

GOK



oil

Components · Solutions · Systems

FOR OIL FIRING INSTALLATIONS

Made in GERMANY

Picture price lists 2011

In the **illustrated price lists 2011** we offer a complete and continuous product range for liquefied and gaseous energy.

To support you even better in selecting the right product we extended the new sales documents:

- Large number of new products in all sectors
- New self-explaining use and application descriptions
- Even more information on the individual products concerning application areas, product benefits, features and technology
- Further optimised product tables for quick product selection and improved price overview

The picture price lists 2011 are only available in German language.

The **illustrated price lists 2011 - Components/Solutions/Systems** are available for:



Oil firing installations



LPG installations,
including warming,
burning, soldering



LPG tank equipment



Leisure time –
caravan, camping, marine

Ask for the free catalogues by e-mail: information@gok-online.de



GOK online

Our new homepage under
www.gok-online.de.

Please take a look!

Contents

Fields of application for oil firing installations	2 - 3
Filling and ventilation	4 - 13
Filling level and content measurement	14 - 19
Withdrawal	20 - 24
Pipe system	25 - 61
Filters	62 - 67
Regulators	68 - 71
Safety and monitoring	72 - 85
Oil feeding units	86 - 87
Metres, test equipment and auxiliaries	88 - 97
Tank management	98 - 103
Article list (in ascending order by part number)	104 - 108
Abbreviations and units	109
Use of GOK products	110
Your contacts in the export department	111
Index	112 - 113

NEW in our product range:

Limit indicator type GWD with level gauge type FSA	10
Exchange limit indicator type GWD	11
Level gauge type FSA	17
Pneumatic level gauge type IAP	19
Stainless steel bulkhead compression fittings	47
Hose assembly BIO for special burners	58
Single conduit filter type 500EZ / 500EAZ	65
Fuel oil emergency supply set	66
Membrane-controlled anti-siphon device	75
Negative pressure test equipment type UPE-300	94



Marked products are suitable for use with biogenic fuels.

For detailed information on use see page 110 of this price list.

All texts and dimensions are subject to change. We reserve the right to constructional modifications. The illustration of products as well as application and product descriptions are exemplary. We will not assume any liability for typographical and other errors!

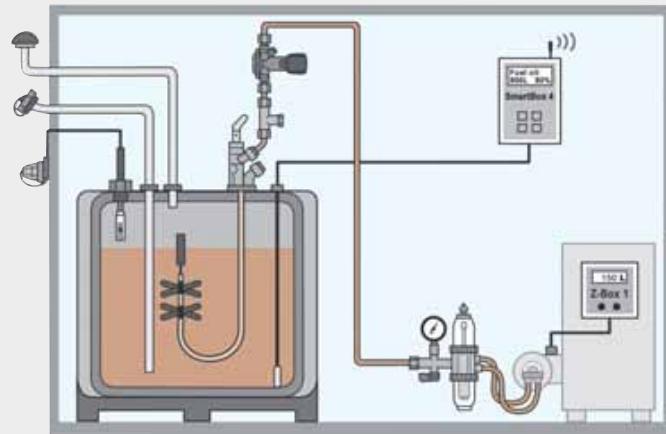
Upon publishing this catalogue, previous brochures are no longer applicable!

Fields of application for oil firing installations

Single conduit system

with the following functions:

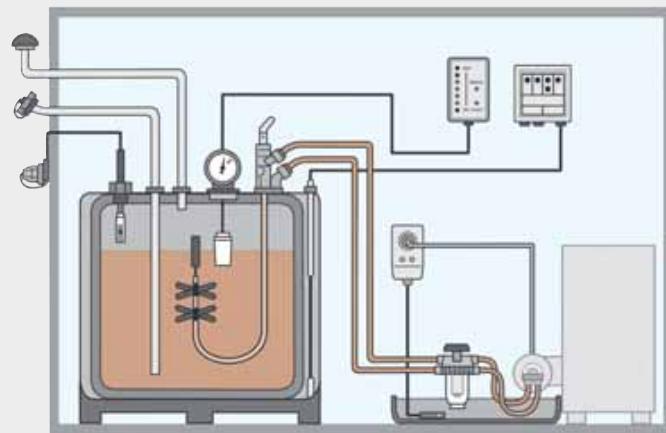
Filling and ventilation	page 4
Withdrawal	page 20
Pipe system	page 25
Filters	page 62
Safety and monitoring	page 72
Tank management	page 98



Double conduit system

with the following functions:

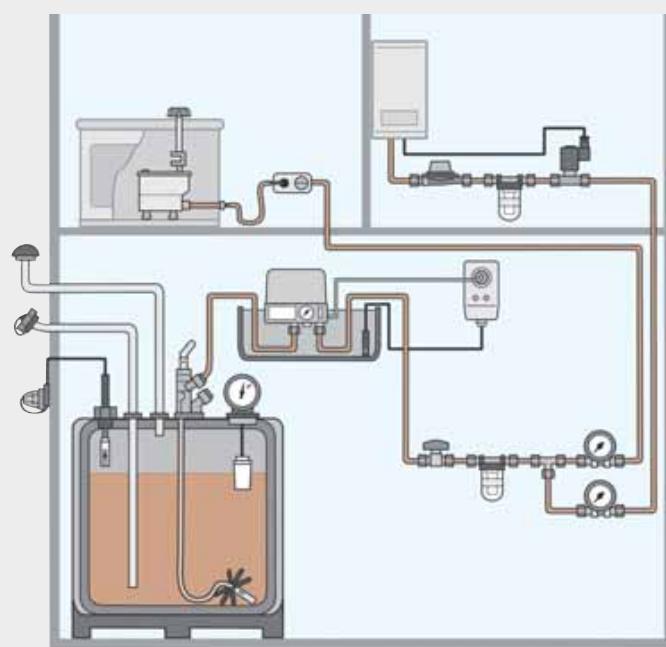
Filling and ventilation	page 4
Filling level and content measurement	page 14
Withdrawal	page 20
Pipe system	page 25
Filters	page 62
Safety and monitoring	page 72



Central oil supply

with the following functions:

Filling and ventilation	page 4
Filling level and content measurement	page 14
Withdrawal	page 20
Pipe system	page 25
Filters	page 62
Regulators	page 68
Safety and monitoring	page 72
Oil feeding units	page 86



Fields of application for oil firing installations

Meters, test equipment

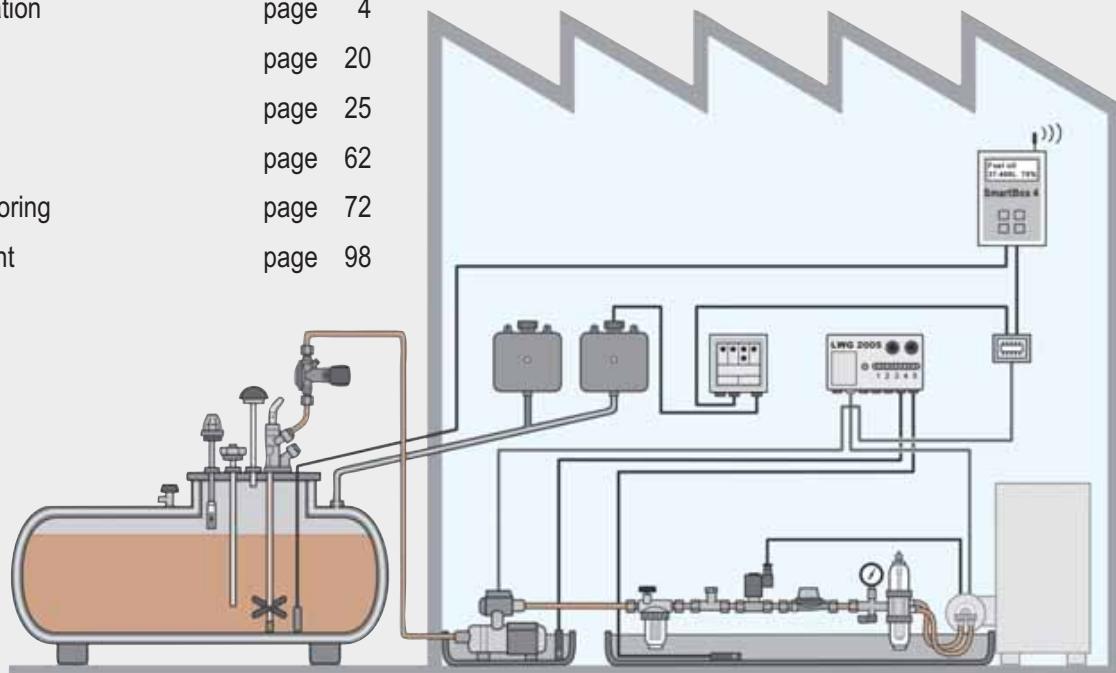
and auxiliaries

page 88

Industrial system

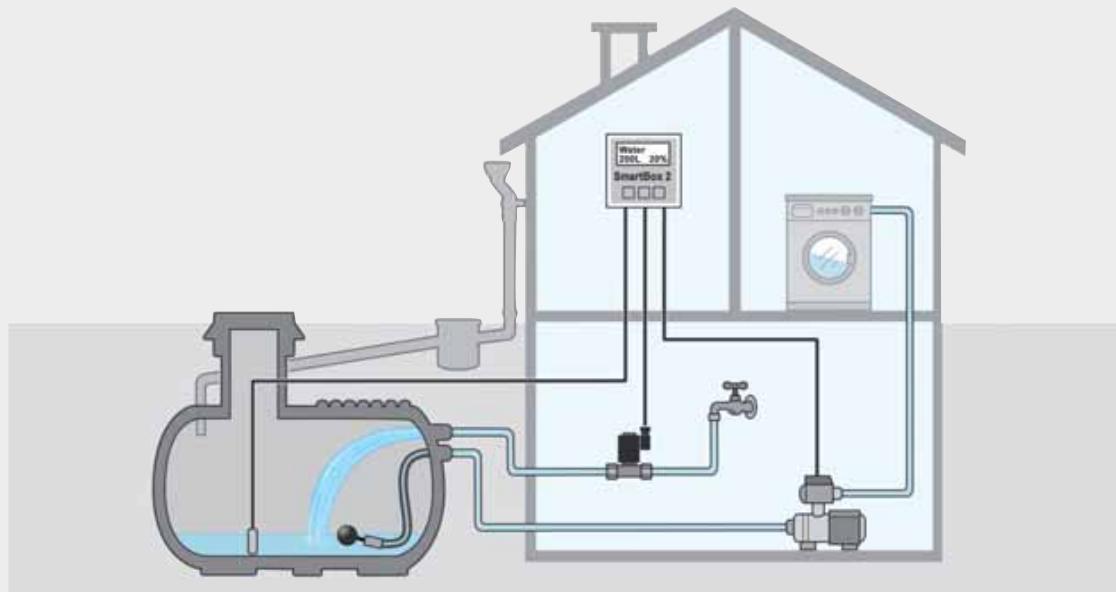
with the following functions:

Filling and ventilation	page 4
Withdrawal	page 20
Pipe system	page 25
Filters	page 62
Safety and monitoring	page 72
Tank management	page 98



Tank management

page 98



Filling and ventilation



Filling hole plug for low-sulphur fuel oil EL

For tank filling devices

Advantages and equipment

- With chain
- Colour of the plug: green, with the inscription "Heizöl EL schwefelarm" (low-sulphur fuel oil EL)

Filling hole plug for low-sulphur fuel oil EL

Rp 2 F x G 2 1/2 M with NBR gasket

Rp 2 F x G 2 1/2 M with fiberboard gasket PS 10 bar

Part no.		I	II	Z
15 030 03		x	x	x
15 030 04		x	x	x
15 030 33		x	x	x
15 030 34		x	x	x

Accessories

Cover for filling hole plug

With chain

G 2 1/2 F with NBR gasket

G 2 1/2 F with fiberboard gasket



Filling hole plug

For tank filling devices

Advantages and equipment

- With chain

Filling hole plug

Version for use in Germany and Italy

Rp 2 F x G 2 1/2 M

Rp 2 F x G 2 1/2 M short form

G 2 M x G 2 1/2 M for spherical tanks



Bayonet filling hole plug

For tank filling devices of fuel oil EL, fuel EL A Bio, diesel and FAME

Consisting of: male coupling VK 50 according to DIN 28450 (EN 14420-6) and cap MB 50, lockable, with sealing rings



Advantages and equipment

- With chain

Technical data

- Material: male coupling: brass
cap: plastic or brass

Bayonet filling hole plug

G 2 F x VK 50 x MB 50 with grey plastic cap

G 2 F x VK 50 x MB 50 with brass cap, PS 16 bar

Part no.		I	II	Z
15 041 00		x	x	x
15 041 10		x	x	x
15 032 00		x	x	x
15 004 00		x	x	x

Filling and ventilation



Filling hole plug for limit indicator

For tank filling devices of fuel oil EL, fuel EL A Bio, diesel and FAME
Consisting of: integrated limit indicator connector type 906, male coupling
VK 50 according to DIN 28450 (EN 14420-6) and cap, lockable

Advantages and equipment

- With chain

Technical data

- Material: male coupling: brass
cap: plastic

Filling hole plug for limit indicator

G 2 F x VK 50 x connector type 906

Part no.		I	II	Z
15 029 00		x	x	x



Dip tube plug

For dip orifices on tanks for fuel oil EL

Advantages and equipment

- With chain

Dip tube plug

Version for use in Europe

Rp 1 F x G 1 1/4 M
G 1 M x G 1 1/4 M for spherical tanks

Part no.		I	II	Z
15 037 00		x	x	x
15 035 00		x	x	x



Vent cap

For the protection of the vent pipe against dirt, weathering effects and animals

Note

- The version with sieve is not permitted for use in Germany!

