453 713<br>453 710<br>453 719<br>453 718 |                         |



| No.   | Designation  | No.   | Dénomination  |
|-------|--|-------|---|
| 2.811 | <b>Elbows long, 90°, with internal and external thread</b><br>1/2<br>3/4<br>1<br>1 1/4<br>1 1/2<br>2   | 2.811 | <b>Coude long, 90°, avec filetage intérieur et extérieur</b><br>1/2<br>3/4<br>1<br>1 1/4<br>1 1/2<br>2  |
| 2.812 | <b>Elbows long, 90°, with external thread</b><br>1/2<br>3/4<br>1<br>1 1/4<br>1 1/2<br>2  | 2.812 | <b>Coude long, 90°, avec filetage extérieur</b><br>1/2<br>3/4<br>1<br>1 1/4<br>1 1/2<br>2   |
| 2.813 | <b>Socket</b><br>3/8<br>1/2<br>3/4<br>1<br>1 1/4<br>1 1/2<br>2   | 2.813 | <b>Manchon</b><br>3/8<br>1/2<br>3/4<br>1<br>1 1/4<br>1 1/2<br>2   |
| 2.814 | <b>Angles 90° with internal thread</b><br>3/8<br>1/4<br>1/2<br>3/4<br>1<br>1 1/4<br>1 1/2<br>2<br>1 1/2 internal/external thread   | 2.814 | <b>Coude équerre 90° avec filetage intérieur</b><br>3/8<br>1/4<br>1/2<br>3/4<br>1<br>1 1/4<br>1 1/2<br>2<br>1 1/2 filetage intérieur/extérieur  |
| 2.815 | <b>Reducing elbow 90° with internal thread</b><br>3/4 x 1/2<br>1 x 1/2<br>1 x 3/4<br>1 x 1 1/4<br>1 x 1 1/2<br>1 1/4 x 3/4<br>1 1/4 x 1<br>1 1/2 x 3/4<br>2 x 1<br>2 x 1 1/4<br>2 x 1 1/2        | 2.815 | <b>Réducteur équerre 90° avec filetage intérieur</b><br>3/4 x 1/2<br>1 x 1/2<br>1 x 3/4<br>1 x 1 1/4<br>1 x 1 1/2<br>1 1/4 x 3/4<br>1 1/4 x 1<br>1 1/2 x 3/4<br>2 x 1<br>2 x 1 1/4<br>2 x 1 1/2           |
| 2.816 | <b>Union elbow, seals see pos. 2.822</b><br>3/8<br>1/2<br>3/4<br>1<br>1 1/2<br>2   | 2.816 | <b>Raccord équerre, joints voir pos. 2.822</b><br>3/8<br>1/2<br>3/4<br>1<br>1 1/2<br>2  |
| 2.817 | <b>Screwed union with internal and external thread, seals see pos. 2.823</b><br>3/8<br>1/2<br>3/4<br>1<br>2  | 2.817 | <b>Raccord avec filetages extérieur et intérieur, joints voir pos. 2.823</b><br>3/8<br>1/2<br>3/4<br>1<br>2   |
| 2.818 | <b>Screwed union with external thread, seals see pos. 2.822</b><br>1/2 GF336<br>3/4 GF336<br>1 GF336<br>1 1/4 GF336<br>1 1/2 GF336   | 2.818 | <b>Raccord avec filetage extérieur, joints voir pos. 2.822</b><br>1/2 GF336<br>3/4 GF336<br>1 GF336<br>1 1/4 GF336<br>1 1/2 GF336   |
| 2.819 | <b>Reducing nipple, with external and internal thread</b><br>1/2 x 1/8<br>1/2 x 1/4<br>1/2 x 3/8<br>3/4 x 1/2<br>1 x 1/2<br>1 x 3/4<br>1 1/2 x 3/4<br>1 1/2 x 1<br>2 x 3/4<br>2 x 1<br>2 x 1 1/2 | 2.819 | <b>Manchon de réduction, avec filetages extérieur et intérieur</b><br>1/2 x 1/8<br>1/2 x 1/4<br>1/2 x 3/8<br>3/4 x 1/2<br>1 x 1/2<br>1 x 3/4<br>1 1/2 x 3/4<br>1 1/2 x 1<br>2 x 3/4<br>2 x 1<br>2 x 1 1/2 |



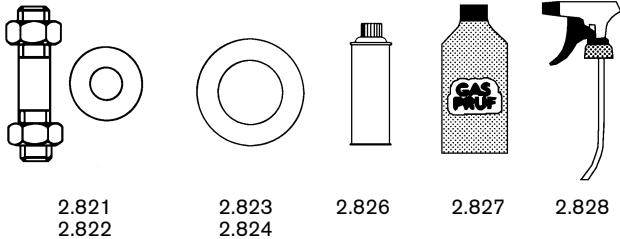
2.819.1

2.820

2.820.1

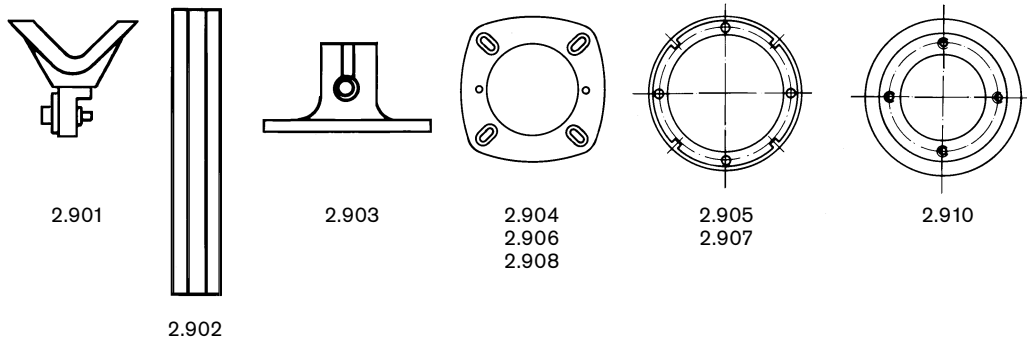
| Nr.     | Bezeichnung  | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |
|---------|--|--|-------------------------|
| 2.819.1 | <b>Muffe M4 IG x AG</b>                            |  |                         |
|         | 3/4 x 1/2  | 453 724                                    |                         |
|         | 1 x 3/4  | 453 741                                    |                         |
|         | 1 1/2 x 1  | 453 746                                    |                         |
|         | 2 x 1  | 453 747                                    |                         |
|         | 2 x 1 1/2  | 453 745                                    |                         |
| 2.820   | <b>Doppelnippel</b>                                |  |                         |
|         | R 1/4 x 50 mm                                      | 139 000 26 017                             |                         |
|         | R 1/4 x 160 mm                                     | 139 000 26 347                             |                         |
|         | R 3/8 x 50 mm                                      | 139 000 26 027                             |                         |
|         | R 3/8 x 160 mm                                     | 139 000 26 437                             |                         |
|         | R 3/8 x 200 mm                                     | 139 000 26 047                             |                         |
|         | R 3/8 x 250 mm                                     | 139 000 26 337                             |                         |
| 2.820   | <b>Doppelnippel</b>                                |  |                         |
|         | R 1/2 x 40 mm                                      | 139 000 26 547                             |                         |
|         | R 1/2 x 50 mm                                      | 139 000 26 057                             |                         |
|         | R 1/2 x 70 mm                                      | 139 000 26 067                             |                         |
|         | R 1/2 x 75 mm                                      | 139 000 26 527                             |                         |
|         | R 1/2 x 80 mm                                      | 139 000 26 077                             |                         |
|         | R 1/2 x 100 mm                                     | 139 000 26 557                             |                         |
|         | R 1/2 x 175 mm                                     | 139 000 26 537                             |                         |
|         | R 1/2 x 180 mm                                     | 139 000 26 087                             |                         |
|         | R 1/2 x 200 mm                                     | 139 000 26 097                             |                         |
|         | R 1/2 x 250 mm                                     | 139 000 26 297                             |                         |
|         | R 1/2 x 300 mm                                     | 139 000 26 307                             |                         |
|         | R 1/2 x 320 mm                                     | 139 000 26 107                             |                         |
|         | R 3/4 x 50 mm                                      | 139 000 26 117                             |                         |
|         | R 3/4 x 60 mm                                      | 139 000 26 917                             |                         |
|         | R 3/4 x 70 mm                                      | 139 000 26 927                             |                         |
|         | R 3/4 x 80 mm                                      | 139 000 26 127                             |                         |
|         | R 3/4 x 90 mm                                      | 139 000 26 937                             |                         |
|         | R 3/4 x 110 mm                                     | 139 000 26 947                             |                         |
|         | R 3/4 x 130 mm                                     | 139 000 26 957                             |                         |
|         | R 3/4 x 140 mm                                     | 139 000 26 967                             |                         |
|         | R 3/4 x 160 mm                                     | 139 000 26 137                             |                         |
|         | R 3/4 x 180 mm                                     | 139 000 26 147                             |                         |
|         | R 3/4 x 190 mm                                     | 139 000 26 977                             |                         |
|         | R 3/4 x 200 mm                                     | 139 000 26 157                             |                         |
|         | R 3/4 x 225 mm                                     | 139 000 26 167                             |                         |
|         | R 3/4 x 250 mm                                     | 139 000 26 477                             |                         |
|         | R 3/4 x 300 mm                                     | 139 000 26 317                             |                         |
|         | R 1 x 50 mm  | 139 000 26 177                             |                         |
|         | R 1 x 80 mm  | 139 000 26 397                             |                         |
|         | R 1 x 100 mm                                       | 139 000 26 187                             |                         |
|         | R 1 x 120 mm                                       | 139 000 26 197                             |                         |
|         | R 1 x 160 mm                                       | 139 000 26 207                             |                         |
|         | R 1 x 180 mm                                       | 139 000 26 407                             |                         |
|         | R 1 x 200 mm                                       | 139 000 26 217                             |                         |
|         | R 1 x 250 mm                                       | 139 000 26 487                             |                         |
|         | R 1 x 300 mm                                       | 139 000 26 327                             |                         |
|         | R 1 x 335 mm                                       | 139 000 26 577                             |                         |
|         | R 1 1/4 x 80 mm                                    | 139 000 26 357                             |                         |
|         | R 1 1/4 x 120 mm                                   | 139 000 26 367                             |                         |
|         | R 1 1/4 x 180 mm                                   | 139 000 26 377                             |                         |
|         | R 1 1/4 x 250 mm                                   | 139 000 26 497                             |                         |
|         | R 1 1/2 x 50 mm                                    | 139 000 26 227                             |                         |
|         | R 1 1/2 x 120 mm                                   | 139 000 26 237                             |                         |
|         | R 1 1/2 x 160 mm                                   | 139 000 26 247                             |                         |
|         | R 1 1/2 x 200 mm                                   | 139 000 26 257                             |                         |
|         | R 1 1/2 x 250 mm                                   | 139 000 26 517                             |                         |
|         | R 2 x 80 mm  | 139 000 26 267                             |                         |
|         | R 2 x 120 mm                                       | 139 000 26 697                             |                         |
|         | R 2 x 160 mm                                       | 139 000 26 277                             |                         |
|         | R 2 x 200 mm                                       | 139 000 26 287                             |                         |
| 2.820.1 | <b>T-Stück für Manometer- und Zündgasanschluss</b> |  |                         |
|         | 1/2 x 74 mm Außengewinde                           | 453 612                                    |                         |
|         | 3/4 x 86 mm Außengewinde                           | 453 613                                    |                         |
|         | 1 x 96 mm Außengewinde                             | 453 614                                    |                         |
|         | 1 1/2 x 112 mm Innengewinde (ohne Bild)            | 453 609                                    |                         |
|         | 2 x 130 mm Innengewinde (ohne Bild)                | 453 610                                    |                         |

| No.     | Designation   | No.     | Dénomination   |
|---------|---|---------|--|
| 2.819.1 | <b>Socket M4 IG x AG</b><br>3/4 x 1/2<br>1 x 3/4<br>1 1/2 x 1<br>2 x 1<br>2 x 1 1/2   | 2.819.1 | <b>Manchon M4 IG x AG</b><br>3/4 x 1/2<br>1 x 3/4<br>1 1/2 x 1<br>2 x 1<br>2 x 1 1/2   |
| 2.820   | <b>Double nipple</b><br>R 1/4 x 50 mm<br>R 1/4 x 160 mm<br><br>R 3/8 x 50 mm<br>R 3/8 x 160 mm<br>R 3/8 x 200 mm<br>R 3/8 x 250 mm  | 2.820   | <b>Mamelon double</b><br>R 1/4 x 50 mm<br>R 1/4 x 160 mm<br><br>R 3/8 x 50 mm<br>R 3/8 x 160 mm<br>R 3/8 x 200 mm<br>R 3/8 x 250 mm  |
| 2.820   | <b>Double nipple</b><br>R 1/2 x 40 mm<br>R 1/2 x 50 mm<br>R 1/2 x 70 mm<br>R 1/2 x 75 mm<br>R 1/2 x 80 mm<br>R 1/2 x 100 mm<br>R 1/2 x 175 mm<br>R 1/2 x 180 mm<br>R 1/2 x 200 mm<br>R 1/2 x 250 mm<br>R 1/2 x 300 mm<br>R 1/2 x 320 mm<br><br>R 3/4 x 50 mm<br>R 3/4 x 60 mm<br>R 3/4 x 70 mm<br>R 3/4 x 80 mm<br>R 3/4 x 90 mm<br>R 3/4 x 110 mm<br>R 3/4 x 130 mm<br>R 3/4 x 140 mm<br>R 3/4 x 160 mm<br>R 3/4 x 180 mm<br>R 3/4 x 190 mm<br>R 3/4 x 200 mm<br>R 3/4 x 225 mm<br>R 3/4 x 250 mm<br>R 3/4 x 300 mm<br><br>R 1 x 50 mm<br>R 1 x 80 mm<br>R 1 x 100 mm<br>R 1 x 120 mm<br>R 1 x 160 mm<br>R 1 x 180 mm<br><br>R 1 x 200 mm<br>R 1 x 250 mm<br>R 1 x 300 mm<br>R 1 x 335 mm<br><br>R 1 1/4 x 80 mm<br>R 1 1/4 x 120 mm<br>R 1 1/4 x 180 mm<br>R 1 1/4 x 250 mm<br><br>R 1 1/2 x 50 mm<br>R 1 1/2 x 120 mm<br>R 1 1/2 x 160 mm<br>R 1 1/2 x 200 mm<br>R 1 1/2 x 250 mm<br><br>R 2 x 80 mm<br>R 2 x 120 mm<br>R 2 x 160 mm<br>R 2 x 200 mm | 2.820   | <b>Mamelon double</b><br>R 1/2 x 40 mm<br>R 1/2 x 50 mm<br>R 1/2 x 70 mm<br>R 1/2 x 75 mm<br>R 1/2 x 80 mm<br>R 1/2 x 100 mm<br>R 1/2 x 175 mm<br>R 1/2 x 180 mm<br>R 1/2 x 200 mm<br>R 1/2 x 250 mm<br>R 1/2 x 300 mm<br>R 1/2 x 320 mm<br><br>R 3/4 x 50 mm<br>R 3/4 x 60 mm<br>R 3/4 x 70 mm<br>R 3/4 x 80 mm<br>R 3/4 x 90 mm<br>R 3/4 x 110 mm<br>R 3/4 x 130 mm<br>R 3/4 x 140 mm<br>R 3/4 x 160 mm<br>R 3/4 x 180 mm<br>R 3/4 x 190 mm<br>R 3/4 x 200 mm<br>R 3/4 x 225 mm<br>R 3/4 x 250 mm<br>R 3/4 x 300 mm<br><br>R 1 x 50 mm<br>R 1 x 80 mm<br>R 1 x 100 mm<br>R 1 x 120 mm<br>R 1 x 160 mm<br>R 1 x 180 mm<br><br>R 1 x 200 mm<br>R 1 x 250 mm<br>R 1 x 300 mm<br>R 1 x 335 mm<br><br>R 1 1/4 x 80 mm<br>R 1 1/4 x 120 mm<br>R 1 1/4 x 180 mm<br>R 1 1/4 x 250 mm<br><br>R 1 1/2 x 50 mm<br>R 1 1/2 x 120 mm<br>R 1 1/2 x 160 mm<br>R 1 1/2 x 200 mm<br>R 1 1/2 x 250 mm<br><br>R 2 x 80 mm<br>R 2 x 120 mm<br>R 2 x 160 mm<br>R 2 x 200 mm |
| 2.820.1 | <b>T piece</b> for pressure gauge and ignition gas connection<br>1/2 x 74 mm external thread<br>3/4 x 86 mm external thread<br>1 x 96 mm external thread<br>1 1/2 x 112 mm internal thread (without picture)<br>2 x 130 mm internal thread (without picture)  | 2.820.1 | <b>Raccord en T</b> pour raccordement manomètre et vanne d'allumage gaz<br>1/2 x 74 mm filetage extérieur<br>3/4 x 86 mm filetage extérieur<br>1 x 96 mm filetage extérieur<br>1 1/2 x 112 mm filetage intérieur (sans photo)<br>2 x 130 mm filetage intérieur (sans photo)  |