Vent cap

Nonferrous metal version

Without sieve

Rp 1 F	15 044 00	x	x	x
Rp 1 1/4 F	15 045 00	x	x	x
Rp 1 1/2 F	15 043 00	x	x	x
Rp 2 F	15 046 00	x	x	x

With sieve

Rp 1 F	15 044 01	x	x	x
Rp 1 1/4 F	15 045 01	x	x	x
Rp 1 1/2 F	15 043 01	x	x	x
Rp 2 F	15 046 01	x	x	x

Plastic version

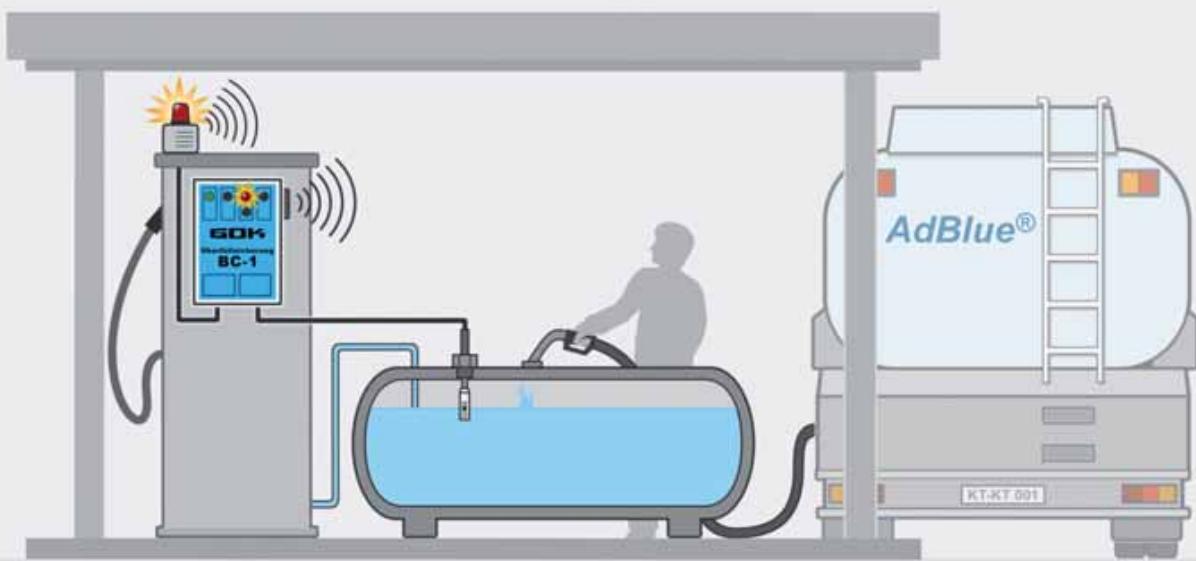
Without sieve				
Rp 1 1/4 F	15 050 00	x	x	x
Rp 1 1/2 F	15 051 00	x	x	x
Rp 2 F	15 052 00	x	x	x

With sieve

Rp 1 1/4 F	15 050 01	x	x	x
Rp 1 1/2 F	15 051 01	x	x	x
Rp 2 F	15 052 01	x	x	x
G 2 M	15 052 03	x	x	x

Product suitable for: Single conduit systems
Double conduit systems
Central oil supply

Filling and ventilation



Overfilling safety device type BC-1

Sample application:

The overfilling safety device type BC-1 monitors liquid media and triggers a visual and acoustic alarm when the set filling level is reached.
The example shows a special solution of an AdBlue® tank system.

Filling and ventilation



Overfilling safety device type BC-1

For monitoring tanks with liquid media as an alarm device during the filling process

Consisting of: indicating unit with probe

Operating materials at medium temperatures of -20 °C to +50 °C:

- Urea solution according to DIN 70070
- Fuel oil EL according to DIN 51603-1
- Fuel oil S according to DIN 51603-3
- Diesel fuel according to EN 590
- Biodiesel / fatty acid methyl esters (FAME) according to EN 14213 and EN 14214
- Vegetable oils
- Lubricants
- Hydraulic oils
- Thermal oils
- Oil-in-water mixtures

Advantages and equipment

- Visual and acoustic alarm upon media contact with the probe sensor in a tank
- Acknowledgement button for the acoustic alarm (visual alarm may not be acknowledged according to DIBt approval principles for overfilling safety devices before emerging/taking out)
- Potential-free relay contact for connection, e.g. to an external acoustic and/or visual signal transmitter or an external operation lamp
- Probe with stainless steel stand pipe and metal-encapsulated PTC sensor
- Probe length 250 mm, cable length 5 m

Approval

- General building-authority approval no. Z-65.11-428
- Belgium: 99/H031/09030901

Technical data

- Supply voltage: 230 V AC 50 Hz
- Connection: G 1 male thread

Overfilling safety device type BC-1

Installation of box inside building, type of protection IP 30

Complete

15 700 00

Installation of box outside building, type of protection IP 65

Complete

15 705 00

Different probe and cable lengths, available upon request.

Filling and ventilation



Limit indicator

Sample application:

Type GWD limit indicator as safety device against overfilling of the storage tank for fuel in connection with the overfill sensor (control device) on the road tank truck (transport tank).

Filling and ventilation

Remark on limit indicators

The overfilling of tanks for liquid fuels must be prevented in accordance with the regulations for the protection of water against impurities. This basic requirement is met if tankers are equipped with an overfill sensor that automatically protects the tank from overfilling through interaction with a limit indicator specified by TRws 779 (E TRws 791/DIN 4755), as is shown in the image on the left.

Limit indicators are safety installations. They are sensors on the tank with effect on the overfill protection of a tanker and automatically interrupt together with the overfill protection the filling process before reaching the permitted filling level and therefore fulfill the function of overfill protection.

The limit indicators according to EN 13616 which serve as sensors for storage tanks with current interfaces as part of the overfill protection type B1, correspond with the TRbF 511 limit indicators in their structure. GWG type limit indicators meet both the EN 13616 quality requirements as well as those of TRbF 511.

The adjusting dimensions for the respective tanks should be taken from the installation and operating manual.



with unasssembled
wall fitting



with assembled
wall fitting

Limit indicator type GWD

As safety device against overfilling

Operating materials:

- Fuel oil EL according to DIN 51603-1
- Fuel oil EL A Bio according to DIN V 51603-6
- FAME according to EN 14213 and EN 14214
- Diesel fuel according to EN 590 and DIN 51628
- Vegetable oils

Field of application:

- Battery tanks according to DIN 6620
- Site-built steel tanks for above-ground storage according to DIN 6625-1 and DIN 6625-2, ÖNORM C 2117
- Welded stationary pressureless tanks made from thermoplastics according to EN 12573-1, EN 12573-2, EN 12573-3, EN 13341, EN 15724
- Above-ground GRP tanks according to EN 13121, part 1 to 3
- Other tanks with a general technical approval

Approval

- Belgium: 99/H031/03060502
- Type test according to EN 13616

Technical data

- Tank connection: G 1 male thread
- Probe length: 305 mm

Note

- Testing device for limit indicator, see part no. 15 098 00.

Limit indicator type GWD

With unassembled wall fitting type 905

Connection cable 1200 mm

15 080 00

x x x

Connection cable 4700 mm

15 305 00

x x x

Without wall fitting

Connection cable 1200 mm

15 080 04

x x x

Connection cable 4700 mm

15 305 04

x x x

With assembled wall fitting type 905

Completely wired

15 080 10

x x x

Product suitable for: Single conduit systems
Double conduit systems
Central oil supply

Filling and ventilation

NEW

Limit indicator type GWD with level gauge type FSA

As safety device against overfilling of tanks, used in combination with the filling safety device at road tank trucks, as well as a device to determine the filling level with indication of the filling height

Operating materials:

- Light fuel oil EL according to DIN 51603-1
- Light fuel oil EL A Bio according to DIN V 51603-6
- Diesel according to DIN EN 590 and DIN 51628
- FAME according to DIN EN 14213 and DIN EN 14214
- Vegetable oil

Field of application:

- Battery tanks according to DIN 6620
- Steel tanks assembled at the place of destination for overground storage according to DIN 6625-1 and DIN 6625-2, ÖNORM C 2117
- Welded stationary unpressurized tanks made of thermoplastics according to DIN EN 12573-1, DIN EN 12573-2, DIN EN 12573-3, DIN EN 13341, DIN EN 15724
- Overground GRP tanks according to DIN EN 13121, parts 1 to 3
- Other tanks in connection with a general building-authority approval

Advantages and equipment

- Limit indicator and level gauge combined in one unit
- Determination of filling height following the float principle
- Later marking of the maximum filling height which corresponds to the maximum admitted filling volume
- Smell-free version
- The level gauge is at the same time the mounting part for the limit indicator of type GWD (e.g. part no. 15 304 00).

A free connector at the tank can be used if the tank wall is no longer transparent.

Approval

- Type test according to EN 13616 for the limit indicator

Technical data

- Measuring range of filling level: 0 to 250 cm
- Measuring accuracy: $\pm 3\%$
- Tight at test pressure: up to 100 mbar
- Float diameter: 31 mm
- Material: housing: ABS
float: HDPE
- Material number spring: 1.4310
- Tank connector: G 1 1/2 male thread
- Probe length limit indicator: 305 mm

Note

- Test equipment for limit indicator, see part no. 15 098 00.

Limit indicator type GWD with level gauge type FSA with unassembled wall fitting type 905

Connection cable 4700 mm

Part no.		I	II	Z
15 278 00		x	x	x

Filling and ventilation

NEW

Exchange limit indicator type GWD

For the exchange of a faulty limit indicator in an existing tank panel or insert using the existing fastening components for a probe tube with a diameter of 10 mm

Operating materials:

- Fuel oil EL according to DIN 51603-1
- Fuel oil EL A Bio according to DIN V 51603-6
- FAME according to EN 14213 and EN 14214
- Diesel fuel according to EN 590 and DIN 51628
- Vegetable oils

Field of application:

- Battery tanks according to DIN 6620
- Site-built steel tanks for above-ground storage according to DIN 6625-1 and DIN 6625-2, ÖNORM C 2117
- Welded stationary pressureless tanks made from thermoplastics according to EN 12573-1, EN 12573-2, EN 12573-3, EN 13341, EN 15724
- Above-ground GRP tanks according to EN 13121, part 1 to 3
- Other tanks with a general technical approval

Approval

- Belgium: 99/H031/03060502
- Type test according to EN 13616

Technical data

- Connection cable: 4700 mm

Note

- Without insert

Exchange limit indicator type GWD

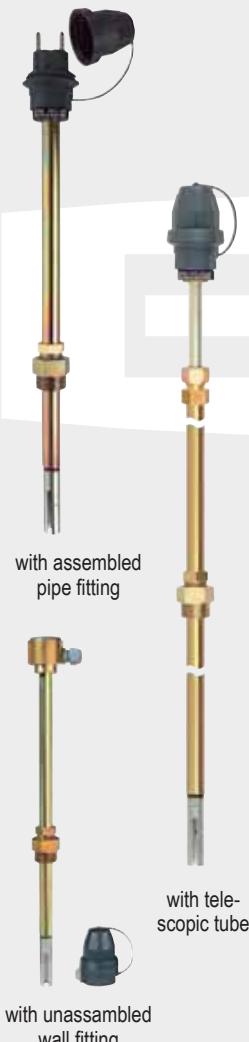
Without wall fitting

Probe length 305 mm

Probe length 360 mm

Part no.		I	II	Z
15 304 00		x	x	x
15 304 10		x	x	x

Filling and ventilation



Limit indicator type GWS

As a safety device against overfilling

Operating materials:

- Fuel oil EL according to DIN 51603-1 and DIN V 51603-6
- FAME according to EN 14213 and EN 14214
- Diesel fuel according to EN 590 and DIN 51628
- Petrol fuel according to EN 228, DIN 51600, DIN 51626-1 and DIN 51626-2

Field of application:

- Battery tanks according to DIN 6620
- Underground and above-ground cylindrical steel tanks in horizontal position according to DIN 6608-1, DIN 6608-2, DIN 6616, DIN 6617, DIN 6624-1, DIN 6624-2, DIN EN 12285-1 and DIN EN 12285-2
- Site-built steel tanks for above-ground storage according to DIN 6625-1 and DIN 6625-2, ÖNORM C 2117
- Cylindrical steel tanks in upright position according to DIN 6618-1, DIN 6618-2, DIN 6618-3, DIN 6619-1, DIN 6619-2, DIN 6623-1 and DIN 6623-2, ÖNORM C 2116
- Above-ground cylindrical flat-bottomed tanks made from metallic materials according to DIN 4119-1 and EN 1993-4-2
- Above-ground GRP tanks according to EN 13121, part 1 to 3
- Other tanks with a general technical approval

Approval

- Belgium: 99/H031/03060501
- EC type test number according to 94/9/EC (ATEX): EX5 03 02 18968 006 X
- Type test according to EN 13616

Technical data

- Tank connection: G 1 male thread

Note

- Testing device for limit indicator, see part no. 15 098 00.

Limit indicator type GWS

With assembled pipe fitting type 904, colour: grey

Probe length 400 mm	15 080 40	x	x	x
Probe length 700 mm	15 080 41	x	x	x
Probe length 800 mm	15 080 43	x	x	x
Probe length 900 mm	15 080 44	x	x	x
Probe length 1000 mm	15 080 42	x	x	x

With assembled pipe fitting type 904, colour: yellow

Probe length 400 mm	15 080 60	x	x	x
Probe length 700 mm	15 080 61	x	x	x
Probe length 1000 mm	15 080 62	x	x	x

With height-adjustable pipe fitting type 904, colour: grey

Height adjustment using a telescopic tube

Probe length 700 mm + telescope length 170 - 600 mm	15 081 41	x	x	x
Probe length 1000 mm + telescope length 170 - 760 mm	15 081 42	x	x	x

With unassambled wall fitting type 905

Probe length 400 mm	15 080 80	x	x	x
Probe length 700 mm	15 080 81	x	x	x
Probe length 1000 mm	15 080 82	x	x	x

Upon request, probe lengths from 100 mm to 3000 mm are available as a special design.