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|-------|--|--|-------------------------|
| 2.821 | <b>Verbindungsstücke</b> für eine Flanschverbindung, bestehend aus:<br>Dichtung, Stiftschrauben, Sechskant-Muttern                                       |  |                         |
|       | DN 20  | 151 331 26 332                             |                         |
|       | DN 25  | 151 331 26 292                             |                         |
|       | DN 40  | 151 331 26 302                             |                         |
|       | DN 50  | 151 331 26 312                             |                         |
|       | DN 65  | 151 341 26 042                             |                         |
|       | DN 80  | 151 351 26 072                             |                         |
|       | DN 100   | 151 361 26 042                             |                         |
|       | DN 125   | 151 371 26 032                             |                         |
|       | DN 150   | 151 381 26 022                             |                         |
| 2.822 | <b>Verbindungsstücke</b> , für eine Flanschverbindung mit Alu-Zwischenring, bestehend aus:<br>Dichtring, Stiftschrauben, Sechskant-Muttern               |  |                         |
|       | DN 25  | 151 336 26 992                             |                         |
|       | DN 40  | 151 331 26 352                             |                         |
|       | DN 50  | 151 331 26 322                             |                         |
|       | DN 65  | 151 341 26 052                             |                         |
|       | DN 80  | 151 351 26 082                             |                         |
|       | DN 100   | 151 361 26 052                             |                         |
|       | DN 125   | 151 371 26 042                             |                         |
| 2.823 | <b>Dichtungen</b> aus reinem Gummikork Typ N 4090, bis 4 bar und 100 °C,<br>für Verschraubungen (Gas)  |  |                         |
|       | 17 x 24 mm ø für Verschraubung R 3/8   | 441 008                                    |                         |
|       | 21 x 30 mm ø für Verschraubung R 1/2   | 441 009                                    |                         |
|       | 27 x 38 mm ø für Verschraubung R 3/4   | 441 010                                    |                         |
|       | 32 x 44 mm ø für Verschraubung R 1   | 441 011                                    |                         |
|       | 42 x 56 mm ø für Verschraubung R 1 1/4   | 441 032                                    |                         |
|       | 46 x 62 mm ø für Verschraubung R 1 1/2   | 441 012                                    |                         |
|       | 60 x 78 mm ø für Verschraubung R 2   | 441 024                                    |                         |
| 2.824 | <b>Dichtungen</b> aus Universal N, blau, bis 100 bar und 150 °C bei Gas,<br>40 bar und 180 °C bei Öl<br>für Vorschweiß- und Gewindeflansche (Öl und Gas) |  |                         |
|       | 28 x 53 mm - DN 20   | 441 013                                    |                         |
|       | 35 x 70 mm - DN 25   | 441 858                                    |                         |
|       | 49 x 70 mm - DN 25/40 *  | 441 851                                    |                         |
|       | 49 x 92 mm - DN 40   | 441 859                                    |                         |
|       | 61 x 107 mm - DN 50  | 441 860                                    |                         |
|       | 77 x 127 mm - DN 65  | 441 861                                    |                         |
|       | 90 x 142 mm - DN 80  | 441 044                                    |                         |
|       | 115 x 162 mm - DN 100  | 441 045                                    |                         |
|       | 141 x 194 mm - DN 125  | 441 046                                    |                         |
|       | 169 x 218 mm - DN 150  | 441 047                                    |                         |
|       | * Einsatz bei WM-G10/1 Ausführung ZMI Armatur R 1 1/2  |  |                         |
| 2.825 | <b>Gewindedichtfaden</b> Ulith 240 aus 100% PTFE<br>zur Abdichtung von Metal- und Kunststoffgewinden<br>Temperaturbeständigkeit -240°C bis +260°C        | 499 135                                    |                         |
| 2.826 | <b>Sprühreiniger</b> zum reinigen und entfetten der Dichtstellen,<br>Sprühdosen á 400 cm <sup>3</sup> , (FCKW-frei)                                      | 499 240                                    |                         |
| 2.827 | <b>Lecksuchmittel</b> "Gasprüf-Flüssig", 500 g   | 499 208                                    |                         |
| 2.828 | <b>Sprayer</b> für "Gasprüf-Flüssig"   | 499 209                                    |                         |
| 2.829 | <b>Mittelfeste Schraubensicherung SSM</b> "Loctite", Flasche 50 ml   | 391 104                                    |                         |
| 2.830 | <b>Differenzdruckwächter</b> für Gasdrossel  |  |                         |
|       | DN 25  | 290 305 25 012                             |                         |
|       | DN 40  | 290 305 25 022                             |                         |
|       | DN 50  | 290 305 25 032                             |                         |
|       | DN 65  | 290 305 25 042                             |                         |
|       | DN 80  | 290 305 25 052                             |                         |
|       | DN 100   | 290 305 25 062                             |                         |
|       | DN 150   | 270 805 25 052                             |                         |

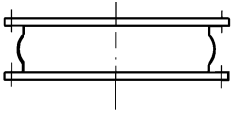
| No.   | Designation   | No.   | Dénomination   |
|-------|---|-------|--|
| 2.821 | <b>Connection parts</b> for one flange connection, consisting of:<br>Sealing, studs, hexagon nuts<br>DN 20<br>DN 25<br>DN 40<br><br>DN 50<br>DN 65<br>DN 80<br><br>DN 100<br>DN 125<br>DN 150   | 2.821 | <b>Éléments de liaison</b> pour un raccord à brides, comprenant :<br>joints, goujons avec écrous<br>DN 20<br>DN 25<br>DN 40<br><br>DN 50<br>DN 65<br>DN 80<br><br>DN 100<br>DN 125<br>DN 150   |
| 2.822 | <b>Connection parts</b> for one flange connection with intermediate ring, consisting of: Sealing ring, studs, hexagon nuts<br>DN 25<br>DN 40<br>DN 50<br>DN 65<br><br>DN 80<br>DN 100<br>DN 125   | 2.822 | <b>Éléments de liaison</b> , pour un raccord à brides avec bague intermédiaire aluminium, comprenant : joint, goujons avec écrous<br>DN 25<br>DN 40<br>DN 50<br>DN 65<br><br>DN 80<br>DN 100<br>DN 125   |
| 2.823 | <b>Seals</b><br>for screwed unions (gas)<br>17 x 24 mm ø for screwed union R 3/8<br>21 x 30 mm ø for screwed union R 1/2<br>27 x 38 mm ø for screwed union R 3/4<br>32 x 44 mm ø for screwed union R 1<br><br>42 x 56 mm ø for screwed union R 1 1/4<br>46 x 62 mm ø for screwed union R 1 1/2<br>60 x 78 mm ø for screwed union R 2  | 2.823 | <b>Joints</b> en liège type N 4090, jusqu'à 4 bar et 100 °C, pour raccords (gaz)<br>17 x 24 mm ø pour raccord R 3/8<br>21 x 30 mm ø pour raccord R 1/2<br>27 x 38 mm ø pour raccord R 3/4<br>32 x 44 mm ø pour raccord R 1<br><br>42 x 56 mm ø pour raccord R 1 1/4<br>46 x 62 mm ø pour raccord R 1 1/2<br>60 x 78 mm ø pour raccord R 2  |
| 2.824 | <b>Gaskets</b> made of Universal N, blue, up to 100 bar and 150 °C for gas, 40 bar and 180 °C for oil for welded and screwed flange (oil and gas)<br>28 x 53 mm - DN 20<br>35 x 70 mm - DN 25<br>49 x 70 mm - DN 25/40 *<br>49 x 92 mm - DN 40<br>61 x 107 mm - DN 50<br><br>77 x 127 mm - DN 65<br>90 x 142 mm - DN 80<br>115 x 162 mm - DN 100<br><br>141 x 194 mm - DN 125<br>169 x 218 mm - DN 150<br><br>* Used for WM-G10/1 version ZMI valve train R 1 1/2 | 2.824 | <b>Joints</b> universels N, bleu, jusqu'à 100 bar et 150 °C en gaz, 40 bar et 180 °C en fioul pour brides à souder et taraudées (fioul et gaz)<br>28 x 53 mm - DN 20<br>35 x 70 mm - DN 25<br>49 x 70 mm - DN 25/40 *<br>49 x 92 mm - DN 40<br>61 x 107 mm - DN 50<br><br>77 x 127 mm - DN 65<br>90 x 142 mm - DN 80<br>115 x 162 mm - DN 100<br><br>141 x 194 mm - DN 125<br>169 x 218 mm - DN 150<br><br>* Utilisation avec WM-G10/1 exéc. ZMI rampe R 1 1/2 |
| 2.825 | <b>Pipe Sealing Cord</b> Ulith 240, 100% PTFE for sealing metal and plastic threads<br>Temperature resistance -240°C to +260°   | 2.825 | <b>Ruban d'étanchéité</b> Ulith 240 en 100% PTFE pour raccords métalliques et plastiques<br>Résistance à la température -240°C à +260°   |
| 2.826 | <b>Spray cleaner</b> to clean and de-grease sealing joints, spray can 400 cm <sup>3</sup> (CFC free)  | 2.826 | <b>Spray</b> pour nettoyage et dégraissage des joints, Spray à 400 cm <sup>3</sup> , (sans FCKW)   |
| 2.827 | <b>Leak detecting spray "Gasprüf-Flüssig"</b>   | 2.827 | <b>Spray "Gasprüf-Flüssig"</b> , 500 g   |
| 2.828 | <b>Spray bottle</b> for "Gas leak detection fluid"  | 2.828 | <b>Vaporisateur pour "Gasprüf-Flüssig"</b>   |
| 2.829 | <b>Semi solid tamper-proof resin SSM "Loctite"</b> , 50 ml bottle   | 2.829 | <b>Frein filet moyen SSM "Loctite"</b> , flacon 50 ml  |
| 2.830 | <b>Differential pressure switch</b> for gas butterfly DN 25<br>DN 40<br>DN 50<br>DN 65<br>DN 80<br>DN 100<br>DN 150   | 2.830 | <b>Pressostat différentiel</b> pour clapet gaz DN 25<br>DN 40<br>DN 50<br>DN 65<br>DN 80<br>DN 100<br>DN 150   |



| Nr.        | Bezeichnung  | Bestell-Nr.<br>Order-No.<br>No de commande   | Preis EUR<br>(o. MwSt.) |
|------------|--|--|-------------------------|
| <b>2.9</b> | <b>Armaturen-Abstützung, Distanzringe, Zwischenflansche</b>  |  |                         |
|            | <b>Gasarmaturen-Abstützung</b>   |  |                         |
| 2.901      | Prisma mit Klemmschraube   | 109 000 00 452   |                         |
| 2.902      | Montageschiene 950 mm lang   | 109 000 00 337   |                         |
| 2.903      | Haltefuß mit Klemmschraube   | 109 000 00 442   |                         |
|            | <b>Zwischenflansch</b> , für Wärmeerzeuger mit vertieft liegender Kesselplatte oder Reinigungstür bzw. vorstehender Wendekammer, 35 mm Brennergrößen   |  |                         |
| 2.904      | G1, GL1, WM-G10/1 Ausf. ZM-LN<br>G3, GL3, RGL3   | 251 103 00 022<br>251 303 00 022   |                         |
| 2.905      | L5Z-1LN, WM-L10/3, WM-L10/4<br>WM-L20/1-A bis /3-A<br>G5, GL5, RGL5, WM-G(L)10/3, WM-G(L)10/4<br>G7, GL7, RGL7, WM-G(L)20<br>WM-G(L)10/2, WM-G10/1 Ausf. ZM  | 110 564 00 012<br>211 204 00 022<br>151 518 00 062<br>151 707 00 052<br>217 104 00 022 |                         |
|            | <b>Zwischenflansch</b> , für Wärmeerzeuger mit vertieft liegender Kesselplatte oder Reinigungstür bzw. vorstehender Wendekammer, 72 mm Brennergrößen   |  |                         |
| 2.906      | G1, GL1, WM-G10/1 Ausf. ZM-LN<br>G3, GL3, RGL3   | 251 103 00 012<br>251 303 00 012   |                         |
| 2.907      | WM-G(L)10/2, WM-G10/1 Ausf. ZM<br>G5, GL5, RGL5, WM-G(L)10/3, WM-G10/4<br>G7+G8, GL7+GL8, RGL7+RGL8, WM-G(L)20<br>G9+G10, GL9, RGL9+RGL10 + WM-G ( L ) 30/1/2<br>WM-G ( L ) 30/3                   | 217 104 00 032<br>151 518 00 052<br>151 707 00 042<br>151 907 00 042<br>211 316 00 012 |                         |
|            | Zum Lieferumfang gehören: Distanzring, Stiftschrauben, Unterlagscheiben und Muttern.<br>Bei der Bestellung ist zu berücksichtigen, dass unter Umständen eine Flammrohrverlängerung notwendig wird. |  |                         |
| 2.908      | <b>Zwischenflansch</b> mit Flanschdichtung und Schrauben, 30mm   |  |                         |
|            | WL5/WG5<br>W10-D / W20-C<br>WL20-C für Leitung < 70 kw, (18 mm)<br>WL30-C<br>WL40 (40 mm)  | 240 050 00 012<br>240 110 01 012<br>240 210 00 022<br>240 310 00 012<br>240 400 00 012 |                         |
|            | WGL30<br>WGL30, 80 mm<br>WG30-C<br>WG40 (40 mm)  | 230 300 00 022<br>230 300 00 032<br>240 310 00 012<br>240 400 00 012                   |                         |
| 2.910      | <b>Brennerplatte</b> 250 x 10<br>WL10, WL10-B, WG10<br>WL20, WL30, L1, WG20  | 109 000 04 737<br>109 000 04 747   |                         |
| 2.911      | <b>Glasnadelmatte</b> 15 x 500 x 1000  | 162 041  |                         |

| No.        | Designation  |
|------------|--|
| <b>2.9</b> | <b>Gas valve train support, spacer rings, Intermediate flange</b>  |
|            | <b>Gas valve train support</b>   |
| 2.901      | Prism with clamping screw  |
| 2.902      | Mounting rail 950mm long   |
| 2.903      | Holding support with clamping screw  |
|            | Intermediate flange, for heat exchanger with recessed boiler plate or cleaning door, or resp. protruding reversing chamber, 35 mm.   |
| 2.904      | Burner sizes<br>G1, GL1, WM-G10/1 vers. ZM-LN<br>G3, GL3, RGL3   |
| 2.905      | L5Z-1LN, WM-L10/3, WM-L10/4<br>WM-L20/1-A bis /3-A<br>G5, GL5, RGL5, WM-G(L)10/3, WM-G(L)10/4<br>G7, GL7, RGL7, WM-G(L)20<br>WM-G(L)10/2, WM-G10/1 vers. ZM                      |
|            | Intermediate flange, for heat exchanger with recessed boiler plate or cleaning door, or resp. protruding reversing chamber, 72mm.  |
| 2.906      | Burner sizes<br>G1, GL1, WM-G10/1 vers. ZM-LN<br>G3, GL3, RGL3   |
| 2.907      | WM-G(L)10/2, WM-G10/1 vers. ZM<br>G5, GL5, RGL5, WM-G(L)10/3, WM-G10/4<br>G7+G8, GL7+GL8, RGL7+RGL8, WM-G(L)20<br>G9+G10, GL9, RGL9+RGL10 + WM-G ( L ) 30/1/2<br>WM-G ( L ) 30/3 |
|            | Spacer ring, studs, supporting discs and nuts are included in delivery. When ordering please note that under certain circumstances a flame tube extension is necessary.          |
| 2.908      | <b>Intermediate flange</b><br>30 mm thick for with flange gasket and screws  |
|            | WL5/WG5<br>W10-D / W20-C<br>WL20-C for line < 70 kw, (18 mm)<br>WL30-C<br>WL40 (40 mm)   |
|            | WGL30<br>WGL30, 80 mm<br>WG30-C<br>WG40 (40 mm)  |
| 2.910      | <b>Burner plate</b> 250 x 10<br>WL10, WL10-B, WG10<br>WL20, WL30, L1, WG20   |
| 2.911      | <b>Glass fibre mat</b> 15 x 500 x 1000   |

| No.        | Dénomination   |
|------------|--|
| <b>2.9</b> | <b>Support de rampe, entretoises, brides d'aspiration</b>  |
|            | <b>Support de rampe gaz</b>  |
| 2.901      | Prisme avec visserie   |
| 2.902      | Rail de montage longueur 950 mm  |
| 2.903      | Support inférieur avec visserie  |
|            | Entretoise, pour générateurs avec plaque foyer décalée par rapport à la jaquette ou porte de ramonage resp. boîte à fumées, 35 mm  |
| 2.904      | Grandeur du brûleur<br>G1, GL1, WM-G10/1 exéc. ZM-LN<br>G3, GL3, RGL3  |
| 2.905      | L5Z-1LN, WM-L10/3, WM-L10/4<br>WM-L20/1-A bis /3-A<br>G5, GL5, RGL5, WM-G(L)10/3, WM-G(L)10/4<br>G7, GL7, RGL7, WM-G(L)20<br>WM-G(L)10/2, WM-G10/1 exéc. ZM                      |
|            | Entretoise, pour générateurs avec plaque foyer décalée par rapport à la jaquette ou porte de ramonage resp. boîte à fumées, 72 mm  |
| 2.906      | Grandeur du brûleur<br>G1, GL1, WM-G10/1 exéc. ZM-LN<br>G3, GL3, RGL3  |
| 2.907      | WM-G(L)10/2, WM-G10/1 exéc. ZM<br>G5, GL5, RGL5, WM-G(L)10/3, WM-G10/4<br>G7+G8, GL7+GL8, RGL7+RGL8, WM-G(L)20<br>G9+G10, GL9, RGL9+RGL10 + WM-G ( L ) 30/1/2<br>WM-G ( L ) 30/3 |
|            | La fourniture comprend : entretoise, goujons, rondelles et écrous.<br>Lors de la commande il faut prendre en compte qu'une rallonge de tête peut s'avérer nécessaire.            |
| 2.908      | <b>Entretoise</b> pour avec joint de bride et vis épaisseur 30 mm  |
|            | WL5/WG5<br>W10-D / W20-C<br>WL20-C pour conduite < 70 kW, (18 mm)<br>WL30-C<br>WL40 (40 mm)  |
|            | WGL30<br>WGL30, 80 mm<br>WG30-C<br>WG40 (40 mm )   |
| 2.910      | <b>Plaque brûleur</b> 250 x 10<br>WL10, WL10-B, WG10<br>WL20, WL30, L1, WG20   |
| 2.911      | <b>Isolant souple ASGLASIL</b> 15 x 500 x 1000   |



3.101

| Nr.       | Bezeichnung   | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |
|-----------|---|--|-------------------------|
| 2.912     | <b>Ansaugflansch Fremdluftansaugung ohne Luftdruckwächter</b>   |  |                         |
|           | WL5-PA DN 80  | 240 050 01 032                             |                         |
|           | WL5, WG5 DN 70  | 230 051 00 020                             |                         |
|           | W10-D DN 110  | 240 100 00 160                             |                         |
|           | W20-C DN 100  | 230 211 00 020                             |                         |
|           | WL30-C, WG30-C DN 150   | 240 301 00 030                             |                         |
|           | WL40/WG40 DN 150  | 240 401 00 020                             |                         |
|           | L1-RGL3   | 210 000 67 012                             |                         |
|           | L5-RGL5   | 110 564 01 042                             |                         |
|           | L7-RGMS8  | 110 764 04 052                             |                         |
|           | <b>Ansaugflansch Fremdluftansaugung mit Luftdruckwächter</b>  |  |                         |
|           | WL30 (mit W-FM25)   | 240 311 00 040                             |                         |
|           | WL40 (mit W-FM25)   | 240 401 00 090                             |                         |
|           | WG10 (mit W-FM05)   | 230 101 00 230                             |                         |
|           | WG10Z (mit W-FM25)  | 230 101 00 300                             |                         |
|           | WG20 (mit W-FM05)   | 230 211 00 030                             |                         |
|           | WG20Z (mit W-FM25)  | 230 211 00 080                             |                         |
|           | WG30/WGL30 (mit W-FM25)   | 230 311 00 090                             |                         |
|           | WG40/WGL40 (mit W-FM25)   | 230 401 00 100                             |                         |
|           | WM-L10/1-A (nicht bei Drehzahlsteuerung)  | 201 101 00 010                             |                         |
|           | WM-L10/2-4A (nicht bei Drehzahlsteuerung, ohne Magnetkupplung)  | 201 101 00 020                             |                         |
|           | WM-G10/1+2A   | 250 101 00 230                             |                         |
|           | WM-G10/3+4A   | 250 101 00 240                             |                         |
|           | WM-L20 (nicht bei Drehzahlsteuerung)  | 210 201 00 010                             |                         |
|           | WM-GL10/1+2 (ohne Magnetkupplung)   | 250 101 00 250                             |                         |
|           | WM-GL10/1+2 (mit Magnetkupplung)  | 250 101 00 270                             |                         |
|           | WM-GL10/3+4 (ohne Magnetkupplung)   | 250 101 00 260                             |                         |
|           | WM-GL10/3+4 (mit Magnetkupplung)  | 250 101 00 280                             |                         |
|           | WM-G(L)20   | 250 201 00 010                             |                         |
|           | WM-L30/1+2  | 210 311 00 010                             |                         |
|           | WM-(G)L30/1+2   | 250 311 00 010                             |                         |
|           | WM-L30/3  | 210 311 00 020                             |                         |
|           | WM-(G)L30/3   | 250 311 00 020                             |                         |
| <b>3.</b> | <b>Gewebekompensatoren / Dichtschnur</b>  |  |                         |
| 3.101     | <b>Gewebekompensator</b> (zwischen Brenner und Luftkanal)<br>mit Befestigungsteilen   |  |                         |
|           | WK4   | 170 405 00 022                             |                         |
|           | WK4 Heißluft  | 170 405 00 032                             |                         |
|           | WK40  | 270 405 00 022                             |                         |
|           | WK40 Heißluft   | 270 405 00 032                             |                         |
|           | WK50  | 270 505 00 012                             |                         |
|           | WK50 Heißluft   | 270 505 00 022                             |                         |
|           | WK70  | 270 705 00 012                             |                         |
|           | WK70 Heißluft   | 270 705 00 022                             |                         |
|           | WK 80   | 270 805 00 012                             |                         |
|           | WK 80 Heißluft  | 270 805 00 022                             |                         |
| 3.102     | <b>Dichtschnur</b> (ohne Bild)<br>20 mm Ø, Preis je lfd. Meter<br>25 mm Ø, Preis je lfd. Meter  | 499 181<br>499 159                         |                         |
| <b>4.</b> | <b>Regler</b>   |  |                         |
| 4.101     | <b>Digitalanzeiger D280-1</b><br>Außenabmessung: Front 48 x 96 mm, Einbautiefe 118 mm,<br>Einbauausschnitt: 92+0,8 x 45+0,6 mm,<br>zul. Temperaturbereich: 0...max. 60 °C Betrieb,<br>Schutzart nach DIN 40050 (IEC 529) Frontseite IP 65, Gehäuse IP 20<br>Hilfsenergie 90V...260V AC, 48...62Hz | 690 591                                    |                         |
|           | Ausgang: 2 Relaisausgänge, zuzuordnen über die Gerätekonfiguration<br>1 Analogausgang Istwert 0/4...20mA; 0/2...10V   |  |                         |
|           | Eingang: multifunktionaler Eingang über die Gerätekonfiguration auszuwählen z. B.:<br>PT 100 0 - 400 °C<br>Thermoelement Typ L 0 - 900 °C<br>Typ K 0-1350 °C<br>Spannungseingang (Druckaufnehmer A-10)<br>0...10 V<br>Stromeingang 0/4...20mA   |  |                         |
|           | Bedienungsanleitung DIG280 - 1 deutsch  | 690 597                                    |                         |
|           | Bedienungsanleitung DIG280 - 1 englisch   | 690 598                                    |                         |
|           | Bedienungsanleitung DIG280 - 1 französisch  | 690 599                                    |                         |



| No.   | Designation   |
|-------|---|
| 2.912 | <p><b>Intake flange ducted air intake without air pressure switch</b></p> <p>WL5-PA DN 80<br/> WL5, WG5 DN 70<br/> W10-D DN 110<br/> W20-C DN 100<br/> WL30-C, WG30-C DN 150<br/> WL40/WG40 DN 150</p> <p>L1-RGL3<br/> L5-RGL5<br/> L7-RGMS8</p> <p><b>Intake flange ducted air intake with air pressure switch</b></p> <p>WL30 (with W-FM25)<br/> WL40 (with W-FM25)<br/> WG10 (with W-FM05)<br/> WG10Z (with W-FM25)<br/> WG20 (with W-FM05)<br/> WG20Z (with W-FM25)<br/> WG30/WGL30 (with W-FM25)<br/> WG40/WGL40 (with W-FM25)</p> <p>WM-L10/1-A (not with speed control)<br/> WM-L10/2-4A (not with speed control, without magnetic coupling)</p> <p>WM-G10/1+2A<br/> WM-G10/3+4A<br/> WM-L20 (not with speed control)</p> <p>WM-GL10/1+2 (without magnetic coupling)<br/> WM-GL10/1+2 (with magnetic coupling)<br/> WM-GL10/3+4 (without magnetic coupling)<br/> WM-GL10/3+4 (with magnetic coupling)<br/> WM-G(L)20</p> <p>WM-L30/1+2<br/> WM-(G)L30/1+2<br/> WM-L30/3<br/> WM-(G)L30/3</p> |

### 3. Textile compensators / sealing cord

|       |  |
|-------|--|
| 3.101 | <p><b>Textile compensator</b> (between burner and air duct)<br/> with fixing parts<br/> WK4<br/> WK4 Hot air<br/> WK40<br/> WK40 Hot air<br/> WK50<br/> WK50 Hot air<br/> WK70<br/> WK70 Hot air<br/> WK 80<br/> WK 80 Hot air</p> |
| 3.102 | <p><b>Sealing cord</b> (w/o pictures)<br/> 20 mm Ø, price per metre<br/> 25 mm Ø, price per metre</p>  |

### 4. Controllers

|                                      |  |        |            |              |                                       |                                      |          |               |            |
|--------------------------------------|--|--------|------------|--------------|---------------------------------------|--------------------------------------|----------|---------------|------------|
| 4.101                                | <p><b>Digital display D280-1</b><br/> Outer dimensions: front 48 x 96 mm, intrusion into the panel 118 mm,<br/> Panel door cutout: 92+0,8 x 45+0,6 mm,<br/> Perm. temperature range: 0...max. 60 °C in operation,<br/> Type of protection to DIN 40050 (IEC 529) front IP 65, housing IP 20<br/> Auxiliary power 90V...260V AC, 48...62Hz</p> <p>Output: 2 relay outputs, assigned via device configuration<br/> 1 analogue output actual value 0/4...20mA; 0/2...10V</p> <p>Input: multifunctional input selected via device configuration, e.g.:</p> <table border="0"> <tr> <td>PT 100</td> <td>0 - 400 °C</td> </tr> <tr> <td>Thermocouple</td> <td>type L 0 - 900 °C<br/>type K 0-1350 °C</td> </tr> <tr> <td>Voltage input (pressure sensor A-10)</td> <td>0...10 V</td> </tr> <tr> <td>Current input</td> <td>0/4...20mA</td> </tr> </table> <p>Operating instructions DIG280 - 1 German<br/> Operating instructions DIG280 - 1 English<br/> Operating instructions DIG280 - 1 French</p> | PT 100 | 0 - 400 °C | Thermocouple | type L 0 - 900 °C<br>type K 0-1350 °C | Voltage input (pressure sensor A-10) | 0...10 V | Current input | 0/4...20mA |
| PT 100                               | 0 - 400 °C   |        |            |              |                                       |                                      |          |               |            |
| Thermocouple                         | type L 0 - 900 °C<br>type K 0-1350 °C  |        |            |              |                                       |                                      |          |               |            |
| Voltage input (pressure sensor A-10) | 0...10 V   |        |            |              |                                       |                                      |          |               |            |
| Current input                        | 0/4...20mA   |        |            |              |                                       |                                      |          |               |            |

| No.   | Dénomination   |
|-------|--|
| 2.912 | <p><b>Bride pour aspiration air extérieur sans pressostat d'air</b></p> <p>WL5-PA DN 80<br/> WL5, WG5 DN 70<br/> W10-D DN 110<br/> W20-C DN 100<br/> WL30-C, WG30-C DN 150<br/> WL40/WG40 DN 150</p> <p>L1-RGL3<br/> L5-RGL5<br/> L7-RGMS8</p> <p><b>Bride pour aspiration air extérieur avec pressostat d'air</b></p> <p>WL30 (avec W-FM25)<br/> WL40 (avec W-FM25)<br/> WG10 (avec W-FM05)<br/> WG10Z (avec W-FM25)<br/> WG20 (avec W-FM05)<br/> WG20Z (avec W-FM25)<br/> WG30/WGL30 (avec W-FM25)<br/> WG40/WGL40 (avec W-FM25)</p> <p>WM-L10/1-A (pas pour variation de vitesse)<br/> WM-L10/2-4A (pas pour variation de vitesse, sans accouplement magnétique)<br/> WM-G10/1+2A<br/> WM-G10/3+4A<br/> WM-L20 (pas pour variation de vitesse)</p> <p>WM-GL10/1+2 (sans accouplement magnétique)<br/> WM-GL10/1+2 (avec accouplement magnétique)<br/> WM-GL10/3+4 (sans accouplement magnétique)<br/> WM-GL10/3+4 (avec accouplement magnétique)<br/> WM-G(L)20</p> <p>WM-L30/1+2<br/> WM-(G)L30/1+2<br/> WM-L30/3<br/> WM-(G)L30/3</p> |

### 3. Compensateur / Cordon d'isolation

|       |  |
|-------|--|
| 3.101 | <p><b>Compensateur</b> (entre brûleur et canal d'air)<br/> avec éléments de fixation<br/> WK4<br/> WK4 air chaud<br/> WK40<br/> WK40 air chaud<br/> WK50<br/> WK50 air chaud<br/> WK70<br/> WK70 air chaud<br/> WK 80<br/> WK 80 air chaud</p> |
| 3.102 | <p><b>Cordon d'isolation</b> (sans image)<br/> 20 mm Ø, prix au mètre<br/> 25 mm Ø, prix au mètre</p>  |

### 4. Régulateurs

|                                    |  |        |           |              |                                     |                                    |          |                |            |
|------------------------------------|--|--------|-----------|--------------|-------------------------------------|------------------------------------|----------|----------------|------------|
| 4.101                              | <p><b>Afficheur digital D280-1</b><br/> Dimensions ext. : frontale 48 x 96 mm, profondeur de montage 118 mm,<br/> Découpe : 92+0,8 x 45+0,6 mm,<br/> Température admissible : 0...max. 60°C fonctionnement,<br/> Indice de protection selon DIN 40050 IEC 529) frontale IP 65,<br/> boîtier IP 20, énergie de secours 90V...260V AC, 48...62Hz</p> <p>Sortie : 2 relais de sortie, affectés à la configuration de l'appareil<br/> 1 sortie analogique valeur réelle 0/4...20mA ; 0/2...10V</p> <p>Entrée : entrée multifonctionnelle affectée à la configuration de l'appareil<br/> par ex.:</p> <table border="0"> <tr> <td>PT 100</td> <td>0 - 400°C</td> </tr> <tr> <td>Thermocouple</td> <td>Type L 0 - 900°C<br/>Type K 0-1350°C</td> </tr> <tr> <td>Entrée tension (transmetteur A-10)</td> <td>0...10 V</td> </tr> <tr> <td>Entrée courant</td> <td>0/4...20mA</td> </tr> </table> <p>Notice d'utilisation DIG280 - 1 allemand<br/> Notice d'utilisation DIG280 - 1 anglais<br/> Notice d'utilisation DIG280 - 1 français</p> | PT 100 | 0 - 400°C | Thermocouple | Type L 0 - 900°C<br>Type K 0-1350°C | Entrée tension (transmetteur A-10) | 0...10 V | Entrée courant | 0/4...20mA |
| PT 100                             | 0 - 400°C  |        |           |              |                                     |                                    |          |                |            |
| Thermocouple                       | Type L 0 - 900°C<br>Type K 0-1350°C  |        |           |              |                                     |                                    |          |                |            |
| Entrée tension (transmetteur A-10) | 0...10 V   |        |           |              |                                     |                                    |          |                |            |
| Entrée courant                     | 0/4...20mA   |        |           |              |                                     |                                    |          |                |            |

| Nr.   | Bezeichnung   | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |
|-------|---|--|-------------------------|
| 4.102 | <b>Digitalanzeiger di eco</b><br>Außenabmessung: Front 36 x 76 mm; Einbautiefe 56 mm,<br>Einbauausschnitt: 28,5+1 x 69+2,5 mm,<br>zul. Temperaturbereich: 0...max. 40 °C Betrieb,<br>Schutzart nach DIN 40050 (IEC 529) Frontseite IP 65, Gehäuse IP 20<br>Hilfsenergie 230V AC, 48...63 Hz<br><br>Ausgang: 1 Relaisausgang, AC 250V/10A 50 Hz ohmsche Last<br><br>Eingang 1: PT 100 - 200...+ 600 °C<br>oder PT 1000 - 260...+ 600 °C  | 690 607                                    |                         |
| 4.103 | <b>Digitalanzeiger di eco</b><br>Außenabmessung: Front 36 x 76 mm, Einbautiefe 56 mm,<br>Einbauausschnitt: 28,5+1 x 69+2,5 mm,<br>zul. Temperaturbereich: 0...max. 40 °C Betrieb,<br>Schutzart nach DIN 40050 (IEC 529) Frontseite IP 65, Gehäuse IP 20<br>Hilfsenergie 230V AC, 48...63 Hz<br><br>Ausgang: 1 Relaisausgang, AC 250V/10A 50 Hz ohmsche Last<br><br>Eingang 1: 0/4...20mA  | 690 608                                    |                         |
| 4.201 | <b>Regelgerät KS 40-108<br/>(für zweistufige, dreistufige und modulierende Brenner)</b><br><br>Außenabmessung: Front 96 x 48 mm, Einbautiefe 118 mm,<br>Einbauausschnitt: 92+0,8 x 45+0,6 mm,<br>zul. Temperaturbereich: 0...max. 60 °C Betrieb,<br>Schutzart nach DIN 40050 (IEC 529) Frontseite IP 65, Gehäuse IP 20<br>Hilfsenergie 90V...260V AC, 48...62Hz<br><br>Ausgang: 3 Relaisausgänge, zuzuordnen über die Gerätekonfiguration<br>Speisung des Messumformers P 30-w 18 V=<br><br>Eingang 1: multifunktionaler Eingang über die Gerätekonfiguration auszuwählen z. B.:<br>PT 100 0 - 400 °C<br>Thermoelement Typ L 0 - 900 °C<br>Typ K 0-1350 °C<br>Spannungseingang (Druckaufnehmer A-10)<br>0...10 V<br>Ferngeber 50 - 30 - 50 Ω<br>Stromeingang 0/4...20 mA<br><br>Eingang 2: analoger Stromeingang 0/4-20 mA (ext. Sollwertvorgabe)             | 690 345                                    |                         |
| 4.202 | <b>Regelgerät KS 20-108<br/>(für zweistufige, dreistufige und modulierende Brenner)</b><br><br>Außenabmessung: Front 48 x 49 mm, Einbautiefe 110 mm,<br>Einbauausschnitt: 45mm +0,5-0,0mm x 45mm +0,5-0,0mm<br>zul. Temperaturbereich: 0...max. 55 °C Betrieb,<br>Schutzart nach DIN 40050 (IEC 529) Frontseite IP 65, Gehäuse IP 20<br>Hilfsenergie 100V...240V AC, 50-60Hz<br><br>Ausgang: 3 Relaisausgänge, zuzuordnen über die Gerätekonfiguration<br>Speisung des Messumformers P 30-w 18 V=<br><br>Eingang 1: multifunktionaler Eingang über die<br>Gerätekonfiguration auszuwählen z. B.:<br>PT100 0-400°C<br>Thermoelement Typ L 0 - 900 °C<br>Typ K 0-1350 °C<br>Spannungseingang (Druckaufnehmer A-10)<br>0...10 V<br>Ferngeber 50 - 30 - 50 Ω<br>Stromeingang 0/4...20 mA<br><br>Eingang 2: analoger Stromeingang 0/4-20 mA (ext. Sollwertvorgabe) | 690 441                                    |                         |