Part no.		I	II	Z

Filling and ventilation

Cable connection fitting

For the extension of 2-wire power and signal lines up to 4 mm²



Advantages and equipment

- For LAG as an indicator cable for type LAG 2000 A
- For limit indicator as a connection cable for type GWD

Technical data

- Protection class: IP 54

Cable connection fitting

Complete

Part no.		I	II	Z
15 379 00		x	x	x

Connection device for limit indicator

Without cable



Connection device for limit indicator

Fig. 1, plug-in connector for connection to limit indicator fitting type 903

Part no.		I	II	Z
15 099 35		x	x	x
15 082 06		x	x	x
15 080 09		x	x	x

Fig. 2, limit indicator fitting for pipe mounting grey plastic type 904

Fig. 3, limit indicator fitting for wall mounting grey plastic type 905

Wall door for filling hole plug

For protecting the filling hole plug and limit indicator fitting against unauthorised access



Technical data

- Material: galvanised steel

Wall door for filling hole plug

310 x 310 mm

Part no.		I	II	Z
18 205 00		x	x	x

Alarm whistle

As acoustic overfill sensor for storage tanks



Approval

- Belgium: 99/H031/03060503

Technical data

Connection:

1 = G 1 1/4 male thread

2 = G 1 1/2 male thread

3 = G 1 1/4 female thread

Note

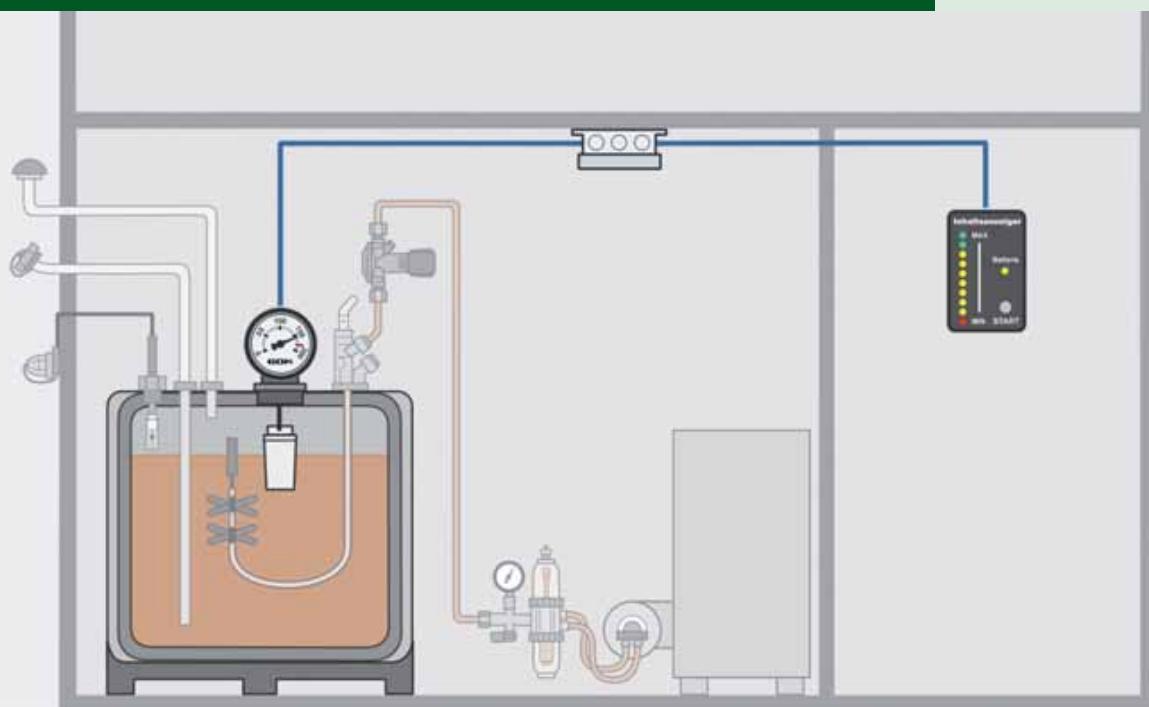
- Not suitable for storage tanks in Germany!

Alarm whistle

Complete

Part no.		I	II	Z
15 087 00		x	x	x

Filling level and content measurement



Level gauge with electronic remote indicator type DC-1

Sample application:

Double contents check by means of DC-1:

The filling level is indicated on the tank by means of a mechanical display of the level gauge.

The battery-operated LED display is fitted outside the tank storage room.

Filling level and content measurement



Level gauge with electronic remote indicator type DC-1

Analogue, mechanical level gauge with electronic remote transmission to a display with light diodes

Consisting of: electronic remote display unit with light diodes, level gauge (see e.g. part no. 15 076 00), connection cable 2 x 5 m, 9 V block battery and mounting accessories



Operating materials:

- Fuel oil EL according to DIN 51603-1
- Fuel oil EL A Bio according to DIN V 51603-6
- Diesel fuel according to EN 590 and DIN 51628
- FAME according to EN 14213 and EN 14214
- Vegetable oils
- Waste oil
- Other water-endangering non-flammable liquids
- Rain water

Advantages and equipment

- Two displays
- Determination of the filling level according to the float principle
- Subsequent indication of the maximum filling level which corresponds to the maximum permitted filling volume
- Smell-free version
- Remote transmission up to 50 m
- Tank-specific adjustment
- Easy installation

Technical data

- Measuring range of filling level: 0 to 200 cm
- Measuring accuracy: ± 5%
- Tight at test pressure: up to 100 mbar
- Float diameter: 38 mm
- Material: housing: ABS
- float: PE-HD
- Material number spring: XC 80 steel tool

Level gauge with electronic remote indicator type DC-1

Tank connection G 1 1/2 male thread

15 186 00

x x x

Tank connection G 2 male thread

15 187 00

x x x

Retrofit set type DCN-1

For the subsequent installation of an analogue, mechanical level gauge with electronic remote transmission to a display unit with light diodes type DC-1 in smell-free models, for plastic oil tanks without a free screw-in opening



Advantages and equipment

- With mounting accessories

Note

- Operating materials and technical data, see part no. 15 186 00.

Retrofit set type DCN-1

Complete

15 189 00

x x x

Product suitable for: Single conduit systems
Double conduit systems
Central oil supply

Filling level and content measurement



Level gauge

For the display of the filling level, with a marking of the maximum filling level

Operating materials:

- Fuel oil EL according to DIN 51603-1
- Fuel oil EL A Bio according to DIN V 51603-6
- Diesel fuel according to EN 590 and DIN 51628
- FAME according to EN 14213 and EN 14214
- Vegetable oils
- Waste oil
- Other water-endangering non-flammable liquids
- Rain water

Advantages and equipment

- Determination of the filling level according to the float principle
- Subsequent indication of the maximum filling level which corresponds to the maximum permitted filling volume
- Smell-free version

Technical data

- Measuring range of filling level: 0 to 200 cm
- Measuring accuracy: ± 5%
- Tight at test pressure: up to 100 mbar
- Float diameter: 38 mm
- Material: housing: ABS
float: PE-HD
- Material number spring: XC 80 steel tool

Level gauge

Tank connection G 1 1/2 male thread

Tank connection G 2 male thread

Part no.

I

II

Z

15 076 00

15 077 00

x

x

x

Tank spy

For the subsequent installation of smell-free level gauge on a plastic oil tank without a free screw-in opening

Part no.

I

II

Z



Advantages and equipment

- With mounting accessories

Note

- Operating materials and technical data, see part no. 15 076 00.

Tank spy

Complete

15 085 00

x

x

x

Filling level and content measurement

NEW

Level gauge type FSA

For mechanical determination of the filling level with indication of filling height in unpressurized tanks

Operating materials:

- Light fuel oil EL according to DIN 51603-1
- Light fuel oil EL A Bio according to DIN V 51603-6
- Diesel according to DIN EN 590 and DIN 51628
- FAME according to DIN EN 14213 and DIN EN 14214
- Vegetable oil
- Used oil
- Other water-endangering non-flammable liquids

Advantages and equipment

- High measuring accuracy with new measuring technique
- Determination of filling height following the float principle
- Later marking of maximum filling height which corresponds to the maximum admitted filling volume
- Smell-free version

Technical data

- Measuring accuracy: $\pm 3\%$
- Tight at test pressure: up to 100 mbar
- Float diameter: 31 mm
- Material: housing: ABS
float: HDPE (white) or PP (black)
- Material no. spring: 1.4310

Note

- To protect the float and its cord against twisting during on-going filling, a guide pipe can be mounted to the level gauge type FSA.
- If needed, please ask for the guide pipe with required length.

Level gauge type FSA

Measuring range 0 to 250 cm

Tank connection G 1 1/2 male thread

15 276 00

x

x

x

Tank connection G 2 male thread

15 277 00

x

x

x

Measuring range 0 to 160 cm

Tank connection G 1 1/2 male thread

15 276 01

x

x

x

Tank connection G 2 male thread

15 277 01

x

x

x

For rainwater with PP float

Measuring range 0 to 250 cm

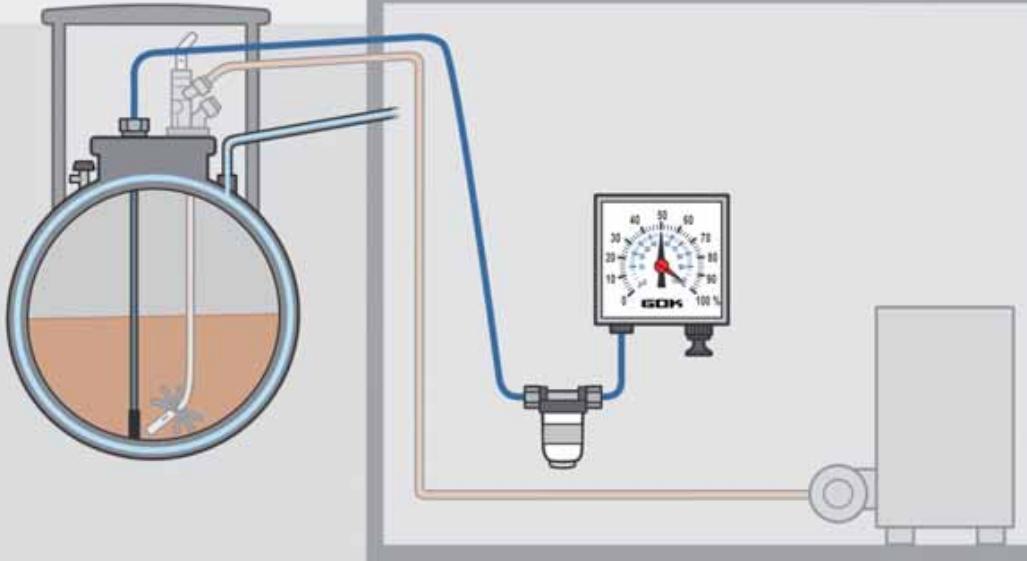
Tank connection G 1 1/2 male thread

15 276 02

Tank connection G 2 male thread

15 277 02

Filling level and content measurement



Pneumatic level gauge type IAP

Sample application:

Remote indication of tank contents in an underground oil tank.

Filling level and content measurement

NEW

Pneumatic level gauge type IAP

For the remote indication of the filling level in pressureless tanks with the display of the filling level

Operating materials:

- Fuel oil EL according to DIN 51603-1
- Diesel fuel according to EN 590
- FAME according to EN 14213 and EN 14214
- Other non-flammable liquids under the following conditions:
liquid fumes have a neutral reaction against plastics (PA, PS, PE)
as well as Cu, Zn and Sn alloys and elastomers

Advantages and equipment

- With zero-point correction
- Determination of filling level by measuring the hydrostatic liquid pressure at the bottom of the tank through generated pneumatic pressure
- Adjustment display for easy consumption control
- Capsule measurement values with an overpressure safety device
- Measurement scale for cylindrical and rectangular tanks
- Remote measurement up to 50 m

Technical data

- Measuring range of filling level: 0 to 100%
- Measuring accuracy: $\pm 3\%$ of the scale end value
- Material of housing: plastic
- Measuring range continuously adjustable from 900 to 3000 mm tank height at a liquid density of 840 kg/m³ (e.g. fuel oil EL)



Pneumatic level gauge type IAP

With a scale of 0 to 100% filling level

Scales with display in litres

Suitable until the manufacturing year 11/2010 and type IAP

3000 litres	15 079 19	x	x	x
5000 litres	15 079 20	x	x	x
7000 litres	15 079 21	x	x	x
10000 litres	15 079 22	x	x	x
13000 litres	15 079 23	x	x	x
16000 litres	15 079 24	x	x	x
20000 litres	15 079 25	x	x	x
25000 litres	15 079 26	x	x	x
30000 litres	15 079 27	x	x	x
40000 litres	15 079 28	x	x	x
50000 litres	15 079 29	x	x	x

Replacement part

Measuring line, plastic hose 4 x 1 mm	12 516 00	x	x	x
2 hose nozzles 4 mm	14 014 00	x	x	x
Condensate vessel, compression fitting 6 mm at both ends	13 022 00	x	x	x
Condensate vessel, hose nozzle 4 mm at both ends	13 022 01	x	x	x

Accessories

Assembly set for the connection of a remote level gauge to the tank Consisting of: flexible line (310 cm long), foot rest, screw-in insert with pitched threads G 1 and G 1 1/4, reducer G 2 x G 1 1/2, reducer G 1 x G 1 1/2, flexible measuring line 4 x 1 mm (1000 cm long), condensate vessel with compression fittings, hose extension nozzle and 24 hose clamps with steel nails	15 078 99	x	x	x
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Product suitable for: Single conduit systems
Double conduit systems
Central oil supply

Withdrawal

Remark on suction kits

For modern oil firing installations in a single-conduit system, small nominal widths (DN) are recommended for the suction line, as shown for example in the following listed models DN 5 for flow volumes up to 10 l/h. The optimal flow rate prevents the outgassing of heating oil and therefore unwanted burner malfunctions. The nominal length, e.g. 1600 mm, is the distance between the bottom edge of the tank connection G 1 and the suction inflow in the spacer.

For underground tanks in Germany, a floating withdrawal following TRÖl should not be used!

Suction kit type VTK-2 PS 10 bar

Withdrawal kit for oil tanks and single and double-conduit systems

Consisting of: quick-acting withdrawal valve with 360° rotatable flip lever valve, NBR hose lines with spacer to the bottom of the tank and tank connection G 1 male thread with NBR sealing ring

Technical data

- Model with G 3/8 female thread suitable for screw-in compression fittings according to DIN 3852-2 for sealing using provided NBR O-rings or the connection of a suitable universal connection set (UA)

Suction kit type VTK-2

With non-return valve

Without measuring line

1600 mm	G 3/8 F	DN 10	16 429 01	x	x	x
1600 mm	UA 8/10	DN 10	16 429 16	x	x	x
2150 mm	G 3/8 F	DN 5	16 430 41	x		
2150 mm	G 3/8 F	DN 5	16 430 75	x		
2150 mm	G 3/8 F	DN 10	16 430 01	x	x	x
2150 mm	G 3/8 F	DN 10	16 430 61	x	x	x
2150 mm	UA 8/10	DN 10	16 430 16	x	x	x
2150 mm	UA 8/10	DN 10	16 430 71	x	x	x
2600 mm	G 3/8 F	DN 10	16 434 01	x	x	x

With measuring line

1600 mm	G 3/8 F	DN 10	16 429 00	x	x	x
2150 mm	G 3/8 F	DN 5	16 438 02	x		
2150 mm	G 3/8 F	DN 10	16 430 00	x	x	x
2150 mm	G 3/8 F	DN 10	16 430 60	x	x	x
2150 mm	UA 8/10	DN 10	16 430 15	x	x	x
2150 mm	UA 8/10	DN 10	16 430 70	x	x	x
2600 mm	G 3/8 F	DN 10	16 434 00	x	x	x

Without non-return valve for self-locking aspiration lines

Without measuring line

2150 mm	G 3/8 F	DN 5	16 441 41	x		
2150 mm	G 3/8 F	DN 5	16 441 75	x		
2150 mm	G 3/8 F	DN 10	16 441 02	x		x

With measuring line

1600 mm	G 3/8 F	DN 10	16 440 00	x		x
2150 mm	G 3/8 F	DN 5	16 440 42	x		x
2150 mm	G 3/8 F	DN 10	16 440 02	x		x

Withdrawal



Suction kit type VTK 2 BIO PS 10 bar

Withdrawal kit for oil tanks and single and double-conduit systems in which biogenic fuels are stored, e.g. heating oil EL A Bio

Consisting of: quick-acting withdrawal valve with 360° rotatable flip lever valve, FKM hose line with spacer to the bottom of the tank and tank connection G 1 male thread with HNBR sealing ring

Technical data

- Model with G 3/8 female thread suitable for screw-in compression fittings according to DIN 3852-2 for sealing using provided FKM O-rings or for the connection of a universal connection set (UA)

Suction kit type VTK 2 BIO

With non-return valve

Without measuring line

2150 mm G 3/8 F DN 10

Part no.		I	II	Z
16 330 01		x	x	x



Suction kit type TAK PS 10 bar

Withdrawal kit for oil tanks and single and double-conduit systems

Consisting of: Quick-acting withdrawal valve with 360° rotatable flip lever valve, NBR hose lines with spacer to the bottom of the tank and tank connection R 1 male thread

Advantages and equipment

- Two-piece withdrawal valve adjustable in direction and height

Technical data

- Model with G 3/8 female thread suitable for screw-in compression fittings according to DIN 3852-2 for sealing using provided NBR O-rings or the connection of a suitable universal connection set (UA)

Suction kit type TAK

With non-return valve

Without measuring line

1600 mm G 3/8 F DN 10

2150 mm G 3/8 F DN 10

2600 mm G 3/8 F DN 10

With measuring line

1600 mm G 3/8 F DN 10

2150 mm G 3/8 F DN 10

2150 mm G 3/8 F DN 10 floating withdrawal

2600 mm G 3/8 F DN 10

Part no.		I	II	Z
16 404 00		x	x	x
16 414 00		x	x	x
16 424 00		x	x	x
16 421 00		x	x	x
16 411 00		x	x	x
16 411 70		x	x	x
16 401 00		x	x	x

Withdrawal



Retrofit set for floating withdrawal

Easy plug-in system for suction kits type VTK, VTK-2 and TAK for oil tanks as well as single and double-conduit systems

Advantages and equipment

- With suction spout
- With 2 spacers to the bottom of the tank

Retrofit set for floating withdrawal

Equipment for suction line DN 5, with measuring line

	Part no.	I	II	Z
Equipment for suction line DN 5, with measuring line	16 430 78	x		
Equipment for suction line DN 10, with measuring line	16 430 58	x	x	x
Equipment for suction line DN 5, without measuring line	16 430 79	x		
Equipment for suction line DN 10, without measuring line	16 430 59	x	x	x

Equipment for suction line DN 10, with measuring line
Equipment for suction line DN 5, without measuring line
Equipment for suction line DN 10, without measuring line



Lever valve for type VTK and VTK-2

For installation in suction kits type VTK and VTK-2 with screw-in thread M18 x 1.5 for self-locking aspiration lines according to VAWS, TRbF 50 and DIN 4755 and oil lines with a safety device against siphoning without a pressure compensation device

Note

- For the retrofitting of existing oil lines with a safety device against siphoning or modification as a self-locking aspiration line, dismantle the lever valve of the suction kit type VTK and VTK-2, remove non-return valve and insert lever valve!

Lever valve for type VTK and VTK-2

Complete

	Part no.	I	II	Z
Complete	15 308 10	x	x	x



Release cord for suction kits

With a pull grip and sealable plastic box for the remote control of suction kits on above-ground oil tanks

Technical data

- Material: steel cable with plastic casing
- Length: 10 metres

Release cord for suction kits

Complete

	Part no.	I	II	Z
Complete	15 378 00	x	x	x

Withdrawal

Withdrawal hose assembly

For oil storage tanks



Technical data

- Oil-resistant hose according to EN ISO 6806
- Compression fitting R 3/8 male thread as weight and seat for the foot valve
- Pipe socket 8 mm = oil hose nominal diameter DN 8
- Pipe socket 10 mm = oil hose nominal diameter DN 10

Withdrawal hose assembly

With pipe socket 100 mm long

	Part no.	I	II	Z
Pipe socket 8 x R 3/8 M x 1500 mm	12 103 00	x	x	x
Pipe socket 8 x R 3/8 M x 1750 mm	12 105 00	x	x	x
Pipe socket 8 x R 3/8 M x 2000 mm	12 106 00	x	x	x
Pipe socket 10 x R 3/8 M x 1250 mm	12 108 00	x	x	x
Pipe socket 10 x R 3/8 M x 1500 mm	12 110 00	x	x	x
Pipe socket 10 x R 3/8 M x 1750 mm	12 113 00	x	x	x
Pipe socket 10 x R 3/8 M x 2000 mm	12 114 00	x	x	x

With pipe socket 400 mm long

	Part no.	I	II	Z
Pipe socket 8 x R 3/8 M x 1500 mm	12 103 40	x	x	x
Pipe socket 8 x R 3/8 M x 1750 mm	12 105 40	x	x	x
Pipe socket 8 x R 3/8 M x 2000 mm	12 106 40	x	x	x
Pipe socket 10 x R 3/8 M x 1250 mm	12 108 40	x	x	x
Pipe socket 10 x R 3/8 M x 1500 mm	12 110 40	x	x	x
Pipe socket 10 x R 3/8 M x 1750 mm	12 113 40	x	x	x
Pipe socket 10 x R 3/8 M x 2000 mm	12 114 40	x	x	x

Double spherical foot valve



Non-return valve according to EN 12514-2 in oil aspiration lines

Advantages and equipment

- With distance spring

Double spherical foot valve

	Part no.	I	II	Z
G 3/8 F	15 090 00	x	x	x
G 1/2 F	15 058 00	x	x	x
Compr. fit. 8	15 054 00	x	x	x
Compr. fit. 10	15 055 00	x	x	x

Reducer for oil tanks



Technical data

- Material: plastic

Reducer for oil tanks

	Part no.	I	II	Z
G 1 1/2 M x G 1 F	15 230 00	x	x	x
G 2 M x G 1 F	15 238 00	x	x	x
G 2 M x G 1 1/2 F	15 289 00	x	x	x

Withdrawal



Gland

Oil tank compression fitting for the bushing of a pipe

Technical data

- Material model 1 hole: steel
- Material model 2 holes: zinc die-casting ZP0410

Gland

1 hole

R 3/8 M x compr. fit.	6	15 109 00	x	x
R 1/2 M x compr. fit.	6	15 108 00	x	x
R 1 M x UA	8/10	15 110 10	x	x
R 1 M x compr. fit.	6	15 063 00	x	x
R 1 M x compr. fit.	8	15 113 00	x	x
R 1 M x compr. fit.	10	15 114 00	x	x
R 1 M x compr. fit.	12	15 115 00	x	x
R 1 M x compr. fit.	15	15 116 00	x	x
2 holes with return		15 100 10	x	x

R 1 M x UA 8/10

Part no.

I	II	Z
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Tank connector

For oil tanks for the bushing of one or two pipes or cables

Technical data

- Material: plastic

Note

- Not suitable for oil lines in Germany



Tank connector

1 hole

G 1 1/2 M x UA 6-10	15 141 00	x	x
G 2 M x UA 6-10	15 142 00	x	x

2 holes

G 1 1/2 M x UA 6-10	15 150 00	x	x
G 2 M x UA 6-10	15 151 00	x	x

Part no.

I	II	Z
---	----	---

Pipe system

Remark on quick-acting stop valves

The following quick-acting stop valves type V and V MS can also be supplied with an FKM seal or with a seal for use with oxygen. When ordering, please specify accordingly.

For these special versions, a 50% additional charge will be imposed on the gross price of the standard model.



Quick-acting stop valve

Quick-acting stop fitting, only in a fully open or closed position

Approval

- German ÜHP type approval according to building code list to EN 12514-2
- PS 16 bar



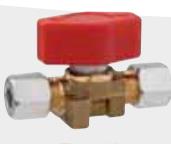
Type V



Type V



Type K



Type K

Quick-acting stop valve

Type V, brass chrome plated

Compr. fit. 6 x compr. fit. 6	03 201 00	x	x	x
Compr. fit. 8 x compr. fit. 8	03 202 00	x	x	x
Compr. fit. 10 x compr. fit. 10	03 204 00	x	x	x
Compr. fit. 12 x compr. fit. 8	03 209 00	x	x	x
Compr. fit. 12 x compr. fit. 12	03 207 00	x	x	x
Compr. fit. 15 x compr. fit. 15	03 208 00	x	x	x

Type V MS, brass bright

Compr. fit. 6 x compr. fit. 6	03 308 00	x	x	x
Compr. fit. 8 x compr. fit. 8	03 309 00	x	x	x
Compr. fit. 10 x compr. fit. 10	03 310 00	x	x	x
Compr. fit. 12 x compr. fit. 12	03 311 00	x	x	x
Compr. fit. 15 x compr. fit. 15	03 312 00	x	x	x

Type K, brass chrome plated

Compr. fit. 8 x compr. fit. 8	03 401 00	x	x	x
Compr. fit. 10 x compr. fit. 10	03 402 00	x	x	x
Compr. fit. 12 x compr. fit. 12	03 405 00	x	x	x
Compr. fit. 15 x compr. fit. 15	03 407 00	x	x	x

Type K MS, brass bright

Compr. fit. 8 x compr. fit. 8 with mounting bracket	03 403 00	x	x	x
Compr. fit. 10 x compr. fit. 8	03 403 10	x	x	x
Compr. fit. 10 x compr. fit. 10	03 404 00	x	x	x
Compr. fit. 12 x compr. fit. 12	03 406 00	x	x	x
Compr. fit. 15 x compr. fit. 15	03 408 00	x	x	x

Pipe system



Quick-acting stop valve

Quick-acting stop fitting, only in a fully open or closed position

Approval

- German ÜHP type approval according to building code list to EN 12514-2
- PS 16 bar



Type V



Type K

Quick-acting stop valve

Type VZ 8 - 8

Brass chrome plated

Pipe socket 8 x compr. fit. 8

Part no.

03 199 00

I
II
Z

x x x

Brass bright

Pipe socket 8 x compr. fit. 8

03 200 00

x x x

Type K 8 - Z 8

Brass chrome plated

Pipe socket 8 x compr. fit. 8

03 411 00

x x x

Brass bright

Pipe socket 8 x compr. fit. 8

03 410 00

x x x



Quick-acting stop valve

Quick-acting stop fitting, only in a fully open or closed position

Approval

- German ÜHP type approval according to building code list to EN 12514-2
- PS 16 bar



Quick-acting stop valve

Type V, brass chrome plated

Female thread x female thread

Rp 1/4 F x Rp 1/4 F

Rp 3/8 F x Rp 3/8 F

Male thread x male thread

R 1/4 M x R 1/4 M

R 1/2 M x R 1/2 M

Type V MS, brass bright

Female thread x female thread

Rp 1/4 F x Rp 1/4 F

Rp 3/8 F x Rp 3/8 F

Male thread x male thread

R 1/4 M x R 1/4 M

R 1/2 M x R 1/2 M

Part no.

03 268 00

x x x

03 211 00

x x x

03 269 00

x x x

03 270 00

x x x

03 313 00

x x x

03 314 00

x x x

03 272 00

x x x

03 316 00

x x x

Pipe system



Quick-acting branch stop valve type AV 8

Quick-acting stop fitting, only in a fully open or closed position

Approval

- German ÜHP type approval according to building code list to EN 12514-2
- PS 16 bar



Quick-acting branch stop valve type AV 8

Brass chrome plated

Compr. fit. 8 x compr. fit. 8 x compr. fit. 8

Part no.		I	II	Z
03 022 00		x	x	x
03 307 00		x	x	x

Brass bright

Compr. fit. 8 x compr. fit. 8 x compr. fit. 8



Two-way valve type VZW 8 PS 16 bar

For alternating withdrawal from two feed lines, both feed lines can be closed, only in a fully open or closed position

Approval

- DIN-DVGW-tested according to DIN 4817-1
- EC type test according to PED (Pressure Equipment Directive)
- German ÜHP type approval according to building code list to EN 12514-2



Two-way valve type VZW 8

Brass chrome plated

Compr. fit. 8 x compr. fit. 8 x compr. fit. 8

Part no.		I	II	Z
03 304 00		x	x	x
03 002 00		x	x	x

Brass bright

Compr. fit. 8 x compr. fit. 8 x compr. fit. 8



Changeover valve type UV PS 10 bar

For alternating withdrawal from two feed lines

Advantages and equipment

- Model 8 mm with reinforcement rings



Approval

- German ÜHP type approval according to building code list to EN 12514-2

Changeover valve type UV

Brass bright

Compr. fit. 8 x compr. fit. 8 x compr. fit. 8

Compr. fit. 10 x compr. fit. 10 x compr. fit. 10 without ÜHP

Part no.		I	II	Z
03 303 00		x	x	x
03 303 10		x	x	x

Pipe system



Quick-acting angle stop valve type VE

Quick-acting stop fitting, only in a fully open or closed position



Approval

- German ÜHP type approval according to building code list to EN 12514-2
- PS 16 bar

Technical data

- Material: brass chrome plated

Quick-acting angle stop valve type VE

Compression fitting x compression fitting

Compr. fit. 8 x compr. fit. 8

Part no.

03 218 00

I II Z

x x x

Compr. fit. 12 x compr. fit. 12

03 221 00

x x x

Male thread x compression fitting

R 3/8 M x compr. fit. 12

03 223 00

x x x

R 1/2 M x compr. fit. 12

03 224 00

x x x

Fastening clamp

For the fastening of a quick-acting stop valve and regulating valve



Part no.