| No.   | Designation   | No.   | Dénomination  |
|-------|---|-------|---|
| 4.102 | <p><b>Digital display di eco</b><br/>Outer dimensions: facial 36 x 76 mm, intrusion into the panel 56 mm<br/>Panel door cut out: 28,5+1 x 69+2,5 mm<br/>Permitted temperature range: 0...40 °C in operation,<br/>Protection class to DIN 40050 (IEC529), front IP 65, housing IP 20<br/>Auxiliary energy 230V AC, 48...63 Hz</p> <p>Output: 1 relay outputs, AC 250V/10A 50 Hz Ohm load</p> <p>Input 1:       PT 100       - 200...+ 600 °C<br/>          oder PT 1000   - 260...+ 600 °C</p>   | 4.102 | <p><b>Afficheur digital di eco</b><br/>Dimensions : frontale 36 x 76 mm, profondeur de montage 56 mm,<br/>Découpe : 28,5+1 x 69+2,5 mm,<br/>Température admissible : 0...max. 40 °C en fonctionnement,<br/>Indice de protection selon DIN 40050 (IEC 529) frontale IP 65, boîtier IP 20<br/>Energie de secours 230V AC, 48... 63 Hz</p> <p>Sortie : 1 relais de sortie, AC 250V/10A 50 Hz charge ohmique</p> <p>Entrée 1 :       PT 100       - 200...+ 600 °C<br/>          oder PT 1000   - 260...+ 600 °C</p>  |
| 4.103 | <p><b>Digital display di eco</b><br/>Outer dimensions: facial 36 x 76 mm, intrusion into the panel 56 mm<br/>Panel door cut out: 28,5+1 x 69+2,5 mm<br/>Permitted temperature range: 0...40 °C in operation,<br/>Protection class to DIN 40050 (IEC529), front IP 65, housing IP 20<br/>Auxiliary energy 230V AC, 48...63 Hz</p> <p>Output: 1 relay outputs, AC 250V/10A 50 Hz Ohm load</p> <p>Input 1: 0/4...20mA</p>  | 4.103 | <p><b>Afficheur digital di eco</b><br/>Dimensions : frontale 36 x 76 mm, profondeur de montage 56 mm,<br/>Découpe : 28,5+1 x 69+2,5 mm,<br/>Température admissible : 0...max. 40 °C en fonctionnement,<br/>Indice de protection selon DIN 40050 (IEC 529) frontale IP 65, boîtier IP 20<br/>Energie de secours 230V AC, 48... 63 Hz</p> <p>Sortie : 1 relais de sortie, AC 250V/10A 50 Hz charge ohmique</p> <p>Entrée 1 : 0/4...20mA</p>   |
| 4.201 | <p><b>Controller KS 40-108<br/>(for two stage, three stage and modulating burners)</b></p> <p>Outer dimensions: facial 96 x 46 mm, intrusion into the panel 118 mm<br/>Panel door cut out: 92+0,8 x 45+0,6 mm<br/>Permitted temperature range: 0...60 °C in operation,<br/>Protection class to DIN 40050 (IEC529), front IP 65, housing IP 20<br/>Auxiliary power 90V...260V AC, 48...62Hz</p> <p>Output: 3 relay outputs, matched according to unit configuration<br/>Feed for measurement transducer P 30-w 18V=</p> <p>Input 1: Multifunctional input selected according to unit configuration, i.e.<br/>Pt 100           0-400 °C<br/>Thermocouple   type L 0-900 °C<br/>                  type K 0-1350 °C<br/>Voltage input (pressure sensor A-10)<br/>                  0...10 V<br/>Remote transmitter   50 - 30 - 50 Ω<br/>Current input       0/4...20 mA</p> <p>Input 2: analogue current input 0/4-20 mA (ext. setpoint)</p>              | 4.201 | <p><b>Régulateur KS 40-108<br/>(pour brûleurs 2 ou 3 allures et modulants)</b></p> <p>Dimensions : frontale 96 x 48 mm, profondeur de montage 118 mm,<br/>Découpe : 92+0,8 x 45+0,6 mm,<br/>Température admissible : 0...max. 60 °C en fonctionnement,<br/>Indice de protection selon DIN 40050 (IEC 529) frontale IP 65, boîtier IP 20<br/>Energie 90V...260V AC, 48...62Hz</p> <p>Sortie : 3 sorties relais, affectés à la configuration de l'appareil<br/>Alimentation du convertisseur P 30-w 18 V=</p> <p>Entrée 1 : Entrée multifonc. à déterminer par la config. de l'appareil par ex. :<br/>PT 100           0 - 400 °C<br/>Thermo-couple   Type L 0 - 900 °C<br/>                  Type K 0-1350 °C<br/>Entrée tension (transmetteur A-10)<br/>                  0...10 V<br/>Transmetteur potentiométrique   50 - 30 - 50 Ω<br/>Entrée courant   0/4...20 mA</p> <p>Entrée 2 : Entrée courant analogique 0/4-20 mA (consigne ext.)</p>                                  |
| 4.202 | <p><b>KS 20-108 controller<br/>(for two stage, three stage and modulating burners)</b></p> <p>Outer dimensions: Front 48 x 49 mm, intrusion into the panel 110 mm,<br/>Panel door cutout: 45mm +0,5-0,0mm x 45mm +0,5-0,0mm<br/>Perm. temperature range: 0...max. 55 °C in operation,<br/>Type of protection to DIN 40050 (IEC 529) front IP 65, housing IP 20<br/>Auxiliary power 100V...240V AC, 50-60Hz</p> <p>Output: 3 relay outputs, assigned via device configuration<br/>Supply to the measurement transducer P 30-w 18 V=</p> <p>Input 1: multifunctional input selected via device configuration, e.g.:</p> <p>PT100           0-400°C<br/>Thermocouple   type L 0 - 900 °C<br/>                  type K 0-1350 °C<br/>Voltage input (pressure sensor A-10)<br/>                  0...10 V<br/>Remote transmitter   50 - 30 - 50 Ω<br/>Current input       0/4...20 mA</p> <p>Input 2: analogue current input 0/4-20 mA (ext. setpoint)</p> | 4.202 | <p><b>Régulateur KS 20-108<br/>(pour brûleurs 2 allures, 3 allures et modulant)</b></p> <p>Température ext. : frontale 48 x 49 mm, profondeur 110 mm,<br/>Découpe : 45mm +0,5-0,0mm x 45mm +0,5-0,0mm<br/>Température admissible : 0...max. 55°C fonctionnement,<br/>Indice de protection selon DIN 40050 (IEC 529) frontale IP 65, corps IP 20, énergie de secours 100V...240V AC, 50-60Hz</p> <p>Sortie : 3 relais de sortie, affectés à la configuration de l'appareil<br/>Alimentation du convertisseur P 30-w 18 V=</p> <p>Entrée 1: entrée multifonctionnelle à déterminer par la configuration de l'appareil par ex. :<br/>PT100           0-400°C<br/>Thermocouple   Type L 0 - 900 °C<br/>                  Type K 0-1350 °C<br/>Tension d'alimentation (transmetteur A-10)<br/>                  0...10 V<br/>Transmetteur à distance   50 - 30 - 50 Ω<br/>Entrée courant   0/4...20 mA</p> <p>Entrée 2 : entrée courant analogique 0/4-20 mA (consigne extérieure)</p> |

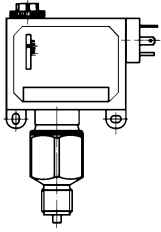
| Nr.   | Bezeichnung  | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |
|-------|--|--|-------------------------|
| 4.203 | <p><b>Regelgerät KS 40-102</b><br/>(für Brenner mit analogem Leistungseingang z.B. W-FM 100/200, DLU, Parallellauf)</p> <p>Außenabmessung: Front 96 x 48 mm, Einbautiefe 118 mm,<br/>Einbauausschnitt: 92+0,8 x 45+0,6 mm,<br/>zul. Temperaturbereich: 0...max. 60 °C Betrieb,<br/>Schutzart nach DIN 40050 (IEC 529) Frontseite IP 65, Gehäuse IP 20<br/>Hilfsenergie 90V...260V AC, 48...62 Hz</p> <p>Ausgang: 2 Relaisausgänge, 1 analoger Ausgang 0/2-10V oder 0/4-20mA<br/>Speisung des Messumformers P30-w 18V=</p> <p>Eingang 1: multifunktionaler Eingang über die Gerätekonfiguration auszuwählen z. B.:<br/>PT 100 -200 - 850 °C<br/>Thermoelement Typ L, J, K, N, S, R<br/>Spannungseingang (Druckaufnehmer A-10)<br/>0/2...10 V<br/>Stromeingang 0/4...20 mA</p> <p>Eingang 2: analoger Stromeingang 0/4-20 mA (ext. Sollwertvorgabe)</p>                  | 690 349                                    |                         |
| 4.204 | <p><b>Regelgerät KS 20-102</b><br/>(für Brenner mit analogem Leistungseingang z.B. W-FM 100/200, DLU, Parallellauf)</p> <p>Außenabmessung: Front 96 x 48 mm, Einbautiefe 110 mm,<br/>Einbauausschnitt: 45mm +0,5-0,0mm x 45mm +0,5-0,0mm<br/>zul. Temperaturbereich: 0...max. 60 °C Betrieb,<br/>Schutzart nach DIN 40050 (IEC 529) Frontseite IP 65, Gehäuse IP 20<br/>Hilfsenergie 100V...240V AC, 50-60Hz</p> <p>Ausgang: 2 Relaisausgänge, 1 analoger Ausgang 0/2-10V oder 0/4-20mA<br/>Speisung des Messumformers P 30-w 18 V=</p> <p>Eingang 1: multifunktionaler Eingang über die<br/>Gerätekonfiguration auszuwählen z. B.:<br/>PT100 -200 - 850 °C<br/>Thermoelement Typ L, J, K, N, S, R<br/>Spannungseingang (Druckaufnehmer A-10)<br/>0/2...10 V<br/>Stromeingang 0/4...20 mA</p> <p>Eingang 2: analoger Stromeingang 0/4-20 mA (ext. Sollwertvorgabe)</p> | 690 442                                    |                         |
| 4.301 | <p><b>Druckmessumformer Typ A-10, 0-10V mit Piezo-Messelement</b></p> <p>Ausgangssignal: 0 - 10 V; 3 Leiter; Druckanschluss: G 1/2 n. DIN EN 837<br/>Schlüsselweite: SW 27;<br/>Elektr. Anschluss: Winkelstecker DIN EN 175301-803 A<br/>Dämpfungsbohrung: 0,3mm<br/>Spannungs-Versorgung: DC 14 - 30 V<br/>0 - 1 bar<br/>0 - 16 bar<br/>0 - 40 bar</p> <p><b>Druckmessumformer Typ A-10, 4-20mA mit Piezo-Messelement</b></p> <p>Ausgangssignal: 4 - 20 mA; 2 Leiter; Druckanschluss: G 1/2 n. DIN EN 837<br/>Schlüsselweite: SW 27;<br/>Elektr. Anschluss: Winkelstecker DIN EN 175301-803 A<br/>Dämpfungsbohrung: 0,3mm<br/>Spannungs-Versorgung: DC 8- 30 V<br/>0 - 1 bar<br/>0 - 16 bar<br/>0 - 40 bar</p>  | 690 623<br>690 624<br>690 625              |                         |
|       |  | 690 626<br>690 627<br>690 628              |                         |

| No.   | Designation  |
|-------|--|
| 4.203 | <p><b>Controller KS 40-102</b><br/>(for burners with analogue load input, i.e. W-FM 100/200, DLU, parallél run)</p> <p>Outer dimensions: facial 96 x 46 mm, intrusion into the panel 118 mm<br/>Panel door cut out: 92+0.8 x 45+0.6 mm<br/>Permitted temperature range: 0...60 °C in operation,<br/>Protection class to DIN 40050 (IEC529), front IP 65, housing IP 20<br/>Auxiliary energy 90V...260V AC, 48...62Hz</p> <p>Output: 2 relay outputs, 1 analogue output 0/2 - 10 V or 0/4 - 20mA<br/>Feed for measurement transducer P 30-w 18V=</p> <p>Input 1: Multifunctional input selected according to unit configuration, i.e.<br/>PT100 -200 - 850 °C<br/>Thermocouple type L, J, K, N, S, R<br/>Voltage input (pressure sensor A-10)<br/>0/2...10V<br/>Current input 0/4...20mA</p> <p>Input 2: Analogue current input 0/4 - 20mA (ext. set value setting)</p> |
| 4.204 | <p><b>KS 20-102 controller</b><br/>(for burners with analogue load input, e.g. W-FM 100/200, DLU, parallel run)</p> <p>Outer dimensions: Front 96 x 48 mm, intrusion into the panel 110 mm,<br/>Panel door cutout: 45mm +0.5-0.0mm x 45mm +0.5-0.0mm<br/>Perm. temperature range: 0...max. 60 °C in operation,<br/>Type of protection to DIN 40050 (IEC 529) front IP 65, housing IP 20<br/>Auxiliary power 100V...240V AC, 50-60Hz</p> <p>Output: 2 relay outputs, 1 analogue output 0/2-10V or 0/4-20mA<br/>Supply of measurement transducer P 30-w 18 V=</p> <p>Input 1: multifunctional input selected via device configuration e. g.:<br/>PT100 -200 - 850 °C<br/>Thermocouple type L, J, K, N, S, R<br/>Voltage input (pressure sensor A-10)<br/>0/2...10 V<br/>Current input 0/4...20 mA</p> <p>Input 2: Analogue current input 0/4-20 mA (ext. setpoint)</p>   |
| 4.301 | <p><b>Press. measurement transducer Type A-10</b></p> <p>Output signal: 0 - 10 V; 3 conductor; press. conn: G 1/2 n. DIN EN 837<br/>Spanner size: SW 27;<br/>Electr. conn.: angle plug DIN EN 175301-803 A<br/>Damping orifice: 0.3mm<br/>Voltage supply: DC 14 - 30 V<br/>0 - 1 bar<br/>0 - 16 bar<br/>0 - 40 bar</p> <p><b>Press. measurement transducer Type A-10</b><br/>4-20mA with Piezo measuring element<br/>Output signal: 4 - 20 mA; 2 conductor; press. conn.: G 1/2 to DIN EN 837 Key size: SW 27;<br/>Electr. conn.: angle plug DIN EN 175301-803 A<br/>Damping orifice: 0.3mm<br/>Voltage supply: DC 8- 30 V<br/>0 - 1 bar<br/>0 - 16 bar<br/>0 - 40 bar</p>   |

| No.   | Dénomination  |
|-------|---|
| 4.203 | <p><b>Régulateur KS 40-102</b><br/>(pour br. avec entrée analog. par ex. W-FM 100/200, DLU, marche para.)</p> <p>Dimensions : frontale 96 x 48 mm, profondeur de montage 118 mm,<br/>Découpe : 92+0,8 x 45+0,6 mm,<br/>Température admissible : 0...max. 60 °C en fonctionnement,<br/>Indice de protection selon DIN 40050 (IEC 529) frontale IP 65, boîtier IP 20<br/>Energie de secours 90V...260V AC, 48...62 Hz</p> <p>Sortie : 2 relais de sortie, 1 sortie analogique 0/2-10V ou 0/4-20mA<br/>Alimentation du convertisseur P30-w 18V=</p> <p>Entrée 1 : Entrée multif. à déterm. par la conf. de l'appareil par ex.<br/>PT 100 -200 - 850 °C<br/>Thermo-couple Type L, J, K, N, S, R<br/>Entrée tension (transmetteur A-10)<br/>0/2...10 V<br/>Entrée courant 0/4...20 mA</p> <p>Entrée 2 : Entrée analogique 0/4-20 mA (consigne externe)</p>   |
| 4.204 | <p><b>Régulateur KS 20-102</b><br/>(pour brûleurs avec entrée de puissance analogique par ex. W-FM 100/200, DLU, marche parallèle)</p> <p>Dimension ext: frontale 96 x 48 mm, profondeur 110 mm,<br/>Découpe : 45mm +0,5-0,0mm x 45mm +0,5-0,0mm<br/>Température admissible : 0...max. 60°C fonctionnement,<br/>Indice de protection selon DIN 40050 (IEC 529) frontale IP 65, corps IP 20<br/>Energie de secours 100V...240V AC, 50-60Hz</p> <p>Sortie : 2 relais de sortie, 1 sortie analogique 0/2-10V ou 0/4-20mA<br/>Alimentation du convertisseur P 30-w 18 V=</p> <p>Entrée 1 : Entrée multifonctionnelle à déterminer par la configuration de l'appareil par ex. :<br/>PT100 -200 - 850 °C<br/>Thermocouple Type L, J, K, N, S, R<br/>Tension d'alimentation (transmetteur A-10)<br/>0/2...10 V<br/>Entrée courant 0/4...20 mA</p> <p>Entrée 2 : Entrée courant analogique 0/4-20 mA (ex. consigne)</p> |
| 4.301 | <p><b>Convertisseur de pression Type A-10</b></p> <p>Signal de sortie : 0 - 10 V; 3 fils ; raccord pression G 1/2 selon DIN EN 837 Clé de 27 ;<br/>raccordement électrique : connecteur DIN EN 175301-803<br/>Perçage du diaphragme : 0,3mm<br/>Tension d'alimentation : DC 14 - 30 V<br/>0 - 1 bar<br/>0 - 16 bar<br/>0 - 40 bar</p> <p><b>Convertisseur de pression Type A-10</b><br/>4-20mA avec élément de mesure Piezo<br/>Signal de sortie : 4 - 20 mA; 2 fils ; raccordement pression : G 1/2 selon DIN EN 837 clé de 27 ;<br/>Raccordement élect. : connecteur DIN EN 175301-803 A<br/>Perçage du diaphragme : 0,3 mm<br/>Tension d'alimentation : DC 8- 30 V<br/>0 - 1 bar<br/>0 - 16 bar<br/>0 - 40 bar</p>   |

| Nr.   | Bezeichnung  | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |
|-------|--|--|-------------------------|
| 4.302 | <b>Widerstands-Temperaturfühler Pt 100</b> DIN 60751 Kl. B<br>Bereich 50 - 400 °C, mit Meßgeber 1 x PT 100<br>PCA Meßwiderstand, Anschlusskopf Form B<br>Alu-Druckguß mit M20 x 1,5 Kabelverschraubung<br>Schutzrohr ø 9 mm; Werkstoff 1.2571; Anschluß G 1/2 A<br>und Kupferdichtung DIN 7603 - A21 x 26 x 1,5<br><br>Schutzrohr 200 mm lang<br>Schutzrohr 400 mm lang  | 691 161<br>691 162                         |                         |
| 4.303 | <b>Widerstands-Temperaturfühler</b> Pt100 DIN 43 729 FormB<br>Bereich 50 - 400 °C, mit Messwertgeber 1x Pt100, geprüft nach DIN EN 14597<br>Einschweißhülse M 24 x 1,5, Länge 200 mm   | 691 123                                    |                         |
| 4.304 | <b>Temperaturfühler (Thermoelement) Form B (Typ L)</b><br><b>Fe-CuNi</b> -200 bis 600 °C mit eingebautem Thermopaar, Schutzrohr aus hitzebeständigem Stahl<br>22 x 2 mm, mit Innenrohr aus Keramik, Nennlänge 500 mm<br>(Ausgleichsleistung erforderlich)  | 691 124                                    |                         |
| 4.305 | <b>Temperaturfühler (Thermoelement) Form A (Typ K)</b><br><b>Ni-Cr-Ni</b> -200 bis 1150 °C mit eingebautem Thermopaar, Schutzrohr aus hitzebeständigem Stahl<br>22 x 2 mm, mit Innenrohr aus Keramik, Nennlänge 500 mm<br>(Ausgleichsleistung erforderlich)  | 691 125                                    |                         |
| 4.306 | <b>Ausgleichsleitungen</b> (ohne Bild) Preis pro Meter<br>Fe-CuNi<br>Ni-Cr-Ni  | 690 127<br>690 128                         |                         |
| 4.307 | <b>Stecksockel KS 40</b> für Normschiene EN 50022  | 690 346                                    |                         |
| 4.308 | <b>Messumformer Uniflex CI 45</b><br>Außenabmessung: 98 x 22,5 mm; Einbautiefe: 117,5 mm<br>zur Hutschiene montage<br>zul. Temperaturbereich: - 10...+ 55 °C<br>Hilfsenergie 90V...260V AC, 48...62 Hz<br><br>Ausgang: 1 Relaisausgang<br>1 Analogausgang 0/4...20mA; 0/2...10V<br><br>Eingang: multifunktionaler Eingang über die Gerätekonfiguration<br>auswählen z. B.:<br>PT 100 -200 - 850 °C<br>Thermoelement Typ L, J, K, N, S, R<br>Spannungseingang (Druckaufnehmer A-10)<br>0/2...10 V<br>Stromeingang 0/4...20 mA | 690 391                                    |                         |
| 4.309 | <b>Trennwandler P15000</b> zur galvanischen Trennung von Normsignalen<br>Abmessungen: 98 x 12,5 mm; Tiefe: 111 mm<br>zur Hutschiene montage<br>zul. Temperaturbereich: - 10...+ 70 °C<br>Hilfsenergie 22...230V AC/DC; ± 10 %, AC 48...62 Hz<br><br>Ausgang: 0/4...20mA; 0...10V<br>Eingang: 0/4...20mA; 0...10V   | 690 569                                    |                         |
| 4.310 | <b>Temperaturbegrenzer, -wächter TB/TW08 (DIN EN 14597)</b><br>Fronteinbau<br>Außenabmessung: 96 x 48 x 72 mm<br>Einbauausschnitt: 92+0,8 x 45+0,6 mm<br>Schutzart IP65 frontseitig<br>Spannungsversorgung: AC 110-240 V, +10/-15 %, 48-63 Hz 5 VA<br>Ausgang: 4..20 mA stetig<br>Eingang: PT 100 - 200 - 850 °C<br>2x PT 100 für Differenzmessung<br>PT 1000 - 200 - 850 °C<br>Thermoelemente / Doppelthermoelemente  | 690 620                                    |                         |
| 4.311 | <b>Sicherheits-Temperaturbegrenzer STB/STW</b> mit Display nach DIN EN 14597<br><br>Einbaumaße 89,4 x 45 mm, Einbautiefe: 104,8 mm<br>zur Hutschiene montage<br>Hilfsspannung: 110...240V AC + 10/- 10 % 48...63 Hz<br><br>Ausgang: 2 St. Relais 250V/3A<br>1 St. Analogausgang 0/4...20mA<br>umstellbar auf 0/2...10V<br><br>Eingang: konfigurierbar<br><br>Hinweis: Einsatz als STB nur in Verbindung mit besonderen Temperatursensoren (z. B. 691 123) nach DIN EN 14597  | 690 450                                    |                         |