03 230 00

I II Z

x x x

Technical data

- Material: chromed

Fastening clamp

17 mm, for 6, 8 and 10 mm valves

03 231 00

x x x

19 mm, for 12 mm valves



Shut-off valve type RV PS 16 bar

For the shut-off of flows

Approval

- German ÜHP type approval according to building code list to EN 12514-2



Technical data

- Material: brass bright

Shut-off valve type RV

Straight version

Compression fitting x compression fitting

Compr. fit. 6 x compr. fit. 6

02 230 00

x x x

Compr. fit. 8 x compr. fit. 8

02 231 00

x x x

Compr. fit. 10 x compr. fit. 10

02 232 00

x x x

Compr. fit. 12 x compr. fit. 12

02 233 00

x x x

Compr. fit. 15 x compr. fit. 15

02 234 00

x x x

Compr. fit. 18 x compr. fit. 18

02 235 00

x x x

Female thread x female thread

Rp 1/4 F x Rp 1/4 F

02 315 00

x x x

Rp 3/8 F x Rp 3/8 F

02 236 00

x x x

Rp 1/2 F x Rp 1/2 F

02 237 00

x x x

90° version

Compression fitting x compression fitting

Compr. fit. 8 x compr. fit. 8

02 316 00

x x x

Pipe system



Control valve PS 16 bar

For precise flow control

Technical data

- Material: brass bright

Control valve

Compr. fit. 8 x compr. fit. 8

Compr. fit. 10 x compr. fit. 10

Part no.		I	II	Z
02 324 00		x	x	x
02 325 00		x	x	x



Brass ball valve type 0270

Quick-acting stop fitting, only in a fully open or closed position

Advantages and equipment

- With PTFE gasket

Approval

• German ÜHP type approval according to building code list to EN 12514-2

• PS 16 bar

Technical data

- Material: brass nickel plated

Note

• For the use of screw-in connectors, we recommend the GERB version with an inserted O-ring, as the female thread of the ball valves

02 701 00, 02 702 00 and 02 703 00 has been grooved!



Brass ball valve type 0270

Female thread x female thread

Rp 1/4 F x Rp 1/4 F

Rp 3/8 F x Rp 3/8 F

Rp 1/2 F x Rp 1/2 F

Rp 3/4 F x Rp 3/4 F



Compression fitting x compression fitting

Compr. fit. 8 x compr. fit. 8

Compr. fit. 12 x compr. fit. 12

Compr. fit. 15 x compr. fit. 15

Compr. fit. 18 x compr. fit. 18

Compr. fit. 22 x compr. fit. 22

With brass olive for copper pipes

Compr. fit. 6 x compr. fit. 10

Compr. fit. 10 x compr. fit. 10

Accessories

O-ring NBR for part no. 02 701 00 (14.0 x 2.7 mm)

O-ring NBR for part no. 02 702 00 (17.86 x 2.62 mm)

O-ring NBR for part no. 02 703 00 (23.4 x 3.53 mm)

Part no.		I	II	Z
02 700 00		x	x	x
02 701 00		x	x	x
02 702 00		x	x	x
02 703 00		x	x	x
02 700 01		x	x	x
02 701 01		x	x	x
02 702 01		x	x	x
02 702 02		x	x	x
02 703 01		x	x	x
02 701 16		x	x	x
02 701 10		x	x	x
25 520 85		x	x	x
25 520 76		x	x	x
25 520 77		x	x	x

Pipe system

Remark on compression fittings

For the correct selection and assembly of compression fittings, please observe the GOK assembly instructions (under www.gok-online.de in the chapter "Service") and the compression fitting and screw-in connectors data sheets.

When assembling a compression fitting on a copper or aluminium pipe, it is essential to use a reinforcement ring! For aluminium pipes, use a steel reinforcement ring! All compression fittings are DVGW-tested.



Straight compression fitting type G

EN ISO 8434-1 - SC



Straight compression fitting type G

With steel olive for steel pipes

Compr. fit. 4 x compr. fit. 4	type LL	07 848 00	x	x	x
Compr. fit. 6 x compr. fit. 6	type L	07 701 00	x	x	x
Compr. fit. 8 x compr. fit. 8	type L	07 702 00	x	x	x
Compr. fit. 10 x compr. fit. 10	type L	07 703 00	x	x	x
Compr. fit. 12 x compr. fit. 12	type L	07 704 00	x	x	x
Compr. fit. 15 x compr. fit. 15	type L	07 705 00	x	x	x
Compr. fit. 16 x compr. fit. 16	type S	07 861 00	x	x	x
Compr. fit. 18 x compr. fit. 18	type L	07 706 00	x	x	x
Compr. fit. 22 x compr. fit. 22	type L	07 001 00	x	x	x
Compr. fit. 28 x compr. fit. 28	type L	07 894 00	x	x	x

With brass olive for copper pipes

Compr. fit. 6 x compr. fit. 6	type L	07 701 06	x	x	x
Compr. fit. 8 x compr. fit. 8	type L	07 702 06	x	x	x
Compr. fit. 10 x compr. fit. 10	type L	07 703 06	x	x	x
Compr. fit. 12 x compr. fit. 12	type L	07 704 06	x	x	x
Compr. fit. 15 x compr. fit. 15	type L	07 705 06	x	x	x
Compr. fit. 18 x compr. fit. 18	type L	07 706 06	x	x	x
Compr. fit. 22 x compr. fit. 22	type L	07 001 06	x	x	x



Elbow compression fitting type W

EN ISO 8434-1 - EC



Elbow compression fitting type W

With steel olive for steel pipes

Compr. fit. 4 x compr. fit. 4	type LL	07 849 00	x	x	x
Compr. fit. 6 x compr. fit. 6	type L	07 707 00	x	x	x
Compr. fit. 8 x compr. fit. 8	type L	07 708 00	x	x	x
Compr. fit. 10 x compr. fit. 10	type L	07 709 00	x	x	x
Compr. fit. 12 x compr. fit. 12	type L	07 710 00	x	x	x
Compr. fit. 15 x compr. fit. 15	type L	07 711 00	x	x	x
Compr. fit. 16 x compr. fit. 16	type S	07 863 00	x	x	x
Compr. fit. 18 x compr. fit. 18	type L	07 712 00	x	x	x
Compr. fit. 22 x compr. fit. 22	type L	07 002 00	x	x	x
Compr. fit. 28 x compr. fit. 28	type L	07 895 00	x	x	x

With brass olive for copper pipes

Compr. fit. 6 x compr. fit. 6	type L	07 707 06	x	x	x
Compr. fit. 8 x compr. fit. 8	type L	07 708 06	x	x	x
Compr. fit. 10 x compr. fit. 10	type L	07 709 06	x	x	x
Compr. fit. 12 x compr. fit. 12	type L	07 710 06	x	x	x
Compr. fit. 15 x compr. fit. 15	type L	07 711 06	x	x	x
Compr. fit. 18 x compr. fit. 18	type L	07 712 06	x	x	x
Compr. fit. 22 x compr. fit. 22	type L	07 002 06	x	x	x

Product suitable for: Single conduit systems
 Double conduit systems
 Central oil supply

Pipe system



T-shape compression fitting type T

EN ISO 8434-1 - TC

T-shape compression fitting type T

With steel olive for steel pipes

Compr. fit. 4 x compr. fit. 4 x compr. fit. 4 type LL	07 846 00	x	x	x
Compr. fit. 6 x compr. fit. 6 x compr. fit. 6 type L	07 713 00	x	x	x
Compr. fit. 8 x compr. fit. 8 x compr. fit. 8 type L	07 714 00	x	x	x
Compr. fit. 10 x compr. fit. 10 x compr. fit. 10 type L	07 715 00	x	x	x
Compr. fit. 12 x compr. fit. 12 x compr. fit. 12 type L	07 716 00	x	x	x
Compr. fit. 15 x compr. fit. 15 x compr. fit. 15 type L	07 717 00	x	x	x
Compr. fit. 18 x compr. fit. 18 x compr. fit. 18 type L	07 718 00	x	x	x
Compr. fit. 22 x compr. fit. 22 x compr. fit. 22 type L	07 003 00	x	x	x
Compr. fit. 28 x compr. fit. 28 x compr. fit. 28 type L	07 897 00	x	x	x

With brass olive for copper pipes

Compr. fit. 6 x compr. fit. 6 x compr. fit. 6 type L	07 713 06	x	x	x
Compr. fit. 8 x compr. fit. 8 x compr. fit. 8 type L	07 714 06	x	x	x
Compr. fit. 10 x compr. fit. 10 x compr. fit. 10 type L	07 715 06	x	x	x
Compr. fit. 12 x compr. fit. 12 x compr. fit. 12 type L	07 716 06	x	x	x
Compr. fit. 15 x compr. fit. 15 x compr. fit. 15 type L	07 717 06	x	x	x
Compr. fit. 18 x compr. fit. 18 x compr. fit. 18 type L	07 718 06	x	x	x
Compr. fit. 22 x compr. fit. 22 x compr. fit. 22 type L	07 003 06	x	x	x



Cross compression fitting type K

EN ISO 8434-1 - KC

Cross compression fitting type K

With steel olive for steel pipes

Compr. fit. 8 x compr. fit. 8 x compr. fit. 8 type L	07 720 00	x	x	x
Compr. fit. 10 x compr. fit. 10 x compr. fit. 10 type L	07 721 00	x	x	x
Compr. fit. 12 x compr. fit. 12 x compr. fit. 12 type L	07 722 00	x	x	x
Compr. fit. 15 x compr. fit. 15 x compr. fit. 15 type L	07 723 00	x	x	x
Compr. fit. 18 x compr. fit. 18 x compr. fit. 18 type L	07 724 00	x	x	x

With brass olive for copper pipes

Compr. fit. 8 x compr. fit. 8 x compr. fit. 8 type L	07 720 06	x	x	x
Compr. fit. 10 x compr. fit. 10 x compr. fit. 10 type L	07 721 06	x	x	x
Compr. fit. 12 x compr. fit. 12 x compr. fit. 12 type L	07 722 06	x	x	x
Compr. fit. 15 x compr. fit. 15 x compr. fit. 15 type L	07 723 06	x	x	x
Compr. fit. 18 x compr. fit. 18 x compr. fit. 18 type L	07 724 06	x	x	x

Pipe system



Straight reducing compression fitting type GR

EN ISO 8434-1 - RDSC

Straight reducing compression fitting type GR

With steel olive for steel pipes

Compr. fit. 8 x compr. fit. 6 type L	07 725 00	x	x	x
Compr. fit. 10 x compr. fit. 6 type L	07 726 00	x	x	x
Compr. fit. 10 x compr. fit. 8 type L	07 727 00	x	x	x
Compr. fit. 12 x compr. fit. 6 type L	07 811 00	x	x	x
Compr. fit. 12 x compr. fit. 8 type L	07 728 00	x	x	x
Compr. fit. 12 x compr. fit. 10 type L	07 730 00	x	x	x
Compr. fit. 15 x compr. fit. 8 type L	07 729 00	x	x	x
Compr. fit. 15 x compr. fit. 10 type L	07 005 00	x	x	x
Compr. fit. 15 x compr. fit. 12 type L	07 731 00	x	x	x
Compr. fit. 18 x compr. fit. 8 type L	07 006 00	x	x	x
Compr. fit. 18 x compr. fit. 12 type L	07 732 00	x	x	x
Compr. fit. 18 x compr. fit. 15 type L	07 733 00	x	x	x
Compr. fit. 22 x compr. fit. 15 type L	07 009 00	x	x	x
Compr. fit. 22 x compr. fit. 18 type L	07 010 00	x	x	x
Compr. fit. 28 x compr. fit. 22 type L	07 834 00	x	x	x

With brass olive for copper pipes

Compr. fit. 8 x compr. fit. 6 type L	07 725 06	x	x	x
Compr. fit. 10 x compr. fit. 6 type L	07 726 06	x	x	x
Compr. fit. 10 x compr. fit. 8 type L	07 727 06	x	x	x
Compr. fit. 12 x compr. fit. 6 type L	07 811 06	x	x	x
Compr. fit. 12 x compr. fit. 8 type L	07 728 06	x	x	x
Compr. fit. 12 x compr. fit. 10 type L	07 730 06	x	x	x
Compr. fit. 15 x compr. fit. 8 type L	07 729 06	x	x	x
Compr. fit. 15 x compr. fit. 10 type L	07 005 06	x	x	x
Compr. fit. 15 x compr. fit. 12 type L	07 731 06	x	x	x
Compr. fit. 18 x compr. fit. 12 type L	07 732 06	x	x	x
Compr. fit. 18 x compr. fit. 15 type L	07 733 06	x	x	x

Pipe system



T-shape reducing compression fitting type TR

EN ISO 8434-1 - RDBTC or RDRTC

T-shape reducing compression fitting type TR

With steel olive for steel pipes

		Part no.	I	II	Z
Compr. fit. 8 x compr. fit. 6 x compr. fit. 8	type L	07 019 00	x	x	x
Compr. fit. 8 x compr. fit. 10 x compr. fit. 8	type L	07 748 00	x	x	x
Compr. fit. 8 x compr. fit. 12 x compr. fit. 8	type L	07 742 00	x	x	x
Compr. fit. 8 x compr. fit. 15 x compr. fit. 8	type L	07 755 00	x	x	x
Compr. fit. 10 x compr. fit. 8 x compr. fit. 8	type L	07 749 00	x	x	x
Compr. fit. 10 x compr. fit. 8 x compr. fit. 10	type L	07 763 00	x	x	x
Compr. fit. 10 x compr. fit. 10 x compr. fit. 8	type L	07 750 00	x	x	x
Compr. fit. 12 x compr. fit. 8 x compr. fit. 8	type L	07 743 00	x	x	x
Compr. fit. 12 x compr. fit. 8 x compr. fit. 12	type L	07 740 00	x	x	x
Compr. fit. 12 x compr. fit. 10 x compr. fit. 10	type L	07 747 00	x	x	x
Compr. fit. 12 x compr. fit. 10 x compr. fit. 12	type L	07 744 00	x	x	x
Compr. fit. 12 x compr. fit. 12 x compr. fit. 8	type L	07 741 00	x	x	x
Compr. fit. 12 x compr. fit. 15 x compr. fit. 12	type L	07 759 00	x	x	x
Compr. fit. 15 x compr. fit. 8 x compr. fit. 8	type L	07 756 00	x	x	x
Compr. fit. 15 x compr. fit. 8 x compr. fit. 15	type L	07 753 00	x	x	x
Compr. fit. 15 x compr. fit. 12 x compr. fit. 12	type L	07 760 00	x	x	x
Compr. fit. 15 x compr. fit. 12 x compr. fit. 15	type L	07 757 00	x	x	x
Compr. fit. 15 x compr. fit. 15 x compr. fit. 12	type L	07 758 00	x	x	x
Compr. fit. 18 x compr. fit. 12 x compr. fit. 12	type L	07 028 00	x	x	x
Compr. fit. 18 x compr. fit. 12 x compr. fit. 18	type L	07 761 00	x	x	x
Compr. fit. 18 x compr. fit. 15 x compr. fit. 18	type L	07 762 00	x	x	x
Compr. fit. 18 x compr. fit. 18 x compr. fit. 15	type L	07 029 00	x	x	x
Compr. fit. 22 x compr. fit. 12 x compr. fit. 22	type L	07 822 00	x	x	x
Compr. fit. 22 x compr. fit. 15 x compr. fit. 22	type L	07 819 00	x	x	x
Compr. fit. 22 x compr. fit. 18 x compr. fit. 22	type L	07 821 00	x	x	x

With brass olive for copper pipes

		Part no.	I	II	Z
Compr. fit. 8 x compr. fit. 6 x compr. fit. 8	type L	07 019 06	x	x	x
Compr. fit. 8 x compr. fit. 10 x compr. fit. 8	type L	07 748 06	x	x	x
Compr. fit. 8 x compr. fit. 12 x compr. fit. 8	type L	07 742 06	x	x	x
Compr. fit. 10 x compr. fit. 8 x compr. fit. 8	type L	07 749 06	x	x	x
Compr. fit. 10 x compr. fit. 8 x compr. fit. 10	type L	07 763 06	x	x	x
Compr. fit. 12 x compr. fit. 8 x compr. fit. 12	type L	07 740 06	x	x	x
Compr. fit. 12 x compr. fit. 10 x compr. fit. 12	type L	07 744 06	x	x	x
Compr. fit. 12 x compr. fit. 12 x compr. fit. 8	type L	07 741 06	x	x	x
Compr. fit. 15 x compr. fit. 8 x compr. fit. 15	type L	07 753 06	x	x	x
Compr. fit. 15 x compr. fit. 12 x compr. fit. 15	type L	07 757 06	x	x	x
Compr. fit. 18 x compr. fit. 12 x compr. fit. 18	type L	07 761 06	x	x	x
Compr. fit. 18 x compr. fit. 15 x compr. fit. 18	type L	07 762 06	x	x	x

Pipe system



Elbow reducing compression fitting type WR

EN ISO 8434-1 - RDEC



Elbow reducing compression fitting type WR

With steel olive for steel pipes

Compr. fit. 10 x compr. fit. 8 type L	07 734 00	x	x	x
Compr. fit. 12 x compr. fit. 8 type L	07 735 00	x	x	x
Compr. fit. 12 x compr. fit. 10 type L	07 736 00	x	x	x
Compr. fit. 15 x compr. fit. 8 type L	07 737 00	x	x	x
Compr. fit. 15 x compr. fit. 12 type L	07 738 00	x	x	x
Compr. fit. 18 x compr. fit. 12 type L	07 739 00	x	x	x
Compr. fit. 18 x compr. fit. 15 type L	07 013 00	x	x	x
Compr. fit. 22 x compr. fit. 15 type L	07 016 00	x	x	x
Compr. fit. 22 x compr. fit. 18 type L	07 017 00	x	x	x

With brass olive for copper pipes

Compr. fit. 10 x compr. fit. 8 type L	07 734 06	x	x	x
Compr. fit. 12 x compr. fit. 8 type L	07 735 06	x	x	x
Compr. fit. 12 x compr. fit. 10 type L	07 736 06	x	x	x
Compr. fit. 15 x compr. fit. 12 type L	07 738 06	x	x	x



Straight screw-in compr. fitting parallel thread type GERD

DIN 2353 - form D with screwed plug DIN 3852-11 form E, EN ISO 8434-1 - SDSC with screwed plug EN ISO 1179-2 form E



Technical data

- Screw-in thread with NBR profile sealing for a counterpiece with flat surface

Straight screw-in compression fitting parallel thread type GERD

With steel olive for steel pipes

Compr. fit. 6 x G 1/8 M type L	07 250 00	x	x	x
Compr. fit. 8 x G 1/4 M type L	07 251 00	x	x	x
Compr. fit. 8 x G 3/8 M type L	07 252 00	x	x	x
Compr. fit. 10 x G 1/4 M type L	07 253 00	x	x	x
Compr. fit. 10 x G 3/8 M type L	07 254 00	x	x	x
Compr. fit. 12 x G 3/8 M type L	07 255 00	x	x	x
Compr. fit. 15 x G 1/2 M type L	07 257 00	x	x	x
Compr. fit. 18 x G 1/2 M type L	07 258 00	x	x	x
Compr. fit. 22 x G 3/4 M type L	07 259 00	x	x	x
Compr. fit. 28 x G 1 M type L	07 260 00	x	x	x

With brass olive for copper pipes

Compr. fit. 8 x G 3/8 M type L	07 252 06	x	x	x
Compr. fit. 10 x G 3/8 M type L	07 254 06	x	x	x
Compr. fit. 12 x G 3/8 M type L	07 255 06	x	x	x

Pipe system



Straight screw-in compr. fitting conical thread type GOK

DIN 2353 - form B with screwed plug DIN 3852-2 form C

Straight screw-in compression fitting conical thread type GOK

With steel olive for steel pipes

	Part no.	I	II	Z
Compr. fit. 4 x R 1/8 M type LL	07 844 00	x	x	x
Compr. fit. 4 x R 1/4 M type LL	07 868 00	x	x	x
Compr. fit. 6 x R 1/8 M type L	07 788 00	x	x	x
Compr. fit. 6 x R 1/4 M type L	07 789 00	x	x	x
Compr. fit. 6 x R 3/8 M type L	07 791 00	x	x	x
Compr. fit. 8 x R 1/8 M type LL	07 092 00	x	x	x
Compr. fit. 8 x R 1/8 M type L	07 800 00	x	x	x
Compr. fit. 8 x R 1/4 M type L	07 792 00	x	x	x
Compr. fit. 8 x R 3/8 M type L	07 793 00	x	x	x
Compr. fit. 8 x R 1/2 M type L	07 794 00	x	x	x
Compr. fit. 10 x R 1/4 M type L	07 795 00	x	x	x
Compr. fit. 10 x R 3/8 M type L	07 796 00	x	x	x
Compr. fit. 10 x R 1/2 M type L	07 797 00	x	x	x
Compr. fit. 12 x R 1/4 M type L	07 798 00	x	x	x
Compr. fit. 12 x R 3/8 M type L	07 799 00	x	x	x
Compr. fit. 12 x R 1/2 M type L	07 030 00	x	x	x
Compr. fit. 15 x R 3/8 M type L	07 031 00	x	x	x
Compr. fit. 15 x R 1/2 M type L	07 032 00	x	x	x
Compr. fit. 18 x R 1/2 M type L	07 033 00	x	x	x
Compr. fit. 22 x R 3/4 M type L	07 034 00	x	x	x

With brass olive for copper pipes

Compr. fit. 6 x R 1/8 M type L	07 788 06	x	x	x
Compr. fit. 6 x R 1/4 M type L	07 789 06	x	x	x
Compr. fit. 6 x R 3/8 M type L	07 791 06	x	x	x
Compr. fit. 8 x R 1/8 M type L	07 800 06	x	x	x
Compr. fit. 8 x R 1/4 M type L	07 792 06	x	x	x
Compr. fit. 8 x R 3/8 M type L	07 793 06	x	x	x
Compr. fit. 8 x R 1/2 M type L	07 794 06	x	x	x
Compr. fit. 10 x R 1/4 M type L	07 795 06	x	x	x
Compr. fit. 10 x R 3/8 M type L	07 796 06	x	x	x
Compr. fit. 10 x R 1/2 M type L	07 797 06	x	x	x
Compr. fit. 12 x R 1/4 M type L	07 798 06	x	x	x
Compr. fit. 12 x R 3/8 M type L	07 799 06	x	x	x
Compr. fit. 12 x R 1/2 M type L	07 030 06	x	x	x
Compr. fit. 15 x R 3/8 M type L	07 031 06	x	x	x
Compr. fit. 15 x R 1/2 M type L	07 032 06	x	x	x
Compr. fit. 18 x R 1/2 M type L	07 033 06	x	x	x
Compr. fit. 22 x R 3/4 M type L	07 034 06	x	x	x

Pipe system



Straight screw-in compr. fitting parallel thread type GERB

DIN 2353 - form D with screwed plug DIN 3852-2 form B, EN ISO 8434-1 - SDSC with screwed plug EN ISO 1179-4 form B

Technical data

- Screw-in thread with metallic sealing edge for a counter piece with flat surface

Note

- Also see straight screw-in compression fitting short version type GERB (e.g. part no. 13 063 05).

Straight screw-in compression fitting parallel thread type GERB

With steel olive for steel pipes

Compr. fit. 6 x G 1/8 M type L	07 035 00	x	x	x
Compr. fit. 6 x G 1/4 M type L	07 081 00	x	x	x
Compr. fit. 6 x G 3/8 M type L	07 082 00	x	x	x
Compr. fit. 8 x G 1/4 M type L	07 036 00	x	x	x
Compr. fit. 8 x G 3/8 M type L	07 077 00	x	x	x
Compr. fit. 8 x G 1/2 M type L	07 078 00	x	x	x
Compr. fit. 10 x G 1/4 M type L	07 037 00	x	x	x
Compr. fit. 10 x G 3/8 M type L	07 038 00	x	x	x
Compr. fit. 10 x G 1/2 M type L	07 088 00	x	x	x
Compr. fit. 12 x G 1/4 M type L	07 079 00	x	x	x
Compr. fit. 12 x G 3/8 M type L	07 039 00	x	x	x
Compr. fit. 12 x G 1/2 M type L	07 080 00	x	x	x
Compr. fit. 12 x G 3/4 M type L	07 083 00	x	x	x
Compr. fit. 15 x G 1/4 M type L	07 076 00	x	x	x
Compr. fit. 15 x G 3/8 M type L	07 098 00	x	x	x
Compr. fit. 15 x G 1/2 M type L	07 040 00	x	x	x
Compr. fit. 15 x G 3/4 M type L	07 097 00	x	x	x
Compr. fit. 16 x G 1/2 M type S	07 862 00	x	x	x
Compr. fit. 18 x G 3/8 M type L	07 099 00	x	x	x
Compr. fit. 18 x G 1/2 M type L	07 084 00	x	x	x
Compr. fit. 18 x G 3/4 M type L	07 096 00	x	x	x
Compr. fit. 22 x G 1/2 M type L	07 091 00	x	x	x
Compr. fit. 22 x G 3/4 M type L	07 095 00	x	x	x
Compr. fit. 28 x G 1 M type L	07 896 00	x	x	x

With brass olive for copper pipes

Compr. fit. 6 x G 1/8 M type L	07 035 06	x	x	x
Compr. fit. 6 x G 3/8 M type L	07 082 06	x	x	x
Compr. fit. 8 x G 1/4 M type L	07 036 06	x	x	x
Compr. fit. 8 x G 3/8 M type L	07 077 06	x	x	x
Compr. fit. 8 x G 1/2 M type L	07 078 06	x	x	x
Compr. fit. 10 x G 1/4 M type L	07 037 06	x	x	x
Compr. fit. 10 x G 3/8 M type L	07 038 06	x	x	x
Compr. fit. 10 x G 1/2 M type L	07 088 06	x	x	x
Compr. fit. 12 x G 1/4 M type L	07 079 06	x	x	x
Compr. fit. 12 x G 3/8 M type L	07 039 06	x	x	x
Compr. fit. 12 x G 1/2 M type L	07 080 06	x	x	x
Compr. fit. 15 x G 1/2 M type L	07 040 06	x	x	x
Compr. fit. 18 x G 1/2 M type L	07 084 06	x	x	x
Compr. fit. 18 x G 3/4 M type L	07 096 06	x	x	x

Pipe system



Straight screw-in compr. fitting parallel thread type GERA

DIN 2353 - form D with screwed plug DIN 3852-2 - form A, according to prEN 12514-4: 2009 annex C, always use sealing rings according to DIN 7606 and prEN 12514-4: 2009 annex C

Technical data

- Screw-in thread to be used with sealing ring for a counterpiece with flat sealing surface



Straight screw-in compression fitting parallel thread type GERA

With steel olive for steel pipes

Compr. fit. 6 x G 1/8 M type L	07 440 00	x	x	x
Compr. fit. 8 x G 1/4 M type L	07 443 00	x	x	x
Compr. fit. 10 x G 1/4 M type L	07 446 00	x	x	x
Compr. fit. 10 x G 3/8 M type L	07 447 00	x	x	x
Compr. fit. 12 x G 3/8 M type L	07 450 00	x	x	x
Compr. fit. 15 x G 1/2 M type L	07 453 00	x	x	x
Compr. fit. 18 x G 1/2 M type L	07 456 00	x	x	x



Accessories

Sealing ring type DRM

Material: aluminum

For G 1/8 OD 13.5 mm, ID 10.0 mm, d 1.0 mm	07 950 00	x	x	x
For G 1/4 OD 18.0 mm, ID 14.0 mm, d 1.5 mm	07 951 00	x	x	x
For G 3/8 OD 22.0 mm, ID 18.0 mm, d 1.5 mm	07 952 00	x	x	x
For G 1/2 OD 26.0 mm, ID 21.0 mm, d 1.5 mm	07 953 00	x	x	x
For G 3/4 OD 32.0 mm, ID 27.0 mm, d 2.0 mm	07 954 00	x	x	x



Material: copper

For G 1/8 OD 13.5 mm, ID 10.0 mm, d 1.0 mm	07 950 06	x	x	x
For G 1/4 OD 18.0 mm, ID 14.0 mm, d 1.5 mm	07 951 06	x	x	x
For G 3/8 OD 22.0 mm, ID 18.0 mm, d 1.5 mm	07 952 06	x	x	x
For G 1/2 OD 26.0 mm, ID 21.0 mm, d 1.5 mm	07 953 06	x	x	x



Straight screw-in compression fitting NPT type GENPT

DIN 2353 - form B accordingly with screwed plug with NPT male threads according to DIN 3866