| No.   | Designation   | No.   | Dénomination  |
|-------|---|-------|---|
| 4.302 | <p><b>Resistance temperature sensor PT 100</b> PT 100 DIN 60751 Cl. B<br/>Range 50 - 400 °C, with 1x Pt100<br/>PCA measurement resistance, connection head form B<br/>pressure dye cast alu with M20 x 1.5 cable gland<br/>protective sleeve Ø 9mm x G1/2 m connection<br/>and copper seal to DIN 7603-A21 x 26 x 1.5</p> <p>protective sleeve length 200 mm long<br/>protective sleeve length 400 mm long</p>  | 4.302 | <p><b>Sonde de température (résistance variable) Pt 100</b> DIN 60751 borne B<br/>Plage 50 - 400 °C, avec indicateur 1 x PT 100<br/>Elément de mesure PCA, tête de raccordement forme B<br/>Fonte d'aluminium avec presse-étoupe M20 x 1,5<br/>Doigt de gant ø 9 mm; matériau 1.2571; raccord G 1/2 A<br/>et joint plat en cuivre DIN 7603 - A21 x 26 x 1,5</p> <p>doigt de gant longueur 200 mm<br/>doigt de gant longueur 400 mm</p>  |
| 4.303 | <p><b>Resistance temperature sensor PT 100</b> DIN 43729 Form B<br/>Range 50 - 400 °C, with 1 x PT 100, tested to DIN EN 14597<br/>welded sleeve M24 x 1.5 x 200 mm long</p>  | 4.303 | <p><b>Sonde de température (résistance variable) Pt100</b> DIN 43 729 forme B<br/>Plage 50 - 400 °C, avec indicateur 1x Pt100, certifiée selon DIN EN 14597<br/>Doigt de gant à souder M 24 x 1,5, longueur 200 mm</p>  |
| 4.304 | <p><b>Temperature sensor (type L thermocouple)</b><br/><b>FE-CuNi</b> - 200 °C to 600 °C with integral thermopair, protective sleeve<br/>in heat resisting steel 22 x 2 mm with ceramic inner tube nominal length<br/>500 mm (compensating cable required)</p>  | 4.304 | <p><b>Sonde de température (thermo-couple) forme B (type L)</b><br/><b>Fe-CuNi</b> -200 à 600 °C avec thermo-couple incorporé, doigt de gant en<br/>acier émaillé 22 x 2 mm, avec tube intérieur en céramique, longueur<br/>500 mm (câbles de compensation nécessaires)</p>   |
| 4.305 | <p><b>Temperature sensor (type K thermocouple)</b><br/><b>Ni-Cr-Ni</b> - 200 °C to 1150 °C with integral thermopair, protective sleeve<br/>in heat resisting steel 22 x 2 mm with ceramic inner tube nominal length<br/>500 mm (compensating cable required)</p>  | 4.305 | <p><b>Sonde de température (thermo-couple) forme A (type K)</b><br/><b>Ni-Cr-Ni</b> -200 à 1150 °C avec thermo-couple incorporé, doigt de gant en<br/>acier émaillé 22 x 2 mm, avec tube intérieur en céramique, longueur<br/>500 mm (câbles de compensation nécessaires)</p>   |
| 4.306 | <p><b>Compensating cables</b> (without picture) price per meter<br/>Fe-CuNi<br/>Ni-Cr-Ni</p>  | 4.306 | <p><b>Câbles de compensation</b> (sans photo) prix au mètre<br/>Fe-CuNi<br/>Ni-Cr-Ni</p>  |
| 4.307 | <p><b>Plug socket KS40</b> for DIN rail EN 500022</p>   | 4.307 | <p><b>Entretoise KS 40</b> pour rail EN 50022</p>   |
| 4.308 | <p><b>Measurement transducer Uniflex CI 45</b><br/>External dimensions: 98 x 22.5 mm; depth: 117.5 mm<br/>for DIN rail mounting<br/>perm. temperature range: - 10...+ 55 °C<br/>Auxiliary power 90V...260V AC, 48...62 Hz</p> <p>Output: 1 relay output<br/>1 analogue output 0/4...20mA; 0/2...10V</p> <p>Input: multifunctional input via unit configuration<br/>for example:<br/>PT 100 -200 - 850 °C<br/>Thermocouple type L, J, K, N, S, R<br/>Voltage input (pressure transducer A-10)<br/>0/2...10 V<br/>Current input 0/4...20 mA</p> | 4.308 | <p><b>Convertisseur Uniflex CI 45</b><br/>Dimension ext. : 98 x 22,5 mm ; profondeur : 117,5 mm<br/>pour montage sur rail<br/>Plage de temp. admissible : - 10...+ 55 °C<br/>Energie 90V...260V AC, 48...62 Hz</p> <p>Sortie : 1 Sortie relais<br/>1 Sortie analogique 0/4...20mA; 0/2...10V</p> <p>Entrée : Entrée multifonctionnelle à définir selon la configuration<br/>de l'appareil par ex. :<br/>PT 100 -200 - 850 °C<br/>Thermocouple Type L, J, K, N, S, R<br/>Entrée tension (capteur de pression A-10)<br/>0/2...10 V<br/>Entrée courant 0/4...20 mA</p> |
| 4.309 | <p><b>P15000 isolator</b> for electrical isolation of standard signals<br/>Dimensions: 98 x 12.5 mm; depth: 111 mm<br/>for DIN rail mounting<br/>Perm. temperature range: - 10...+ 70 °C<br/>Auxiliary power 22...230V AC/DC; ± 10 %, AC 48...62 Hz</p> <p>Output: 0/4...20mA; 0...10V</p> <p>Input: 0/4...20mA; 0...10V</p>  | 4.309 | <p><b>Séparateur P15000</b> pour séparation galvanique pour signaux<br/>Dimensions : 98 x 12,5 mm ; profondeur: 111 mm<br/>pour montage sur rail<br/>Plage de temp. admissible : - 10...+ 70 °C<br/>Energie 22...230V AC/DC; ± 10 %, AC 48...62 Hz</p> <p>Sortie : 0/4...20mA; 0...10V</p> <p>Entrée : 0/4...20mA; 0...10V</p>  |
| 4.310 | <p><b>TB/TW08 temperature limiter/monitor (EN 14597)</b><br/>Front-mounted<br/>External dimensions: 96 x 48 x 72 mm<br/>Mounting cut-out: 92 + 0.8 x 45 + 0.6 mm<br/>Protection: IP65 (fascia)<br/>Power supply: 110-240 V ac, +10/-15 %, 48-63 Hz, 5 VA<br/>Output: 4-20 mA continuous<br/>Input: PT100, 200-850 °C<br/>2 x PT100 for differential measurement<br/>PT1000, 200-850 °C<br/>Thermocouple / double thermocouple</p>   | 4.310 | <p><b>Thermostat limiteur, - sécurité TB/TW08 (DIN EN 14597)</b><br/>Montage frontal<br/>Dimensions externes : 96 x 48 x 72 mm<br/>Découpe : 92+0,8 x 45+0,6 mm<br/>Indice de protection frontale<br/>Tension d'alimentation : AC 110-240 V, +10/-15 %, 48-63 Hz 5 VA<br/>Sortie : 4..20 mA stétig<br/>Entrée : PT 100 - 200 - 850 °C<br/>2x PT 100 pour mesure différentielle<br/>PT 1000 - 200 - 850 °C<br/>Thermocouple / Double thermocouple</p>  |
| 4.311 | <p><b>Safety temperature limiter STB/STW</b> with display to<br/>DIN EN 14597<br/>Mounting dimensions 89.4 x 45 mm, mounting depth: 104.8 mm<br/>for DIN rail mounting<br/>Auxiliary power: 110...240V AC + 10/- 10 % 48...63 Hz</p> <p>Output: 2 off relay 250V/3A<br/>1 off analogue output 0/4...20mA<br/>can be converted to 0/2...10V</p> <p>Input: can be configured</p> <p>Note: Application as an STB only in connection with special temperature<br/>sensors (e. g. 691 123) to DIN EN 14597</p>                                     | 4.311 | <p><b>Thermostat de sécurité STB/STW</b> avec afficheur selon<br/>DIN EN 14597<br/>Dimension 89,4 x 45 mm, profondeur: 104,8 mm<br/>pour montage sur rail<br/>Tension: 110...240V AC + 10/- 10 % 48...63 Hz</p> <p>Sortie : 2 x relais 250V/3A<br/>1 x sortie analogique 0/4...20mA<br/>transformable en 0/2...10V</p> <p>Entrée : Configurable</p> <p>Remarque : Utilisation en tant que STB uniquement avec des capteurs de<br/>température spécifiques (par ex. 691 123) selon<br/>DIN EN 14597</p>  |



5.101  
5.202

| Nr.            | Bezeichnung   | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.)  |                          |                        |                |           |             |    |                |        |           |    |                |         |           |    |                               |        |           |    |                |        |           |    |   |  |
|----------------|---|--|--------------------------|--------------------------|------------------------|----------------|-----------|-------------|----|----------------|--------|-----------|----|----------------|---------|-----------|----|-------------------------------|--------|-----------|----|----------------|--------|-----------|----|---|--|
| <b>5.</b>      | <b>Dampfdruckwächter</b>  |  |                          |                          |                        |                |           |             |    |                |        |           |    |                |         |           |    |                               |        |           |    |                |        |           |    |   |  |
| <b>5.1</b>     | <b>Dampfdruck NDD bis 0,5 bar</b>   |  |                          |                          |                        |                |           |             |    |                |        |           |    |                |         |           |    |                               |        |           |    |                |        |           |    |   |  |
| 5.101          | <p><b>Dampfdruckwächter</b> mit Umschaltkontakt 8A/250V<br/>           Gehäuseunterteil aus Aluminium-Druckguss<br/>           Schutzart IP54, Anschlussgewinde G 1/2"<br/>           Zulässige Umgebungstemperatur -25 bis +70 °C<br/> <b>TÜV-Baumustergeprüft</b> (Reg.-Nr. 3 C 02805)</p> <table border="1"> <thead> <tr> <th>Typ</th> <th>Einstell-<br/>bereich bar</th> <th>Schalt-<br/>differenz bar</th> <th>Max. zul.<br/>Druck bar</th> </tr> </thead> <tbody> <tr> <td><b>DRW 06</b></td> <td>0,1 - 0,6</td> <td>0,04</td> <td>6</td> </tr> </tbody> </table>   | Typ  | Einstell-<br>bereich bar | Schalt-<br>differenz bar | Max. zul.<br>Druck bar | <b>DRW 06</b>  | 0,1 - 0,6 | 0,04        | 6  | 640 114        |        |           |    |                |         |           |    |                               |        |           |    |                |        |           |    |   |  |
| Typ            | Einstell-<br>bereich bar  | Schalt-<br>differenz bar                   | Max. zul.<br>Druck bar   |                          |                        |                |           |             |    |                |        |           |    |                |         |           |    |                               |        |           |    |                |        |           |    |   |  |
| <b>DRW 06</b>  | 0,1 - 0,6   | 0,04                                       | 6                        |                          |                        |                |           |             |    |                |        |           |    |                |         |           |    |                               |        |           |    |                |        |           |    |   |  |
| <b>5.2</b>     | <b>Dampfdruck HDD über 0,5 bar</b>  |  |                          |                          |                        |                |           |             |    |                |        |           |    |                |         |           |    |                               |        |           |    |                |        |           |    |   |  |
| 5.201          | <p><b>Dampfdruckwächter</b> mit Umschaltkontakt 10A/380V<br/>           Gehäuseunterteil aus Aluminium-Spritzguss<br/>           Abdeckhaube aus transparentem Thermoplast<br/>           Schutzart IP65, Anschlussgewinde G 1/2"<br/>           Zulässige Umgebungstemperatur -20 bis +70 °C<br/>           Druckfühler aus Messing für nichtaggressive Medien<br/> <b>EG-Baumusterprüfbescheinigung</b> flüssige Brennstoffe</p> <table border="1"> <thead> <tr> <th>Typ</th> <th>Einstell-<br/>bereich bar</th> <th>Schalt-<br/>differenz bar</th> <th>Max. zul.<br/>Druck bar</th> </tr> </thead> <tbody> <tr> <td><b>DSB 140</b></td> <td>0 - 2,5</td> <td>0,25 - 0,75</td> <td>12</td> </tr> <tr> <td><b>DSB 143</b></td> <td>0 - 6</td> <td>0,3 - 1,6</td> <td>16</td> </tr> <tr> <td><b>DSB 152</b></td> <td>6 - 16</td> <td>1,0 - 4,0</td> <td>30</td> </tr> <tr> <td><b>DSB 158</b></td> <td>0 - 25</td> <td>1,0 - 7,5</td> <td>60</td> </tr> <tr> <td><b>DSB 170</b></td> <td>5 - 40</td> <td>1,4 - 7,5</td> <td>60</td> </tr> </tbody> </table> | Typ  | Einstell-<br>bereich bar | Schalt-<br>differenz bar | Max. zul.<br>Druck bar | <b>DSB 140</b> | 0 - 2,5   | 0,25 - 0,75 | 12 | <b>DSB 143</b> | 0 - 6  | 0,3 - 1,6 | 16 | <b>DSB 152</b> | 6 - 16  | 1,0 - 4,0 | 30 | <b>DSB 158</b>                | 0 - 25 | 1,0 - 7,5 | 60 | <b>DSB 170</b> | 5 - 40 | 1,4 - 7,5 | 60 | 640 110<br>640 105<br>640 106<br>640 103<br>640 107 |  |
| Typ            | Einstell-<br>bereich bar  | Schalt-<br>differenz bar                   | Max. zul.<br>Druck bar   |                          |                        |                |           |             |    |                |        |           |    |                |         |           |    |                               |        |           |    |                |        |           |    |   |  |
| <b>DSB 140</b> | 0 - 2,5   | 0,25 - 0,75                                | 12                       |                          |                        |                |           |             |    |                |        |           |    |                |         |           |    |                               |        |           |    |                |        |           |    |   |  |
| <b>DSB 143</b> | 0 - 6   | 0,3 - 1,6                                  | 16                       |                          |                        |                |           |             |    |                |        |           |    |                |         |           |    |                               |        |           |    |                |        |           |    |   |  |
| <b>DSB 152</b> | 6 - 16  | 1,0 - 4,0                                  | 30                       |                          |                        |                |           |             |    |                |        |           |    |                |         |           |    |                               |        |           |    |                |        |           |    |   |  |
| <b>DSB 158</b> | 0 - 25  | 1,0 - 7,5                                  | 60                       |                          |                        |                |           |             |    |                |        |           |    |                |         |           |    |                               |        |           |    |                |        |           |    |   |  |
| <b>DSB 170</b> | 5 - 40  | 1,4 - 7,5                                  | 60                       |                          |                        |                |           |             |    |                |        |           |    |                |         |           |    |                               |        |           |    |                |        |           |    |   |  |
| 5.202          | <p><b>Dampfdruckwächter</b> mit elektrischer Verriegelung<br/>           Gehäuseunterteil aus Aluminium-Spritzguss<br/>           Abdeckhaube aus transparentem Thermoplast<br/>           Schutzart IP65, Anschlussgewinde G 1/2"<br/>           Zulässige Umgebungstemperatur -20 bis +70 °C<br/>           Als Sicherheitsdruckbegrenzer in Verbindung mit Ruhestrom-<br/>           Verriegelungsschaltung zugelassen.<br/>           Druckfühler aus Nirostahl für aggressive Medien<br/> <b>EG-Baumusterprüfbescheinigung</b> flüssige Brennstoffe</p> <table border="1"> <thead> <tr> <th>Typ</th> <th>Einstell-<br/>bereich bar</th> <th>Schalt-<br/>differenz bar</th> <th>Max. zul.<br/>Druck bar</th> </tr> </thead> <tbody> <tr> <td><b>DSF 152</b></td> <td>0 - 16</td> <td>1,2 - 3,8</td> <td>60</td> </tr> <tr> <td><b>DSF 158</b></td> <td>0 - 25</td> <td>1,5 - 8,0</td> <td>60</td> </tr> <tr> <td><b>DSF 170</b></td> <td>15 - 40</td> <td>1,7 - 8,2</td> <td>60</td> </tr> </tbody> </table>  | Typ  | Einstell-<br>bereich bar | Schalt-<br>differenz bar | Max. zul.<br>Druck bar | <b>DSF 152</b> | 0 - 16    | 1,2 - 3,8   | 60 | <b>DSF 158</b> | 0 - 25 | 1,5 - 8,0 | 60 | <b>DSF 170</b> | 15 - 40 | 1,7 - 8,2 | 60 | 640 108<br>640 109<br>640 113 |        |           |    |                |        |           |    |   |  |
| Typ            | Einstell-<br>bereich bar  | Schalt-<br>differenz bar                   | Max. zul.<br>Druck bar   |                          |                        |                |           |             |    |                |        |           |    |                |         |           |    |                               |        |           |    |                |        |           |    |   |  |
| <b>DSF 152</b> | 0 - 16  | 1,2 - 3,8                                  | 60                       |                          |                        |                |           |             |    |                |        |           |    |                |         |           |    |                               |        |           |    |                |        |           |    |   |  |
| <b>DSF 158</b> | 0 - 25  | 1,5 - 8,0                                  | 60                       |                          |                        |                |           |             |    |                |        |           |    |                |         |           |    |                               |        |           |    |                |        |           |    |   |  |
| <b>DSF 170</b> | 15 - 40   | 1,7 - 8,2                                  | 60                       |                          |                        |                |           |             |    |                |        |           |    |                |         |           |    |                               |        |           |    |                |        |           |    |   |  |
| 5.203          | <p><b>Spannmuffe</b> G 1/2" x 1/2" mit gegenlaufenden Gewinden, DIN 16 283,<br/> <b>für Anlagen gemäß Anforderungen PED</b></p>   | 640 083                                    |                          |                          |                        |                |           |             |    |                |        |           |    |                |         |           |    |                               |        |           |    |                |        |           |    |   |  |
| <b>5.3</b>     | <b>Heißwasser über 110 °C, Minimal-Druck</b>  |  |                          |                          |                        |                |           |             |    |                |        |           |    |                |         |           |    |                               |        |           |    |                |        |           |    |   |  |
|                | <p><b>Minimal-Druckbegrenzer</b> mit eingebauter mechanischer Verriegelung<br/>           Gehäuseunterteil aus Aluminium-Spritzguss<br/>           Abdeckhaube aus transparentem Thermoplast<br/>           Schutzart IP65, Anschlussgewinde G 1/2"<br/>           Zulässige Umgebungstemperatur -20 bis +70 °C<br/>           Druckfühler aus Nirostahl für aggressive Medien<br/> <b>EG-Baumusterprüfbescheinigung</b> flüssige Brennstoffe</p> <table border="1"> <thead> <tr> <th>Typ</th> <th>Einstell-<br/>bereich bar</th> <th>Schalt-<br/>differenz bar</th> <th>Max. zul.<br/>Druck bar</th> </tr> </thead> <tbody> <tr> <td><b>DSL 152</b></td> <td>6 - 16</td> <td>1,2</td> <td>30</td> </tr> </tbody> </table>  | Typ  | Einstell-<br>bereich bar | Schalt-<br>differenz bar | Max. zul.<br>Druck bar | <b>DSL 152</b> | 6 - 16    | 1,2         | 30 | 640 112        |        |           |    |                |         |           |    |                               |        |           |    |                |        |           |    |   |  |
| Typ            | Einstell-<br>bereich bar  | Schalt-<br>differenz bar                   | Max. zul.<br>Druck bar   |                          |                        |                |           |             |    |                |        |           |    |                |         |           |    |                               |        |           |    |                |        |           |    |   |  |
| <b>DSL 152</b> | 6 - 16  | 1,2  | 30                       |                          |                        |                |           |             |    |                |        |           |    |                |         |           |    |                               |        |           |    |                |        |           |    |   |  |

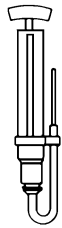


| No.            | Designation  |                          |                              |                          |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
|----------------|--|--------------------------|------------------------------|--------------------------|------------------------------|----------------|-----------|-------------|----|----------------|--------|-----------|----|----------------|---------|-----------|----|----------------|--------|-----------|----|----------------|--------|-----------|----|
| <b>5.</b>      | <b>System pressure switches</b>  |                          |                              |                          |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>5.1</b>     | <b>Steam pressure, low pressure steam up to 0.5 bar</b>  |                          |                              |                          |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| 5.101          | <p><b>Steam pressure switch</b> with change-over contact 8A/250V<br/>Casing base of die cast aluminium<br/>Type of protection IP54, connection thread G 1/2"<br/>Temperature range -25 °C to +70 °C<br/><b>TUV-type-approved</b> (Reg.-No 3 C 02805)</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Adjustment range bar</th> <th>Switching difference bar</th> <th>Max.-admissible pressure bar</th> </tr> </thead> <tbody> <tr> <td><b>DRW 06</b></td> <td>0,1 - 0,6</td> <td>0,04</td> <td>6</td> </tr> </tbody> </table>  | Type                     | Adjustment range bar         | Switching difference bar | Max.-admissible pressure bar | <b>DRW 06</b>  | 0,1 - 0,6 | 0,04        | 6  |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| Type           | Adjustment range bar   | Switching difference bar | Max.-admissible pressure bar |                          |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>DRW 06</b>  | 0,1 - 0,6  | 0,04                     | 6                            |                          |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>5.2</b>     | <b>Steam pressure, high pressure steam above 0.5 bar</b>   |                          |                              |                          |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| 5.201          | <p><b>Steam pressure switch</b> with change-over contact 10A/250V<br/>Casing base of die cast aluminium<br/>Cover of transparent Thermoplastic<br/>Type of protection IP65, connection thread G 1/2"<br/>Temperature range -20 °C to +70 °C<br/>Brass pressure sensor for non-aggressive media<br/><b>EC type approval certificate</b> liquid fuels</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Adjustment range bar</th> <th>Switching difference bar</th> <th>Max. admissible pressure bar</th> </tr> </thead> <tbody> <tr> <td><b>DSB 140</b></td> <td>0 - 2,5</td> <td>0,25 - 0,75</td> <td>12</td> </tr> <tr> <td><b>DSB 143</b></td> <td>0 - 6</td> <td>0,3 - 1,6</td> <td>16</td> </tr> <tr> <td><b>DSB 152</b></td> <td>6 - 16</td> <td>1,0 - 4,0</td> <td>30</td> </tr> <tr> <td><b>DSB 158</b></td> <td>0 - 25</td> <td>1,0 - 7,5</td> <td>60</td> </tr> <tr> <td><b>DSB 170</b></td> <td>5 - 40</td> <td>1,4 - 7,5</td> <td>60</td> </tr> </tbody> </table> | Type                     | Adjustment range bar         | Switching difference bar | Max. admissible pressure bar | <b>DSB 140</b> | 0 - 2,5   | 0,25 - 0,75 | 12 | <b>DSB 143</b> | 0 - 6  | 0,3 - 1,6 | 16 | <b>DSB 152</b> | 6 - 16  | 1,0 - 4,0 | 30 | <b>DSB 158</b> | 0 - 25 | 1,0 - 7,5 | 60 | <b>DSB 170</b> | 5 - 40 | 1,4 - 7,5 | 60 |
| Type           | Adjustment range bar   | Switching difference bar | Max. admissible pressure bar |                          |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>DSB 140</b> | 0 - 2,5  | 0,25 - 0,75              | 12                           |                          |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>DSB 143</b> | 0 - 6  | 0,3 - 1,6                | 16                           |                          |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>DSB 152</b> | 6 - 16   | 1,0 - 4,0                | 30                           |                          |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>DSB 158</b> | 0 - 25   | 1,0 - 7,5                | 60                           |                          |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>DSB 170</b> | 5 - 40   | 1,4 - 7,5                | 60                           |                          |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| 5.202          | <p><b>Steam pressure switch</b> with electrical interlocking<br/>Casing base of die cast aluminium<br/>Cover of transparent Thermoplastic<br/>Type of protection IP65, connection thread G 1/2"<br/>Temperature range -20 °C to +70 °C<br/>A closed circuit current interlocking switching system is required<br/>Niro steel pressure sensor for aggressive media<br/><b>EC type approval certificate</b> liquid fuels</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Adjustment range bar</th> <th>Switching difference bar</th> <th>Max. admissible pressure bar</th> </tr> </thead> <tbody> <tr> <td><b>DSF 152</b></td> <td>0 - 16</td> <td>1,2 - 3,8</td> <td>60</td> </tr> <tr> <td><b>DSF 158</b></td> <td>0 - 25</td> <td>1,5 - 8,0</td> <td>60</td> </tr> <tr> <td><b>DSF 170</b></td> <td>15 - 40</td> <td>1,7 - 8,2</td> <td>60</td> </tr> </tbody> </table>   | Type                     | Adjustment range bar         | Switching difference bar | Max. admissible pressure bar | <b>DSF 152</b> | 0 - 16    | 1,2 - 3,8   | 60 | <b>DSF 158</b> | 0 - 25 | 1,5 - 8,0 | 60 | <b>DSF 170</b> | 15 - 40 | 1,7 - 8,2 | 60 |                |        |           |    |                |        |           |    |
| Type           | Adjustment range bar   | Switching difference bar | Max. admissible pressure bar |                          |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>DSF 152</b> | 0 - 16   | 1,2 - 3,8                | 60                           |                          |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>DSF 158</b> | 0 - 25   | 1,5 - 8,0                | 60                           |                          |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>DSF 170</b> | 15 - 40  | 1,7 - 8,2                | 60                           |                          |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| 5.203          | <b>Sleeve G 1/2" x G 1/2" with lh/rh thread</b><br><b>DIN 16 283, for installations to in accordance with PED</b>  |                          |                              |                          |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>5.3</b>     | <b>Hot water above 110 °C, minimum pressure</b>  |                          |                              |                          |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
|                | <p><b>Minimum pressure limiter</b> with integral mechanical interlock<br/>Casing base of die cast aluminium<br/>Cover of transparent Thermoplastic<br/>Type of protection IP65, connection thread G 1/2"<br/>Temperature range -20 °C to +70 °C<br/>Niro steel pressure sensor for aggressive media<br/><b>EC type approval certificate</b> liquid fuels,</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Adjustment range bar</th> <th>Switching difference bar</th> <th>Max. admissible pressure bar</th> </tr> </thead> <tbody> <tr> <td><b>DSL 152</b></td> <td>6 - 16</td> <td>1,2</td> <td>30</td> </tr> </tbody> </table>   | Type                     | Adjustment range bar         | Switching difference bar | Max. admissible pressure bar | <b>DSL 152</b> | 6 - 16    | 1,2         | 30 |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| Type           | Adjustment range bar   | Switching difference bar | Max. admissible pressure bar |                          |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>DSL 152</b> | 6 - 16   | 1,2                      | 30                           |                          |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| 5.301          |  |                          |                              |                          |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |

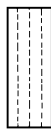
| No.            | Dénomination  |                                 |                              |                                 |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
|----------------|---|---------------------------------|------------------------------|---------------------------------|------------------------------|----------------|-----------|-------------|----|----------------|--------|-----------|----|----------------|---------|-----------|----|----------------|--------|-----------|----|----------------|--------|-----------|----|
| <b>5</b>       | <b>Surveillance de pression chaudière</b>   |                                 |                              |                                 |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>5.1</b>     | <b>Vapeur basse pression jusqu'à 0,5 bar</b>  |                                 |                              |                                 |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| 5.101          | <p><b>Pressostat</b> avec contact inverseur 8A/250V<br/>Carcasse inférieure en fonte d'aluminium<br/>Indice de protection IP54, raccord G 1/2"<br/>Température ambiante admissible -25 jusqu'à +70 °C<br/><b>Certifié TÜV</b> (N° certificat. 3 C 02805)</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Plage de réglage bar</th> <th>Différentiel de commutation bar</th> <th>Pression max. admissible bar</th> </tr> </thead> <tbody> <tr> <td><b>DRW 06</b></td> <td>0,1 - 0,6</td> <td>0,04</td> <td>6</td> </tr> </tbody> </table>  | Type                            | Plage de réglage bar         | Différentiel de commutation bar | Pression max. admissible bar | <b>DRW 06</b>  | 0,1 - 0,6 | 0,04        | 6  |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| Type           | Plage de réglage bar  | Différentiel de commutation bar | Pression max. admissible bar |                                 |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>DRW 06</b>  | 0,1 - 0,6   | 0,04                            | 6                            |                                 |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>5.2</b>     | <b>Vapeur haute pression supérieure à 0,5 bar</b>   |                                 |                              |                                 |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| 5.201          | <p><b>Pressostat</b> avec contact inverseur 10A/380V<br/>Partie inférieure du boîtier en fonte d'aluminium<br/>Capot en matière plastique transparente<br/>Indice de protection IP65, raccord G 1/2"<br/>Température ambiante admissible -20 jusqu'à +70 °C<br/>Sonde en laiton pour fluides non agressifs<br/><b>Certification CE</b> comb. liquides</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Plage de réglage bar</th> <th>Différentiel de commutation bar</th> <th>Pression max. admissible bar</th> </tr> </thead> <tbody> <tr> <td><b>DSB 140</b></td> <td>0 - 2,5</td> <td>0,25 - 0,75</td> <td>12</td> </tr> <tr> <td><b>DSB 143</b></td> <td>0 - 6</td> <td>0,3 - 1,6</td> <td>16</td> </tr> <tr> <td><b>DSB 152</b></td> <td>6 - 16</td> <td>1,0 - 4,0</td> <td>30</td> </tr> <tr> <td><b>DSB 158</b></td> <td>0 - 25</td> <td>1,0 - 7,5</td> <td>60</td> </tr> <tr> <td><b>DSB 170</b></td> <td>5 - 40</td> <td>1,4 - 7,5</td> <td>60</td> </tr> </tbody> </table> | Type                            | Plage de réglage bar         | Différentiel de commutation bar | Pression max. admissible bar | <b>DSB 140</b> | 0 - 2,5   | 0,25 - 0,75 | 12 | <b>DSB 143</b> | 0 - 6  | 0,3 - 1,6 | 16 | <b>DSB 152</b> | 6 - 16  | 1,0 - 4,0 | 30 | <b>DSB 158</b> | 0 - 25 | 1,0 - 7,5 | 60 | <b>DSB 170</b> | 5 - 40 | 1,4 - 7,5 | 60 |
| Type           | Plage de réglage bar  | Différentiel de commutation bar | Pression max. admissible bar |                                 |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>DSB 140</b> | 0 - 2,5   | 0,25 - 0,75                     | 12                           |                                 |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>DSB 143</b> | 0 - 6   | 0,3 - 1,6                       | 16                           |                                 |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>DSB 152</b> | 6 - 16  | 1,0 - 4,0                       | 30                           |                                 |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>DSB 158</b> | 0 - 25  | 1,0 - 7,5                       | 60                           |                                 |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>DSB 170</b> | 5 - 40  | 1,4 - 7,5                       | 60                           |                                 |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| 5.202          | <p><b>Pressostat vapeur</b> avec verrouillage électrique<br/>Partie inférieure du boîtier en fonte d'aluminium<br/>Capot en matière plastique transparente<br/>Indice de protection IP65, raccord G 1/2"<br/>Température ambiante admissible -20 jusqu'à +70 °C<br/>En tant que limiteur de pression et certifié en liaison avec verrouillage par Sonde en acier inoxydable pour fluides agressifs manque de tension.<br/><b>Certification CE</b> combustibles liquides</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Plage de réglage bar</th> <th>Différentiel de commutation bar</th> <th>Pression max. admissible bar</th> </tr> </thead> <tbody> <tr> <td><b>DSF 152</b></td> <td>0 - 16</td> <td>1,2 - 3,8</td> <td>60</td> </tr> <tr> <td><b>DSF 158</b></td> <td>0 - 25</td> <td>1,5 - 8,0</td> <td>60</td> </tr> <tr> <td><b>DSF 170</b></td> <td>15 - 40</td> <td>1,7 - 8,2</td> <td>60</td> </tr> </tbody> </table>  | Type                            | Plage de réglage bar         | Différentiel de commutation bar | Pression max. admissible bar | <b>DSF 152</b> | 0 - 16    | 1,2 - 3,8   | 60 | <b>DSF 158</b> | 0 - 25 | 1,5 - 8,0 | 60 | <b>DSF 170</b> | 15 - 40 | 1,7 - 8,2 | 60 |                |        |           |    |                |        |           |    |
| Type           | Plage de réglage bar  | Différentiel de commutation bar | Pression max. admissible bar |                                 |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>DSF 152</b> | 0 - 16  | 1,2 - 3,8                       | 60                           |                                 |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>DSF 158</b> | 0 - 25  | 1,5 - 8,0                       | 60                           |                                 |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>DSF 170</b> | 15 - 40   | 1,7 - 8,2                       | 60                           |                                 |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| 5.203          | <b>Entretoise G 1/2" x 1/2" avec raccords, DIN 16 283, pour installations selon exigences PED</b>   |                                 |                              |                                 |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>5.3</b>     | <b>Eau surch. supérieure à 110 °C, pression min.</b>  |                                 |                              |                                 |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
|                | <p><b>Pressostat mini</b> avec verrouillage mécanique incorporé<br/>Partie inférieure du boîtier en fonte d'aluminium<br/>Capot en matière plastique transparente<br/>Indice de protection IP65, raccords G 1/2"<br/>Température ambiante admissible -20 jusqu'à +70 °C<br/>Sonde en acier inoxydable pour fluides agressifs<br/><b>Certification CE</b> combustibles liquides</p> <table border="1"> <thead> <tr> <th>Type</th> <th>Plage de réglage bar</th> <th>Différentiel de commutation bar</th> <th>Pression max. admissible bar</th> </tr> </thead> <tbody> <tr> <td><b>DSL 152</b></td> <td>6 - 16</td> <td>1,2</td> <td>30</td> </tr> </tbody> </table>  | Type                            | Plage de réglage bar         | Différentiel de commutation bar | Pression max. admissible bar | <b>DSL 152</b> | 6 - 16    | 1,2         | 30 |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| Type           | Plage de réglage bar  | Différentiel de commutation bar | Pression max. admissible bar |                                 |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| <b>DSL 152</b> | 6 - 16  | 1,2                             | 30                           |                                 |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |
| 5.301          |   |                                 |                              |                                 |                              |                |           |             |    |                |        |           |    |                |         |           |    |                |        |           |    |                |        |           |    |