Straight screw-in compression fitting NPT type GENPT

With steel olive for steel pipes

Compr. fit. 6 x 1/8 NPT M type L	07 041 00	x	x	x
Compr. fit. 8 x 1/4 NPT M type L	07 042 00	x	x	x
Compr. fit. 10 x 1/4 NPT M type L	07 043 00	x	x	x
Compr. fit. 10 x 3/8 NPT M type L	07 044 00	x	x	x
Compr. fit. 12 x 1/4 NPT M type L	07 802 00	x	x	x
Compr. fit. 12 x 3/8 NPT M type L	07 045 00	x	x	x
Compr. fit. 12 x 1/2 NPT M type L	07 046 00	x	x	x
Compr. fit. 15 x 1/2 NPT M type L	07 814 00	x	x	x
Compr. fit. 18 x 1/2 NPT M type L	07 815 00	x	x	x
Compr. fit. 22 x 3/4 NPT M type L	07 804 00	x	x	x
Compr. fit. 28 x 1 NPT M type L	07 892 00	x	x	x

With brass olive for copper pipes

Compr. fit. 6 x 1/8 NPT M type L	07 041 06	x	x	x
Compr. fit. 8 x 1/4 NPT M type L	07 042 06	x	x	x
Compr. fit. 10 x 1/4 NPT M type L	07 043 06	x	x	x

Pipe system



Straight screw-in socket parallel thread type GERS

On one end pipe socket with outer diameter and screwed plug
DIN 3852-2 - form B or EN ISO 1179-4 form B on the other end

Technical data

- Screw-in thread with metallic sealing edge for a counterpiece with flat surface

Straight screw-in socket parallel thread type GERS

		Part no.	I	II	Z
Pipe socket 6 x G 1/8 M	type L	07 911 00	x	x	x
Pipe socket 8 x G 1/4 M	type L	07 912 00	x	x	x
Pipe socket 10 x G 1/4 M	type L	07 913 00	x	x	x
Pipe socket 12 x G 3/8 M	type L	07 914 00	x	x	x
Pipe socket 15 x G 1/2 M	type L	PS 100 bar 07 916 00	x	x	x
Pipe socket 18 x G 1/2 M	type L	07 917 00	x	x	x
Pipe socket 22 x G 3/4 M	type L	07 918 00	x	x	x



Pipe system



Elbow screw-in compression fitting conical type WERK

DIN 2353 - form G with screwed plug DIN 3852-2 - form C

Elbow screw-in compression fitting conical type WERK

With steel olive for steel pipes

Compr. fit. 4 x R 1/8 M type LL	07 845 00	x	x	x
Compr. fit. 6 x R 1/8 M type L	07 047 00	x	x	x
Compr. fit. 6 x R 1/4 M type L	07 048 00	x	x	x
Compr. fit. 8 x R 1/8 M type L	07 089 00	x	x	x
Compr. fit. 8 x R 1/4 M type L	07 049 00	x	x	x
Compr. fit. 8 x R 3/8 M type L	07 050 00	x	x	x
Compr. fit. 8 x R 1/2 M type L	07 051 00	x	x	x
Compr. fit. 10 x R 1/4 M type L	07 052 00	x	x	x
Compr. fit. 10 x R 3/8 M type L	07 053 00	x	x	x
Compr. fit. 10 x R 1/2 M type L	07 054 00	x	x	x
Compr. fit. 12 x R 1/4 M type L	07 055 00	x	x	x
Compr. fit. 12 x R 3/8 M type L	07 056 00	x	x	x
Compr. fit. 12 x R 1/2 M type L	07 057 00	x	x	x
Compr. fit. 15 x R 3/8 M type L	07 058 00	x	x	x
Compr. fit. 15 x R 1/2 M type L	07 059 00	x	x	x
Compr. fit. 18 x R 1/2 M type L	07 060 00	x	x	x
Compr. fit. 22 x R 3/4 M type L	07 061 00	x	x	x

With brass olive for copper pipes

Compr. fit. 6 x R 1/8 M type L	07 047 06	x	x	x
Compr. fit. 6 x R 1/4 M type L	07 048 06	x	x	x
Compr. fit. 8 x R 1/8 M type L	07 089 06	x	x	x
Compr. fit. 8 x R 1/4 M type L	07 049 06	x	x	x
Compr. fit. 8 x R 3/8 M type L	07 050 06	x	x	x
Compr. fit. 8 x R 1/2 M type L	07 051 06	x	x	x
Compr. fit. 10 x R 1/4 M type L	07 052 06	x	x	x
Compr. fit. 10 x R 3/8 M type L	07 053 06	x	x	x
Compr. fit. 10 x R 1/2 M type L	07 054 06	x	x	x
Compr. fit. 12 x R 1/4 M type L	07 055 06	x	x	x
Compr. fit. 12 x R 3/8 M type L	07 056 06	x	x	x
Compr. fit. 12 x R 1/2 M type L	07 057 06	x	x	x
Compr. fit. 15 x R 3/8 M type L	07 058 06	x	x	x
Compr. fit. 15 x R 1/2 M type L	07 059 06	x	x	x
Compr. fit. 18 x R 1/2 M type L	07 060 06	x	x	x
Compr. fit. 22 x R 3/4 M type L	07 061 06	x	x	x



Elbow screw-in compression fitting NPT type WENPT

DIN 2353 - form G accordingly with screwed plug with NPT male thread according to DIN 3866

Elbow screw-in compression fitting NPT type WENPT

With steel olive for steel pipes

Compr. fit. 8 x 1/4 NPT M type L	07 063 00	x	x	x
Compr. fit. 8 x 1/4 NPT M type L	07 063 06	x	x	x

With brass olive for copper pipes

Compr. fit. 8 x 1/4 NPT M type L	07 063 06	x	x	x
Compr. fit. 8 x 1/4 NPT M type L	07 063 06	x	x	x

Pipe system



Screw-in compression fitting conical type TERK

DIN 2353 - form N with conical screwed plug DIN 3852-2 - form C

Screw-in compression fitting conical type TERK

With steel olive for steel pipes

Compr. fit. 6 x R 1/4 M x compr. fit. 6 type L

	Part no.	I	II	Z
Compr. fit. 6 x R 1/4 M x compr. fit. 6 type L	07 067 00	x	x	x
Compr. fit. 8 x R 1/4 M x compr. fit. 8 type L	07 068 00	x	x	x
Compr. fit. 10 x R 1/4 M x compr. fit. 10 type L	07 069 00	x	x	x
Compr. fit. 6 x R 1/4 M x compr. fit. 6 type L	07 067 06	x	x	x
Compr. fit. 8 x R 1/4 M x compr. fit. 8 type L	07 068 06	x	x	x
Compr. fit. 10 x R 1/4 M x compr. fit. 10 type L	07 069 06	x	x	x

With brass olive for copper pipes

Compr. fit. 6 x R 1/4 M x compr. fit. 6 type L

Compr. fit. 8 x R 1/4 M x compr. fit. 8 type L

Compr. fit. 10 x R 1/4 M x compr. fit. 10 type L



Straight screw-on compression fitting type GAI

One end compression fitting, other end female pipe thread screw plug hole

DIN 3852-2 - form Y, without counterbore

Straight screw-on compression fitting type GAI

With steel olive for steel pipes

Compr. fit. 6 x G 1/8 F type L

	Part no.	I	II	Z
Compr. fit. 6 x G 1/8 F type L	07 764 00	x	x	x
Compr. fit. 6 x G 1/4 F type L	07 765 00	x	x	x
Compr. fit. 8 x G 1/4 F type L	07 766 00	x	x	x
Compr. fit. 8 x G 3/8 F type L	07 767 00	x	x	x
Compr. fit. 8 x G 1/2 F type L	07 768 00	x	x	x
Compr. fit. 10 x G 1/4 F type L	07 769 00	x	x	x
Compr. fit. 10 x G 3/8 F type L	07 774 00	x	x	x
Compr. fit. 10 x G 1/2 F type L	07 775 00	x	x	x
Compr. fit. 12 x G 1/4 F type L	07 101 00	x	x	x
Compr. fit. 12 x G 3/8 F type L	07 770 00	x	x	x
Compr. fit. 12 x G 1/2 F type L	07 771 00	x	x	x
Compr. fit. 15 x G 3/8 F type L	07 772 00	x	x	x
Compr. fit. 15 x G 1/2 F type L	07 773 00	x	x	x
Compr. fit. 18 x G 1/2 F type L	07 102 00	x	x	x
Compr. fit. 22 x G 3/4 F type L	07 103 00	x	x	x

With brass olive for copper pipes

Compr. fit. 6 x G 1/8 F type L

	Part no.	I	II	Z
Compr. fit. 6 x G 1/8 F type L	07 764 06	x	x	x
Compr. fit. 6 x G 1/4 F type L	07 765 06	x	x	x
Compr. fit. 8 x G 1/4 F type L	07 766 06	x	x	x
Compr. fit. 8 x G 3/8 F type L	07 767 06	x	x	x
Compr. fit. 8 x G 1/2 F type L	07 768 06	x	x	x
Compr. fit. 10 x G 1/4 F type L	07 769 06	x	x	x
Compr. fit. 10 x G 3/8 F type L	07 774 06	x	x	x
Compr. fit. 10 x G 1/2 F type L	07 775 06	x	x	x
Compr. fit. 12 x G 1/4 F type L	07 101 06	x	x	x
Compr. fit. 12 x G 3/8 F type L	07 770 06	x	x	x
Compr. fit. 12 x G 1/2 F type L	07 771 06	x	x	x
Compr. fit. 15 x G 3/8 F type L	07 772 06	x	x	x
Compr. fit. 15 x G 1/2 F type L	07 773 06	x	x	x

Pipe system



Elbow screw-on compression fitting type WAI

One end female pipe thread screw plug hole DIN 3852-2 - form Y without counterbore, other end compression fitting

Elbow screw-on compression fitting type WAI

With steel olive for steel pipes

G 1/4 F x compr. fit. 8	type L	07 778 00	x	x	x
G 3/8 F x compr. fit. 8	type L	07 779 00	x	x	x
G 1/2 F x compr. fit. 8	type L	07 780 00	x	x	x
G 1/4 F x compr. fit. 10	type L	07 781 00	x	x	x
G 3/8 F x compr. fit. 10	type L	07 782 00	x	x	x
G 1/2 F x compr. fit. 10	type L	07 104 00	x	x	x
G 1/4 F x compr. fit. 12	type L	07 783 00	x	x	x
G 3/8 F x compr. fit. 12	type L	07 784 00	x	x	x
G 1/2 F x compr. fit. 12	type L	07 785 00	x	x	x
G 3/8 F x compr. fit. 15	type L	07 786 00	x	x	x
G 1/2 F x compr. fit. 15	type L	07 787 00	x	x	x
G 1/2 F x compr. fit. 18	type L	07 105 00	x	x	x

With brass olive for copper pipes

G 1/4 F x compr. fit. 8	type L	07 778 06	x	x	x
G 3/8 F x compr. fit. 8	type L	07 779 06	x	x	x
G 1/2 F x compr. fit. 8	type L	07 780 06	x	x	x
G 1/4 F x compr. fit. 10	type L	07 781 06	x	x	x
G 3/8 F x compr. fit. 10	type L	07 782 06	x	x	x
G 3/8 F x compr. fit. 12	type L	07 784 06	x	x	x
G 1/2 F x compr. fit. 12	type L	07 785 06	x	x	x



Straight welding connector type AS

EN ISO 8434-1 - WDSC

Technical data

- Material: C 15



Straight welding connector type AS

With steel olive for steel pipes

Compr. fit. 8 x socket 12	type L	07 851 00	x	x	x
Compr. fit. 10 x socket 14	type L	07 852 00	x	x	x
Compr. fit. 12 x socket 16	type L	07 853 00	x	x	x
Compr. fit. 15 x socket 19	type L	07 854 00	x	x	x
Compr. fit. 18 x socket 22	type L	07 855 00	x	x	x
Compr. fit. 22 x socket 27	type L	07 856 00	x	x	x

Pipe system



Adjustable elbow compression fitting type EVW

Direction-adjustable compression fitting following EN ISO 8434-1, one end compression fitting, other end pipe socket with outer diameter, 90° elbow



Adjustable elbow compression fitting type EVW

With steel olive for steel pipes

Compr. fit. 6 x pipe socket 6 type L	07 871 00	x	x	x
Compr. fit. 8 x pipe socket 8 type L	07 872 00	x	x	x
Compr. fit. 10 x pipe socket 10 type L	07 873 00	x	x	x
Compr. fit. 12 x pipe socket 12 type L	07 874 00	x	x	x
Compr. fit. 15 x pipe socket 15 type L	07 875 00	x	x	x
Compr. fit. 18 x pipe socket 18 type L	07 876 00	x	x	x
Compr. fit. 22 x pipe socket 22 type L	07 877 00	x	x	x

With brass olive for copper pipes

Compr. fit. 8 x pipe socket 8 type L	07 872 06	x	x	x
Compr. fit. 10 x pipe socket 10 type L	07 873 06	x	x	x
Compr. fit. 12 x pipe socket 12 type L	07 874 06	x	x	x
Compr. fit. 15 x pipe socket 15 type L	07 875 06	x	x	x



Straight bulkhead compression fitting type SV

EN ISO 8434-1 - BHSC



Straight bulkhead compression fitting type SV

With steel olive for steel pipes

Compr. fit. 8 x compr. fit. 8 type L	07 354 00	x	x	x
Compr. fit. 10 x compr. fit. 10 type L	07 355 00	x	x	x
Compr. fit. 12 x compr. fit. 12 type L	07 356 00	x	x	x
Compr. fit. 15 x compr. fit. 15 type L	07 357 00	x	x	x

With brass olive for copper pipes

Compr. fit. 8 x compr. fit. 8 type L	07 354 06	x	x	x
Compr. fit. 10 x compr. fit. 10 type L	07 355 06	x	x	x
Compr. fit. 12 x compr. fit. 12 type L	07 356 06	x	x	x
Compr. fit. 15 x compr. fit. 15 type L	07 357 06	x	x	x



Elbow bulkhead compression fitting type WSV

EN ISO 8434-1 - BHEC



Elbow bulkhead compression fitting type WSV

With steel olive for steel pipes

Compr. fit. 8 x compr. fit. 8 type L	07 371 00	x	x	x
Compr. fit. 10 x compr. fit. 10 type L	07 372 00	x	x	x
Compr. fit. 12 x compr. fit. 12 type L	07 373 00	x	x	x
Compr. fit. 15 x compr. fit. 15 type L	07 374 00	x	x	x