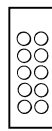
6.201



6.301



6.302



6.303



6.304



6.305



6.306

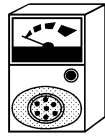


6.309

| Nr.       | Bezeichnung  | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |
|-----------|--|--|-------------------------|
| <b>6.</b> | <b>Mess- und Prüfgeräte</b>  |  |                         |
| 6.101     | <b>Druckmessgerät</b> ecom-DP und LSG Gasdetektor bestehend aus:<br>DP Gerät 1 x Sensor HQ +/- 1,5 bar 1 Blaseblag, 1 x Kreuzstück mit Adapter<br>und Dichtscheibe / 1 x Hahn+Tülle, 2 x Stopfen, 3 x Schlauch, 1 x Stereo-Ohrhörer<br>mit Lautstärkeregelung, Lieferung im Kunststoffkoffer mit spezieller Schaumstoffeinlage | 908 018 63                                 |                         |
| 6.102     | <b>Nachrüstset</b> komplett für ecom LSG bestehend aus:<br>- Gasdetektor ecom LSG in Sonderausführung mit Ohrhörer und<br>Schaumstoffeinsatz zur Selbstmontage<br>(bei vorhandenem Messgerät 669 443)  | 669 493                                    |                         |
| 6.103     | <b>Gasdetektor</b> ecom LSG<br>Leckspürgerät für brennbare Gase<br>Anzeigebereich bis 0,5 Vol.% CH4<br>Ansprechzeit < 2 Sek.   | 908 018 68                                 |                         |
| 6.201     | <b>Druckmessgerät</b> ecom-DP<br>Digit. Druck-und Differenzdruckmesser +/- 1 bar<br>1 x Sensor HQ +/- 1,5 bar, mit Zubehör für Dichtheitsprüfung   | 908 018 65                                 |                         |
| 6.202     | <b>Druckmessgerät</b> DP solo, 1x Sensor HQ +/- 1,5 bar<br>ohne Zubehör für Dichtheitsprüfung  | 908 018 64                                 |                         |
| 6.203     | <b>Entlüftungsschlauch</b> kpl. G1/4 x 16m lang für Gasarmaturen<br>(Phönix Unitrex 60 DN8 (R < 10 Megaohm/m))<br>bestehend aus: Schnellverschluß G1/4, Schlauch 15m,<br>Kugelhahn G3/8 und Schlauch 1m  | 491 272                                    |                         |
| 6.204     | <b>Schlauchset</b> für Messgerät ecom-DP V2<br>2 x diffusionsbeständige Schläuche, blau, 6 x 4, 1,6m lang<br>1 x diffusionsbeständigen Schlauch, grau, 6 x 4, 1,2m lang<br>Steckschlauch, farblos, 6,3 x 3,1, 4cm<br>2 x Schläuche, farblos, 6,3 x 3,1, 8cm  | 669 444                                    |                         |
| 6.205     | <b>Kreuzstück</b> für Messgerät ecom-DP V2<br>verschraubt Swagelok mit Hahn + Tülle,<br>sowie Adapter SW, Dichtscheibe SW und Stopfen  | 669 445                                    |                         |
| 6.206     | <b>Koffer</b> für Messgerät ecom-DP V2 mit Einlage   | 669 446                                    |                         |
| 6.207     | <b>Blasebalg</b> für Messgerät ecom-DP V2 für Druckaufbau  | 669 416                                    |                         |
| 6.301     | <b>Rußmessgerät ET-AP205</b><br>zur Rußgehalt-Bestimmung in Abgasen,<br>bestehend aus Absauggerät, Filterpapier und Rußbildskala   | 669 310                                    |                         |
| 6.302     | <b>Filterpapierstreifen</b> 18 x 90 mm   | 669 359                                    |                         |
| 6.303     | <b>Rußbildskala ETS mit Hülle</b>  | 669 313                                    |                         |
| 6.304     | <b>Zugmesser</b> - 12 bis 1,2 mbar<br>Schrägrohr-Ausführung mit Haltemagnet  | 669 039                                    |                         |
| 6.305     | <b>Messflüssigkeit</b> für Zugmesser, 100 cm <sup>3</sup>  | 669 040                                    |                         |
| 6.306     | <b>Manometer</b> Anschluss unten<br>mit Rohrfeder in Standardausführung für flüssige und gasförmige Medien,<br>Umgebungstemperatur max. 60 °C, Messstofftemperatur max. 170 °C   |  |                         |
|           | Messbereich  | Anschluss G                                | Gehäuse Ø mm            |
|           | 0 bis 6  | 1/4"                                       | 63                      |
|           | 0 bis 25   | 1/4"                                       | 63                      |
|           | 0 bis 25   | 1/4"                                       | 63 (Anschluss hinten)   |
|           | 0 bis 40   | 1/4"                                       | 63                      |
|           | 0 bis 40   | 1/4"                                       | 63 (Anschluss hinten)   |
|           | 0 bis 6*)  | 1/4"                                       | 63                      |
|           | 0 bis 25*)   | 1/4"                                       | 63                      |
|           | 0 bis 40*)   | 1/4"                                       | 63                      |
|           | * mit Glycerineinfüllung und Gehäuse aus Edelstahl   |  |                         |
|           | Mehrpreis für temperaturbeständige Ausführung bis 200 °C (keine Kunststoffteile)   |  |                         |
| 6.307     | <b>Vakuummanometer</b> Anschluss unten (mit Glycerinfüllung), Gehäuse aus Edelstahl  |  |                         |
|           | - 1 bis + 5  | 1/4"                                       | 63                      |
|           | - 1 bis + 9  | 1/4"                                       | 63                      |
| 6.308     | <b>Manometeranschluss</b> R1/8, für alle WL-Brenner  | 140 013 85 052                             |                         |
| 6.309     | <b>Manometerverlängerung</b>   | G1/4 x G1/8 x 110 mm                       | 111 351 85 367          |
| 6.310     | <b>Reduziernippel</b> für Vakuummeter  | G1/4 x NPT 1/4"                            | 111 351 85 247          |
| 6.311     | <b>Dichtring</b>   | Ø 9,2 x 5,4 x 3,2                          | 440 001                 |

| No.             | Designation  |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
|-----------------|--|-------------------------|--------------|--------------|--------|------|----|---------|------|----|---------|------|-------------------------|---------|------|----|---------|------|-------------------------|----------|------|----|-----------|------|----|-----------|------|----|
| <b>6.</b>       | <b>Measuring and testing devices</b>   |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 6.101           | <b>Pressure measuring device</b> ecom-DP and LSG gas detector consisting of: DP device 1 x sensor HQ +/- 1.5 bar, 1 bellows, 1 x cross piece with adapter and gasket / 1 x cock + bush, 2 x plug, 3 x hose, 1 x Stereo earphones with volume control, supplied in plastic case with special foam insert  |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 6.102           | <b>Retrofit kit</b> complete for ecom LSG consisting of:<br>- gas detector ecom LSG in special execution with earphones and foam insert for self-assembly<br>(for existing measuring instrument 669 443)   |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 6.103           | <b>Gas detector</b> ecom LSG<br>Leak detector for combustible gases<br>Display range up to 0.5 Vol.% CH <sub>4</sub> , Response time < 2 secs.   |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 6.201           | <b>Pressure measuring device</b> ecom-DP<br>Digit. pressure and differential pressure gauge +/- 1 bar<br>1 x sensor HQ +/- 1.5 bar, with accessories for soundness test  |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 6.202           | <b>Pressure measuring device</b> DP solo, 1 x sensor HQ +/- 1.5 bar without accessories for soundness test   |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 6.203           | <b>Vent hose</b> cpl. G1/4 x 16m long for gas valve trains (Phoenix Unitrex 60 DN8 (R < 10 Megaohm/m)) consisting of: quick release fastener G1/4, hose 15m, ball valve G3/8 and hose 1m   |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 6.204           | <b>Hose set</b> for measuring device ecom-DP V2<br>2 x diffusion resistant hoses, blue 6 x 4, 1.6m long<br>1 x diffusion resistant hose, grey 6 x 4, 1.2m long<br>push-on hose, transparent, 6.3 x 3.1, 4cm<br>2 x hoses, transparent, 6.3 x 3.1, 8cm  |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 6.205           | <b>Cross piece</b> for measuring device ecom-DP V2<br>screwed Swagelok with cock + socket,<br>as well as adapter SW, sealing washer SW and plug  |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 6.206           | <b>Case</b> for measuring device ecom-DP V2 with insert  |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 6.207           | <b>Bellows</b> for measuring device ecom-DP V2 for pressure build-up   |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 6.301           | <b>Soot measuring device</b> ET-AP205<br>to determine soot content in flue gas,<br>consisting of suction device, filter paper and smoke number scale   |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 6.302           | <b>Filter paper strips</b> 18 x 90 mm  |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 6.303           | <b>Smoke number scale</b> ETS with sleeve  |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 6.304           | <b>Draught gauge</b> - 12 to 1.2 mbar<br>Inclined pipe version with holding magnet   |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 6.305           | <b>Measuring liquid</b> for draught gauge, 100 cm <sup>3</sup>   |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 6.306           | <b>Pressure gauge</b> connection at bottom with tubular springing standard version for liquid and gaseous media, ambient temperature max. 60 °C, measuring liquid temperature max. 170 °C  |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
|                 | <table border="1"> <thead> <tr> <th>measuring range</th> <th>connection G</th> <th>housing Ø mm</th> </tr> </thead> <tbody> <tr> <td>0 to 6</td> <td>1/4"</td> <td>63</td> </tr> <tr> <td>0 to 25</td> <td>1/4"</td> <td>63</td> </tr> <tr> <td>0 to 25</td> <td>1/4"</td> <td>63 (connection at rear)</td> </tr> <tr> <td>0 to 40</td> <td>1/4"</td> <td>63</td> </tr> <tr> <td>0 to 40</td> <td>1/4"</td> <td>63 (connection at rear)</td> </tr> <tr> <td>0 to 6*)</td> <td>1/4"</td> <td>63</td> </tr> <tr> <td>0 to 25*)</td> <td>1/4"</td> <td>63</td> </tr> <tr> <td>0 to 40*)</td> <td>1/4"</td> <td>63</td> </tr> </tbody> </table> <p>* with Glycerine filling and stainless steel housing<br/>additional price for temperature resistant version up to 200 °C (no plastic parts)</p> | measuring range         | connection G | housing Ø mm | 0 to 6 | 1/4" | 63 | 0 to 25 | 1/4" | 63 | 0 to 25 | 1/4" | 63 (connection at rear) | 0 to 40 | 1/4" | 63 | 0 to 40 | 1/4" | 63 (connection at rear) | 0 to 6*) | 1/4" | 63 | 0 to 25*) | 1/4" | 63 | 0 to 40*) | 1/4" | 63 |
| measuring range | connection G   | housing Ø mm            |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 0 to 6          | 1/4"   | 63                      |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 0 to 25         | 1/4"   | 63                      |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 0 to 25         | 1/4"   | 63 (connection at rear) |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 0 to 40         | 1/4"   | 63                      |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 0 to 40         | 1/4"   | 63 (connection at rear) |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 0 to 6*)        | 1/4"   | 63                      |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 0 to 25*)       | 1/4"   | 63                      |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 0 to 40*)       | 1/4"   | 63                      |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 6.307           | <b>Vacuum gauge</b> connection at bottom (with Glycerine filling), stainless steel housing<br>- 1 to + 5      1/4"      63<br>- 1 to + 9      1/4"      63   |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 6.308           | <b>Gauge connection</b> R1/8, for all WL burners   |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 6.309           | <b>Gauge extension</b> G1/4 x G1/8 x 110 mm  |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 6.310           | <b>Reducing nipple</b> for vacuum gauge G1/4 x NPT 1/4"  |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |
| 6.311           | <b>Sealing ring</b> Ø 9.2 x 5.4 x 3.2  |                         |              |              |        |      |    |         |      |    |         |      |                         |         |      |    |         |      |                         |          |      |    |           |      |    |           |      |    |

| No.             | Dénomination  |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
|-----------------|---|---------------------------|-----------|------------|-------------|------|----|--------------|------|----|--------------|------|---------------------------|--------------|------|----|--------------|------|---------------------------|---------------|------|----|----------------|------|----|----------------|------|----|
| <b>6.</b>       | <b>Appareils de mesure et de contrôle</b>   |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 6.101           | <b>Appareil de mesure</b> ecom-DP et détecteur de gaz LSG composé de : appareil DP 1 x sonde HQ +/- 1,5 bar avec 1 soufflet, 1 x croisillon avec adaptateur et rondelle / 1 x robinet + protection, 2 x bouchons, 3 x flexibles, 1 x écouteurs stéréo avec réglage du son, livré dans coffret de rangement avec protection en mousse  |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 6.102           | <b>Ensemble post-équipement</b> complet pour ecom LSG comprenant :<br>- détecteur gaz ecom LSG en exécution spéciale avec écouteurs et protection en mousse<br>(avec appareil de mesure 669 443)  |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 6.103           | <b>Détecteur de gaz</b> ecom LSG<br>Détecteur de fuite pour gaz<br>Plage d'affichage jusqu'à 0,5 Vol.% CH <sub>4</sub> , Temps de réaction < 2 sec.   |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 6.201           | <b>Manomètre digital</b> ecom-DP<br>mesure de pression différentielle +/- bar<br>1 x sonde HQ +/- 1,5 bar, avec accessoires pour contrôle d'étanchéité  |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 6.202           | <b>Mallette de mesure</b> DP,<br>1 x sonde HQ +/- 1,5 bar sans accessoire pour contrôle d'étanchéité  |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 6.203           | <b>Flexible mise à l'atmosphère</b> cpl. G1/4 x 16m long. pour rampe gaz (Phoenix Unitrex 60 DN8 (R < 10 Megaohm/m)) composé de : fermeture rapide G1/4, flexible 15m, robinet G3/8 avec flexible 1m  |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 6.204           | <b>Ensemble tuyaux</b> pour mallette de mesure ecom-DP V2<br>2 x tuyau souple, bleu, 6 x 4, long. 1,6m<br>1 x tuyau souple, gris, 6 x 4, long. 1,2m<br>Tuyau pour raccord souple, transparent, 6,3 x 3,1, 4cm<br>2 x flexibles, transparent, 6,3 x 3,1, 8cm   |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 6.205           | <b>Connecteur 4 voies</b> pour mallette de mesure ecom-DP V2<br>raccord avec robinet+ protection,<br>et adaptateur SW, étanchéité SW et bouchon   |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 6.206           | <b>Coffre</b> pour mallette de mesure ecom-DP V2 avec manomètre digital   |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 6.207           | <b>Poire de gonflage</b> pour mallette ecom-DP V2 pour manomètre digital  |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 6.301           | <b>Appareil de mesure Bacharach</b> ET-AP205<br>pour déterminer la teneur en suie des fumées,<br>comprenant aspiration, papier filtre et échelle comparative  |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 6.302           | <b>Papier filtre de recharge</b> 18 x 90 mm   |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 6.303           | <b>Echelle comparative des fumées (recharge)</b>  |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 6.304           | <b>Déprimomètre</b> - 12 à 1,2 mbar<br>Tube incliné avec aimant de maintien   |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 6.205           | <b>Liquide de mesure</b> pour déprimomètre, 100 cm <sup>3</sup>   |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 6.306           | <b>Manomètre</b> raccordement par le bas<br>avec ressort en exécution standard pour fluides liquides et gazeux,<br>Température ambiante max. 60 °C, température de mesure max. 170 °C   |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
|                 | <table border="1"> <thead> <tr> <th>Plage de mesure</th> <th>Raccord G</th> <th>Corps Ø mm</th> </tr> </thead> <tbody> <tr> <td>0 jusqu'à 6</td> <td>1/4"</td> <td>63</td> </tr> <tr> <td>0 jusqu'à 25</td> <td>1/4"</td> <td>63</td> </tr> <tr> <td>0 jusqu'à 25</td> <td>1/4"</td> <td>63 (raccordement arrière)</td> </tr> <tr> <td>0 jusqu'à 40</td> <td>1/4"</td> <td>63</td> </tr> <tr> <td>0 jusqu'à 40</td> <td>1/4"</td> <td>63 (raccordement arrière)</td> </tr> <tr> <td>0 jusqu'à 6*)</td> <td>1/4"</td> <td>63</td> </tr> <tr> <td>0 jusqu'à 25*)</td> <td>1/4"</td> <td>63</td> </tr> <tr> <td>0 jusqu'à 40*)</td> <td>1/4"</td> <td>63</td> </tr> </tbody> </table> <p>* rempli de glycérine et corps en acier Plus-value pour exécution contenance thermique jusqu'à 200 °C (aucun élément plastique)</p> | Plage de mesure           | Raccord G | Corps Ø mm | 0 jusqu'à 6 | 1/4" | 63 | 0 jusqu'à 25 | 1/4" | 63 | 0 jusqu'à 25 | 1/4" | 63 (raccordement arrière) | 0 jusqu'à 40 | 1/4" | 63 | 0 jusqu'à 40 | 1/4" | 63 (raccordement arrière) | 0 jusqu'à 6*) | 1/4" | 63 | 0 jusqu'à 25*) | 1/4" | 63 | 0 jusqu'à 40*) | 1/4" | 63 |
| Plage de mesure | Raccord G   | Corps Ø mm                |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 0 jusqu'à 6     | 1/4"  | 63                        |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 0 jusqu'à 25    | 1/4"  | 63                        |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 0 jusqu'à 25    | 1/4"  | 63 (raccordement arrière) |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 0 jusqu'à 40    | 1/4"  | 63                        |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 0 jusqu'à 40    | 1/4"  | 63 (raccordement arrière) |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 0 jusqu'à 6*)   | 1/4"  | 63                        |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 0 jusqu'à 25*)  | 1/4"  | 63                        |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 0 jusqu'à 40*)  | 1/4"  | 63                        |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 6.307           | <b>Vacuo/manomètre</b> raccordement par le bas (rempli de glycérine), corps en acier Plus-value pour exécution contenance<br>- 1 jusqu'à + 5      1/4"      63<br>- 1 jusqu'à + 9      1/4"      63   |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 6.308           | <b>Raccord manomètre</b> R1/8, pour tous les brûleurs WL  |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 6.309           | <b>Rallonge manomètre</b> G1/4 x G1/8 x 110 mm  |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 6.310           | <b>Raccord de réduction</b> pour vacuomètre G1/4 x NPT 1/4"   |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |
| 6.311           | <b>Joint</b> Ø 9,2 x 5,4 x 3,2  |                           |           |            |             |      |    |              |      |    |              |      |                           |              |      |    |              |      |                           |               |      |    |                |      |    |                |      |    |



6.314

6.315

6.316

6.318

7.105

| Nr.       | Bezeichnung   |   | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |
|-----------|---|---|--|-------------------------|
| 6.312     | <b>Gummischlauch</b>  | 5 x 1,5<br>6 x 1,5                      | 669 029<br>669 030                         |                         |
| 6.313     | <b>Atenschutzmaske</b>  |   | 669 065                                    |                         |
| 6.314     | <b>Prüfadapter</b>  | Ionisation WG20<br>Flammenfühler QRB1S  | 230 200 12 052<br>240 100 12 012           |                         |
| 6.315     | <b>Messgerät KF 8832</b>  | für Fühlerstrom, LGK mit QRA53/55       | 669 097                                    |                         |
| 6.316     | <b>Steckerschalter</b>  | ST 18/4 WG10 - WGL30Z, WL20-WL30Z       | 130 103 15 012                             |                         |
| 6.317     | <b>U-Rohrmanometer</b>  | 0-120 mbar                              | 669 041                                    |                         |
| 6.318     | <b>Messflüssigkeit</b>  | für U-Rohrmanometer, 22 cm <sup>3</sup> | 669 067                                    |                         |
| 6.319     | <b>Messstellen Umschalter</b> für 4 Messpunkte  |   | 669 412                                    |                         |
| 6.320     | <b>Silikonschlauch</b> 3,5 x 2,0 transparent (Meterware)  |   | 750 418                                    |                         |
| 6.321     | <b>Druckmessnippel</b> G 1/4"<br><b>Druckmessnippel</b> G 1/8"  |   | 453 005<br>453 001                         |                         |
| 6.322     | <b>Vielfachmessgerät</b> Typ Amprobe 37 x R-A komplett mit Tasche   |   | 669 413                                    |                         |
| 6.323     | <b>Sicherheitsmessleitung</b> schwarz<br><b>Sicherheitsmessleitung</b> rot  |   | 669 054<br>669 055                         |                         |
| <b>7.</b> | <b>Werkzeuge</b>  |   |  |                         |
| 7.101     | <b>Werkzeugsatz</b> , mit je 1 Sechskantschraubendreher DIN 911,<br>für Zylinderschrauben mit Innensechskant,<br>SW-4-5-6-7-8-10-17   |   | 699 014                                    |                         |
| 7.102     | <b>Werkzeug für Monarch-Brenner</b> mit je 1 Gabelschlüssel<br>DIN 3110 SW-8/10-12/13-11/14-16/17-19/22-22/24-27/32,<br>Sechskantschraubenzieher 2,3/4,5, Kreuzschlitzschraubenzieher M5,<br>Steckschlüssel SW8 |   | 111 151 00 012                             |                         |
| 7.103     | <b>Düsenkoffer</b><br>Stabiles Blechgehäuse zur Aufnahme von 64 Düsen,<br>Außenmaße 230 x 230 x 45 mm (ohne Bild)   |   | 699 019                                    |                         |
|           | für 40 Fluidics-Rücklaufdüsen   |   | 699 024                                    |                         |
| 7.104     | <b>Ölansauger</b> Primus  |   | 669 397                                    |                         |
| 7.105     | <b>Gummikonus</b> für Ölansauger<br>(nur für den vorherigen Ölansauger geeignet)  |   | 669 022                                    |                         |
| 7.106     | <b>Abziehvorrichtung</b> W5 bis W40   |   | 699 023                                    |                         |
| 7.107     | <b>Abziehvorrichtung</b> Gr. 1 - 8, 30 + 40, WM 10-30   |   | 111 111 00 012                             |                         |
| 7.108     | <b>Abziehvorrichtung</b> Gr. 9 - 11, 50 - 70<br><b>Abziehvorrichtung</b> Magnetkupplung   |   | 250 514 00 012<br>155 907 00 022           |                         |

| No.   | Designation  |
|-------|--|
| 6.312 | <b>Rubber hose</b> 5 x 1.5<br>6 x 1.5                                    |
| 6.313 | <b>Respirator mask</b>   |
| 6.314 | <b>Test adapter</b> Ionisation WG20<br>Flame sensor QRB1S                |
| 6.315 | <b>Measuring device KF 8832</b> for sensor current, LGK w. QRA53/55      |
| 6.316 | <b>Plug switch</b> ST 18/4 WG10 - WGL30Z, WL20-WL30Z                     |
| 6.317 | <b>U tube manometer</b> 0-120 mbar                                       |
| 6.318 | <b>Measuring liquid</b> for U tube manometer, 22 cm <sup>3</sup>         |
| 6.319 | <b>Selector switch</b> for 4 test points                                 |
| 6.320 | <b>Silicone hose</b> 3.5 x 2.0 transparent (per metre)                   |
| 6.321 | <b>Pressure test nipple</b> G 1/4"<br><b>Pressure test nipple</b> G 1/8" |
| 6.322 | <b>Multimeter</b> type Amprobe 37 x R-A complete with bag                |
| 6.323 | <b>Cable</b> black<br><b>Cable</b> red                                   |

## 7. Tools

|       |  |
|-------|--|
| 7.101 | <b>Tool set</b> with one hexagon head screw driver each DIN 911, for cheese-head screws with inner hexagonal recess, key width -4-5-6-7-8-10-17  |
| 7.102 | <b>Tool for Monarch burners</b> , with 1 adjustable wrench DIN 31 10 key width -8/10-12/13-11/14-16/17-19/22-22/24-27/32 hexagon head screw driver 2,3/4,5, cross-slotted screw driver M5 socket wrench key width 8. |
| 7.103 | <b>Nozzle case</b><br>Strong steel case, for the housing of 64 nozzles, over-all dimensions 230 x 230 x 45 mm<br><br>for 40 Fluidics nozzles   |
| 7.104 | <b>Oil suction device</b> Primus   |
| 7.105 | <b>Rubber cone</b> for oil suction device (only suitable for the previous oil suction device)  |
| 7.106 | <b>Extractor</b> W5, W30-C, W40  |
| 7.107 | <b>Extractor</b> size 1 - 8, 30 + 40, WM 10-30   |
| 7.108 | <b>Extractor</b> size 9 - 11, 50 - 70<br><b>Extractor</b> magnetic coupling  |

| No.   | Dénomination  |
|-------|---|
| 6.312 | <b>Flexible caoutchouc</b> 5 x 1,5<br>6 x 1,5                                   |
| 6.313 | <b>Masque de protection</b>   |
| 6.314 | <b>Adaptateur</b> ionisation WG20<br>cellule QRB1S                              |
| 6.315 | <b>Mallette de mesure KF 8832</b> pour courant de cellule, LGK avec QRA53/55    |
| 6.316 | <b>Interrupteur</b> ST 18/4 WG10 - WGL30Z, WL20-WL30Z                           |
| 6.316 | <b>Tube U</b> 0-120 mbar  |
| 6.318 | <b>Liquide de mesure</b> pour tube U, 22 cm <sup>3</sup>                        |
| 6.319 | <b>Prises de mesure commutateur</b> pour 4 points de mesure                     |
| 6.320 | <b>Flexible silicone</b> 3,5 x 2,0 transparent (au mètre)                       |
| 6.321 | <b>Raccord pour mesure</b> G 1/4"<br><b>Raccord pour mesure</b> G 1/8"          |
| 6.322 | <b>Multimètre</b> type Amprobe 37 x R-A complet avec trousse de transport       |
| 6.323 | <b>Cordon de mesure sécurisé</b> noir<br><b>Cordon de mesure sécurisé</b> rouge |

## 7. Outillage

|       |   |
|-------|---|
| 7.101 | <b>Trousse d'outillage</b> , avec 1 porte-embout 6 pans DIN 911, pour vis à 6 pans creuse, SW-4-5-6-7-8-10-17   |
| 7.102 | <b>Outillage pour brûleurs Monarch</b> avec 1 clé à fourche DIN 31 10 SW-8/10-12/13-11/14-16/17-19/22-22/24-27/32, porte-embout 6 pans 2,3/4,5, tournevis cruciforme M5, clé à douille de 8 |
| 7.103 | <b>Boîte de gicleurs</b><br>Carcasse en tôle rigide pour 64 gicleurs, Dimensions ext. 230 x 230 x 45 mm (sans photo)<br><br>pour 40 gicleurs Fluidics                                       |
| 7.104 | <b>Aspirateur fioul</b> Primus  |
| 7.105 | <b>Cône en caoutchouc</b> pour aspirateur fioul (uniquement prévu pour aspirateur fioul ci-dessus)  |
| 7.106 | <b>Arrache-turbine</b> W5, W30-C, W40   |
| 7.107 | <b>Arrache-turbine</b> Gr. 1 - 8, 30 + 40, WM 10-30   |
| 7.108 | <b>Arrache-turbine</b> Gr. 9 - 11, 50 - 70<br><b>Arrache-turbine</b> accouplement magnétique  |

| Nr.       | Bezeichnung   | Bestell-Nr.<br>Order-No.<br>No de commande                                   | Preis EUR<br>(o. MwSt.) |
|-----------|---|--|-------------------------|
| <b>8.</b> | <b>Zubehör für BUS-Systeme<br/>W-FM 100/200</b>   |  |                         |
| 8.1       | <b>eBUS direkt</b><br>Anschlußkabel ABE<br>eBUS / PC-Adapter<br>Steckklemme   | 217 706 12 512<br>743 092<br>743 082   |                         |
| 8.2       | <b>eGATE Profibus-DP</b><br>Anschlußkabel ABE<br>eBUS / PC-Adapter<br>Steckklemme<br>Set eGATE Profibus-DP<br>Kopplungssoftware S7-300/-400 über eBUS   | 217 706 12 512<br>743 092<br>743 082<br>217 706 12 532<br>217 706 12 597     |                         |
| 8.3       | <b>Modbus direkt</b><br>Anschlußkabel<br>RS 232 / RS 485-Adapter<br>Netzteil<br>Kopplungssoftware S7-300/-400 über Modbus<br>Coupling software S7-1200 via Modbus   | 217 706 12 602<br>716 402<br>710 109<br>217 706 12 617<br>217 706 12 647     |                         |
| 8.4       | <b>ModGATE Profibus-DP</b><br>Set ModGATE Profibus-DP<br>Netzteil<br>Anschlusskabel ABE 5m  | 217 706 12 662<br>710 109<br>217 706 12 652                                  |                         |
| 8.5       | <b>LON</b><br>Anschlußkabel ABE<br>RS 232 / RS 485-Adapter<br>Babel Buster 485<br>Netzteil<br><br><b>Fernwirkgerät W-FM COM 2.0 - Komplett-Set</b><br>optionales Zubehör: siehe Manual Druck-Nr. 83289801 | 217 706 12 602<br>716 402<br>217 706 12 812<br>710 109<br><br>217 706 12 902 |                         |
|           | <b>W-FM 50/54</b>   |  |                         |
| 8.6       | <b>Modbus direkt</b><br>OCI412.10<br>Netzteil<br>Kopplungssoftware S7-300/400 über Modbus   | 660 285<br>710 109<br>211 104 12 507   |                         |
| 8.7       | <b>ModGATE Profibus-DP</b><br>Set ModGATE Profibus-DP<br>Netzteil   | 217 706 12 732<br>710 109  |                         |
| 8.8       | <b>LON</b><br>OCI412.10<br>Babel Buster 485<br>Netzteil   | 660 285<br>217 706 12 812<br>710 109   |                         |

| No.       | Designation   |
|-----------|---|
| <b>8.</b> | <b>Accessories for BUS systems<br/>W-FM 100/200</b>   |
| 8.1       | <b>eBUS direct</b><br>Connection cable ABE<br>eBUS / PC adapter<br>Plug terminal  |
| 8.2       | <b>eGATE Profibus-DP</b><br>Connection cable ABE<br>eBUS / PC adapter<br>Plug terminal<br>Set eGATE Profibus-DP<br>Coupling software S7-300/-400 via eBUS   |
| 8.3       | <b>Modbus direct</b><br>Connection cable<br>RS 232 / RS 485 adapter<br>Mains adapter<br>Coupling software S7-300/-400 via Modbus<br>Coupling software S7-1200 via Modbus  |
| 8.4       | <b>ModGATE Profibus-DP</b><br>Set ModGATE Profibus-DP<br>Mains adapter<br>Connection cable ABE 5m   |
| 8.5       | <b>LON</b><br>Connection cable ABE<br>RS 232 / RS 485 adapter<br>Babel Buster 485<br>Mains adapter<br><br><b>W-FM COM 2.0 communications module</b> - complete set<br>Optional accessory: see manual, print No. 83289802<br><br><b>W-FM 50/54</b> |
| 8.6       | <b>Modbus direkt</b><br>OCI412.10<br>Mains adapter<br>Coupling software S7-300/400 via Modbus   |
| 8.7       | <b>ModGATE Profibus-DP</b><br>Set ModGATE Profibus-DP<br>Mains adapter  |
| 8.8       | <b>LON</b><br>OCI412.10<br>Babel Buster 485<br>Mains adapter  |

| No.       | Dénomination  |
|-----------|---|
| <b>8.</b> | <b>Accessoires pour systèmes BUS<br/>W-FM 100/200</b>   |
| 8.1       | <b>eBUS direct</b><br>Câble de raccordement ABE<br>Adaptateur eBUS / PC<br>Connecteur de raccordement   |
| 8.2       | <b>eGATE Profibus-DP</b><br>Câble de raccordement ABE<br>Adaptateur eBUS / PC<br>Connecteur de raccordement<br>Set eGATE Profibus-DP<br>Logiciel de communication S7-300/-400 via eBUS                                  |
| 8.3       | <b>Modbus direct</b><br>Câble de raccordement<br>Adaptateur RS 232 / RS 485<br>Réseau<br>Logiciel de communication S7-300/-400 via Modbus<br>Logiciel de raccordement S7-1200 via Modbus                                |
| 8.4       | <b>ModGATE Profibus-DP</b><br>Set ModGATE Profibus-DP<br>Réseau<br>Câble de raccordement ABE 5m   |
| 8.5       | <b>LON</b><br>Câble de raccordement ABE<br>Adaptateur RS 232 / RS 485<br>Babel Buster 485<br>Réseau<br><br><b>Appareil de communication W-FM COM 2.0 - Set complet</b><br>Accessoire optionnel : voir manuel imprimé n° |
|           | <b>W-FM 50/54</b>   |
| 8.6       | <b>Modbus direkt</b><br>OCI412.10<br>Réseau<br>Logiciel de raccordement S7-300/400 via Modbus   |
| 8.7       | <b>ModGATE Profibus-DP</b><br>Set ModGATE Profibus-DP<br>Réseau   |
| 8.8       | <b>LON</b><br>OCI412.10<br>Babel Buster 485<br>Réseau   |



11.1

| Nr.  | Bezeichnung  | Bestell-Nr.<br>Order-No.<br>No de commande | Preis EUR<br>(o. MwSt.) |
|--|--|--|-------------------------|
| <b>9. Weitere Zubehörteile</b>                           |  |  |                         |
| 9.1  | Gehäuse für ABE WFM 50/100/200   | 217 706 12 552                             |                         |
| 9.2  | Can Bus Kabel WFM 100/200  | 743 192                                    |                         |
| 9.3  | Verlängerungskabel 10 m ABE WFM 50/54 (max. 20 m gesamt)<br>Verlängerungskabel / IBN- Kabel W-FM100/200, 10m | 600 407<br>217 706 12 502                  |                         |
| <b>10. Zubehör für Flammenüberwachung CFC 3000</b>       |  |  |                         |
| 10.1   | Optische Justierhilfe BFI 235  | 600 622                                    |                         |
| 10.2   | Servicepaket PC-Tool für CFC 3000 und Konverterbox Vload 6012  | 900 121 89                                 |                         |
| <b>11. Zubehör CO-Messung</b>                            |  |  |                         |
| 11.1   | Programmiergerät CO-Regelung   | 900 122 84                                 |                         |
| <b>12. Zubehör für Brennerinbetriebnahme und Wartung</b> |  |  |                         |
| 12.1   | Servicepaket PC-Tool ACS 450 für Feuerungsmanager W-FM100/200  | 900 121 59                                 |                         |
|  | Servicepaket PC-Tool ACS 401 für Feuerungsmanager W-FM05/10  | 900 121 58                                 |                         |
|  | Servicepaket PC-Tool ACS410 für Feuerungsmanager W-FM50/54, OCI410+412                                       | 900 121 65                                 |                         |
|  | Servicepaket PC-Tool für Feuerungsmanager W-FM25   | 900 122 94                                 |                         |













| No.        | Designation  |
|------------|--|
| <b>9.</b>  | <b>Additional accessories</b>  |
| 9.1        | <b>Housing</b> for ABE WFM 50/100/200  |
| 9.2        | <b>Can Bus cable</b> WFM 100/200   |
| 9.3        | <b>Extension cable</b> 10 m ABE WFM 50/54 (total max. 20 m)<br><b>Extension cable</b> / IBN- Kabel W-FM100/200, 10m  |
| <b>10.</b> | <b>Accessories for CFC 3000 flame monitoring</b>   |
| 10.1       | BFI 235 optical alignment tool   |
| 10.2       | Service packet PC tool for CFC 3000 and Vload 6012 convertor box   |
| <b>11.</b> | <b>Accessories for CO monitoring</b>   |
| 11.1       | Programming unit for CO monitoring   |
| <b>12.</b> | <b>Accessories for burner commissioning and service</b>  |
| 12.1       | Service pack PC-Tool ACS 450 for combustion manager W-FM100/200<br>Service pack PC-Tool ACS 401 for combustion manager W-FM05/10<br>Service pack PC-Tool ACS410 for combustion manager W-FM50/54, OCI410+412<br>Service pack PC-Tool for combustion manager W-FM25 |

| No.        | Dénomination  |
|------------|---|
| <b>9.</b>  | <b>Accessoires supplémentaires</b>  |
| 9.1        | <b>Corps</b> pour ABE WFM 50/100/200  |
| 9.2        | <b>Câble Can bus</b> WFM 100/200  |
| 9.3        | <b>Rallonge de câble</b> 10 m ABE WFM 50/54 (max. 20 m au total)<br><b>Rallonge de câble</b> / IBN- Kabel W-FM100/200, 10m  |
| <b>10.</b> | <b>Accessoire pour surveillance de flamme</b>   |
| 10.1       | Gabarit ajustement optique BFI 235  |
| 10.2       | Kit service PC-Tool pour CFC 3000 et box conversion Vload 6012  |
| <b>11.</b> | <b>Accessoire mesure CO</b>   |
| 11.1       | Appareil de programmation régulation CO   |
| <b>12.</b> | <b>Accessoires pour mise en service et entretien</b>  |
| 12.1       | Ensemble PC-Tool ACS 450 pour manager W-FM100/200<br>Ensemble PC-Tool ACS 401 pour manager W-FM05/10<br>Ensemble PC-Tool ACS 410 pour manager W-FM50/54, OCI410+412<br>Ensemble PC-Tool pour manager W-FM25 |





| Produkt   |   | Beschreibung   | Leistung      |
|---|---|--|---------------|
|    | <b>W-Brenner</b>                        | Die millionenfach bewährte Kompakt-Baureihe: Sparsam, zuverlässig, vollautomatisch. Öl-, Gas- und Zweistoffbrenner für Ein- und Mehrfamilienhäuser sowie Gewerbebetriebe. Als purflam Brenner wird Öl nahezu rußfrei verbrannt und NO <sub>x</sub> -Emissionen nachhaltig reduziert. | bis 570 kW    |
|     | <b>monarch® und Industriebrenner</b>    | Der legendäre Industriebrenner: Bewährt, langlebig, übersichtlich. Öl-, Gas- und Zweistoffbrenner für zentrale Wärmeversorgungsanlagen.  | bis 11.700 kW |
|    | <b>multiflam® Brenner</b>               | Innovative Weishaupt-Technologie für Großbrenner: Minimale Emissionswerte besonders bei Leistungen über ein Megawatt. Öl-, Gas- und Zweistoffbrenner mit patentierter Brennstoffaufteilung.  | bis 17.000 kW |
|   | <b>WK-Industriebrenner</b>              | Kraftpakete im Baukastensystem: Anpassungsfähig, robust, leistungsstark. Öl-, Gas- und Zweistoffbrenner für Industrieanlagen.  | bis 28.000 kW |
|  | <b>Thermo Unit</b>                      | Die Heizsysteme Thermo Unit aus Guss oder Stahl: Modern, wirtschaftlich, zuverlässig. Für die umweltschonende Beheizung von Ein- und Mehrfamilienhäusern. Brennstoff: Wahlweise Gas oder Öl.   | bis 55 kW     |
|  | <b>Thermo Condens</b>                   | Die innovativen Gas-Brennwertgeräte mit SCOT-System: Effizient, schadstoffarm, vielseitig. Ideal für Wohnungen, Ein- und Mehrfamilienhäuser. Und für den großen Wärmebedarf als bodenstehende Gas-Brennwertkessel mit bis zu 1200 kW Leistung (Kaskade).                             | bis 1.200 kW  |
|  | <b>Wärmepumpen</b>                      | Das Wärmepumpenprogramm bietet Lösungen für die Nutzung von Wärme aus der Luft, der Erde oder dem Grundwasser. Die Systeme sind geeignet für Sanierung oder Neubau.  | bis 130 kW    |
|  | <b>Solar-Systeme</b>                    | Gratisenergie von der Sonne: Perfekt abgestimmte Komponenten, innovativ, bewährt. Formschöne Flachdachkollektoren zur Heizungsunterstützung und Trinkwassererwärmung.  |               |
|  | <b>Wassererwärmer / Energiespeicher</b> | Das attraktive Programm zur Trinkwassererwärmung umfasst klassische Wassererwärmer, die über ein Heizsystem versorgt werden und Energiespeicher, die über Solarsysteme gespeist werden können.   |               |
|  | <b>MSR-Technik / Gebäudeautomation</b>  | Vom Schaltschrank bis zur Komplettsteuerung von Gebäudetechnik – bei Weishaupt finden Sie das gesamte Spektrum moderner MSR Technik. Zukunftsorientiert, wirtschaftlich und flexibel.  |               |