With brass olive for copper pipes

Compr. fit. 8 x compr. fit. 8 type L	07 371 06	x	x	x
Compr. fit. 10 x compr. fit. 10 type L	07 372 06	x	x	x
Compr. fit. 12 x compr. fit. 12 type L	07 373 06	x	x	x

Product suitable for: Single conduit systems
 Double conduit systems
 Central oil supply

Pipe system



Straight reducing socket type RED

Reducing coupling fitting following EN ISO 8434-1, one end pipe socket with outer diameter, other end compression fitting

Straight reducing socket type RED

With steel olive for steel pipes

Pipe socket 8 x compr. fit. 6 type L	07 221 00	x	x	x
Pipe socket 10 x compr. fit. 8 type L	07 223 00	x	x	x
Pipe socket 12 x compr. fit. 6 type L	07 224 00	x	x	x
Pipe socket 12 x compr. fit. 8 type L	07 225 00	x	x	x
Pipe socket 12 x compr. fit. 10 type L	07 226 00	x	x	x
Pipe socket 15 x compr. fit. 8 type L	07 228 00	x	x	x
Pipe socket 15 x compr. fit. 10 type L	07 237 00	x	x	x
Pipe socket 15 x compr. fit. 12 type L	07 229 00	x	x	x
Pipe socket 18 x compr. fit. 8 type L	07 230 00	x	x	x
Pipe socket 18 x compr. fit. 12 type L	07 232 00	x	x	x
Pipe socket 18 x compr. fit. 15 type L	07 233 00	x	x	x
Pipe socket 22 x compr. fit. 15 type L	07 235 00	x	x	x
Pipe socket 22 x compr. fit. 18 type L	07 236 00	x	x	x

With brass olive for copper pipes

Pipe socket 8 x compr. fit. 6 type L	07 221 06	x	x	x
Pipe socket 10 x compr. fit. 8 type L	07 223 06	x	x	x
Pipe socket 12 x compr. fit. 8 type L	07 225 06	x	x	x
Pipe socket 12 x compr. fit. 10 type L	07 226 06	x	x	x
Pipe socket 15 x compr. fit. 12 type L	07 229 06	x	x	x
Pipe socket 18 x compr. fit. 15 type L	07 233 06	x	x	x

Adapter for pipes

Precision steel pipe with assembled nut and olive, for mounting to the cone connector of a compression fitting



Adapter for pipes

With steel olive for steel pipes

Pipe socket 6 x pipe socket 6 x 50 mm	02 524 01	x	x	x
Pipe socket 8 x pipe socket 8 x 50 mm	02 524 00	x	x	x
Pipe socket 10 x pipe socket 10 x 50 mm	02 524 10	x	x	x
Pipe socket 12 x pipe socket 12 x 50 mm	02 525 00	x	x	x
Pipe socket 15 x pipe socket 15 x 50 mm	02 526 00	x	x	x
Pipe socket 22 x pipe socket 22 x 60 mm	02 526 02	x	x	x
Pipe socket 18 x pipe socket 18 x 65 mm	02 526 01	x	x	x

Pipe system



Blind plug with coupling nut type BSL

According to DIN 3870 and with O-ring sealing for compression fittings according to DIN 2352 / EN ISO 8434-1 - PL



Blind plug with coupling nut type BSL

6	M12 x 1.5 F	type L	07 190 10	x	x	x
8	M14 x 1.5 F	type L	07 191 10	x	x	x
10	M16 x 1.5 F	type L	07 192 10	x	x	x
12	M18 x 1.5 F	type L	07 193 10	x	x	x
15	M22 x 1.5 F	type L	07 194 10	x	x	x
18	M26 x 1.5 F	type L	07 195 10	x	x	x
22	M30 x 2 F	type L	07 196 10	x	x	x



Coupling nut type M

For compression fittings according to DIN 2352 / EN ISO 8434-1, according to DIN 3870 type LL and EN ISO 8434-1-N



Coupling nut type M

4	M 8 x 1 F	type LL	wrench size 10	07 119 00	x	x	x
6	M10 x 1 F	type LL	wrench size 12	07 117 00	x	x	x
6	M12 x 1.5 F	type L	wrench size 14	07 107 00	x	x	x
8	M12 x 1 F	type LL	wrench size 14	07 118 00	x	x	x
8	M14 x 1.5 F	type L	wrench size 17	07 108 00	x	x	x
10	M16 x 1.5 F	type L	wrench size 19	07 109 00	x	x	x
12	M18 x 1.5 F	type L	wrench size 22	07 110 00	x	x	x
15	M22 x 1.5 F	type L	wrench size 27	07 111 00	x	x	x
16	M24 x 1.5 F	type S	wrench size 30	07 123 00	x	x	x
18	M26 x 1.5 F	type L	wrench size 32	07 112 00	x	x	x
22	M30 x 2 F	type L	wrench size 36	07 113 00	x	x	x
28	M36 x 2 F	type L	wrench size 41	07 116 00	x	x	x

Pipe system



Olive type D

DIN 3861 - form A - St

Technical data

- Material: steel, hardened



Olive type D

4 type LL

6 type LL

6 type L

8 type LL

8 type L

10 type L

12 type L

15 type L

16 type S

18 type L

22 type L

28 type L

	Part no.	I	II	Z
4 type LL	07 149 00	x	x	x
6 type LL	07 130 00	x	x	x
6 type L	07 150 00	x	x	x
8 type LL	07 131 00	x	x	x
8 type L	07 151 00	x	x	x
10 type L	07 152 00	x	x	x
12 type L	07 153 00	x	x	x
15 type L	07 154 00	x	x	x
16 type S	07 158 00	x	x	x
18 type L	07 155 00	x	x	x
22 type L	07 156 00	x	x	x
28 type L	07 159 50	x	x	x



Olive type DU

DIN 3861 - form A - St

Technical data

- Maximum admitted pressure: 6 bar
- Material: steel, unhardened, Zn yellow C



Olive type DU

6 type L

8 type L

10 type L

	Part no.	I	II	Z
6 type L	07 150 03	x	x	x
8 type L	07 151 03	x	x	x
10 type L	07 152 03	x	x	x



Olive type D-MS

DIN 3861 - form A-MS, e.g. in the assembly of copper pipes

Technical data

- Material: brass

Note

- Maximum admitted operating pressure according to data sheet compression fittings.



Olive type D-MS

6 type L

8 type L

10 type L

12 type L

15 type L

18 type L

22 type L

	Part no.	I	II	Z
6 type L	07 170 00	x	x	x
8 type L	07 171 00	x	x	x
10 type L	07 172 00	x	x	x
12 type L	07 173 00	x	x	x
15 type L	07 174 00	x	x	x
18 type L	07 175 00	x	x	x
22 type L	07 176 00	x	x	x

Pipe system



Remark on stainless steel compression fittings

For the correct assembly of stainless steel compression fittings we recommend the use of a pre-assembly socket type VOMO as well as the use of a sliding means.

For the correct selection and assembly of compression fittings, please observe the GOK assembly instructions (under www.gok-online.de and the chapter "Service") and the compression fitting and screw-in compression fitting data sheets.

Material: stainless steel (1.4571). All fittings are DVGW-tested.

Straight stainless steel compression fitting type G-X

EN ISO 8434-1 - SC



Straight stainless steel compression fitting type G-X

With stainless steel olive for stainless steel pipes

Compr. fit. 8 x compr. fit. 8 type L

Part no.	I	II	Z
----------	---	----	---

07 502 00

x

x

x

Compr. fit. 10 x compr. fit. 10 type L

07 503 00

x

x

x

Compr. fit. 12 x compr. fit. 12 type L

07 504 00

x

x

x

Elbow stainless steel compression fitting type W-X

EN ISO 8434-1 - EC



Elbow stainless steel compression fitting type W-X

With stainless steel olive for stainless steel pipes

Compr. fit. 8 x compr. fit. 8 type L

Part no.	I	II	Z
----------	---	----	---

07 508 00

x

x

x

Compr. fit. 10 x compr. fit. 10 type L

07 509 00

x

x

x

Compr. fit. 12 x compr. fit. 12 type L

07 510 00

x

x

x

T-shape stainless steel compression fitting type T-X

EN ISO 8434-1 - TC



T-shape stainless steel compression fitting type T-X

With stainless steel olive for stainless steel pipes

Compr. fit. 8 x compr. fit. 8 x compr. fit. 8 type L

Part no.	I	II	Z
----------	---	----	---

07 514 00

x

x

x

Compr. fit. 10 x compr. fit. 10 x compr. fit. 10 type L

07 515 00

x

x

x

Compr. fit. 12 x compr. fit. 12 x compr. fit. 12 type L

07 516 00

x

x

x

Straight stainless steel screw-in compr. fitting type GERK-X

DIN 2353 - form B with conical screwed plug DIN 3852-2 - form C



Straight stainless steel screw-in compression fitting type GERK-X

With stainless steel olive for stainless steel pipes

Compr. fit. 8 x R 1/4 M type L

Part no.	I	II	Z
----------	---	----	---

07 590 00

x

x

x

Compr. fit. 10 x R 3/8 M type L

07 592 00

x

x

x

Compr. fit. 12 x R 1/2 M type L

07 594 00

x

x

x

Elbow stainless steel screw-in compr. fitting type WERK-X

DIN 2353 - form G with conical screwed plug DIN 3852-2 - form C



Elbow stainless steel screw-in compression fitting type WERK-X

With stainless steel olive for stainless steel pipes

Compr. fit. 8 x R 1/4 M type L

Part no.	I	II	Z
----------	---	----	---

07 541 00

x

x

x

Compr. fit. 10 x R 3/8 M type L

07 542 00

x

x

x

Compr. fit. 12 x R 1/2 M type L

07 544 00

x

x

x

Pipe system

NEW
Straight stainless steel bulkhead compr. fitting type SV-X

EN ISO 8434-1 - BHSC

Straight stainless steel bulkhead compression fitting type SV-X
With stainless steel olive for stainless steel pipes

Compr. fit. 8 x compr. fit. 8 type L

Part no.		I	II	Z
07 570 00		x	x	x

NEW
Elbow stainless steel bulkhead compr. fitting type WSV-X

EN ISO 8434-1 - BHEC

Elbow stainless steel bulkhead compression fitting type WSV-X
With stainless steel olive for stainless steel pipes

Compr. fit. 8 x compr. fit. 8 type L

Part no.		I	II	Z
07 580 00		x	x	x

Stainless steel coupling nut type M-X

For compression fittings according to DIN 2353 / DIN EN ISO 8434-1 and according to DIN EN ISO 8434-1-N

Technical data

- Material: stainless steel


Coupling nut type M-X

8 M14 x 1.5 F type L

07 551 00 x x x

10 M16 x 1.5 F type L

07 552 00 x x x

12 M18 x 1.5 F type L

07 553 00 x x x


Stainless steel olive type D-X

DIN 3861 - form A-V

Technical data

- Material: stainless steel

Stainless steel olive type D-X

8 type L

07 551 01 x x x

10 type L

07 552 01 x x x

12 type L

07 553 01 x x x

Pipe system



Pre-assembly socket type VOMO

When assembling stainless steel compression fittings, the pre-assembly may only be carried out in the hardened pre-assembly socket. A sliding means is to be used for the pre-assembly. Steel or brass compression fittings can also be pre-assembled in the pre-assembly socket.

Technical data

- Material: steel, hardened

Pre-assembly socket type VOMO

8 M14 x 1.5 M	07 599 08	x	x	x
10 M16 x 1.5 M	07 599 10	x	x	x
12 M18 x 1.5 M	07 599 12	x	x	x



Sliding means

For the pre-assembly or assembly of stainless steel compression fittings

Sliding means

Tube 100 g

Part no.	I	II	Z
07 599 50	x	x	x

Pipe system



Remark on brass compression fittings

For the correct selection and assembly of compression fittings, please observe the GOK assembly instructions (under www.gok-online.de and the chapter "Service") and the compression fitting and screw-in compression fitting data sheets.

Material: brass (CW 614 N or CW 617 N). All fittings are DVGW-tested.



Straight compression fitting type G-MS

EN ISO 8434-1 - SC

Straight compression fitting type G-MS

With brass olive for copper pipes

Compr. fit. 8 x compr. fit. 8 type L

Part no.	I	II	Z
07 602 00	x	x	x



Elbow compression fitting type W-MS

EN ISO 8434-1 - EC

Elbow compression fitting type W-MS

With brass olive for copper pipes

Compr. fit. 8 x compr. fit. 8 type L

Part no.	I	II	Z
07 608 00	x	x	x



T-shape compression fitting type T-MS

EN ISO 8434-1 - TC

T-shape compression fitting type T-MS

With brass olive for copper pipes

Compr. fit. 8 x compr. fit. 8 x compr. fit. 8 type L

Part no.	I	II	Z
07 614 00	x	x	x



Straight bulkhead compression fitting type SV-MS

EN ISO 8434-1 - BHSC

Straight bulkhead compression fitting type SV-MS

With brass olive for copper pipes

Compr. fit. 8 x compr. fit. 8 type L

Part no.	I	II	Z
07 880 00	x	x	x



Elbow bulkhead compression fitting type WSV-MS

EN ISO 8434-1 - BHEC

Elbow bulkhead compression fitting type WSV-MS

With brass olive for copper pipes

Compr. fit. 8 x compr. fit. 8 type L

Part no.	I	II	Z
07 681 00	x	x	x

Pipe system

Soldering socket

For pipelines as adapter between copper pipe and compression fitting

Advantages and equipment

- One end soldering sleeve according to EN 1254-1 with soldering connector for outer pipe diameter, other end pipe socket for compression fitting according to EN ISO 8434-1

Technical data

- Material: brass



Soldering socket

For outer pipe diameter x pipe socket x length

Long model

8 x 8 x 60 mm

	Part no.	I	II	Z
8 x 8 x 60 mm	14 493 00	x	x	x
10 x 10 x 60 mm	14 493 01	x	x	x
12 x 12 x 80 mm	14 490 00	x	x	x

10 x 10 x 60 mm

12 x 12 x 80 mm

Threaded socket

For the assembly of fittings in the pipeline

Technical data

- Material: brass or steel
- Sealing form C = thread-sealing connection and sealant according to EN 10226-1 / ISO 7-1
- Sealing form KN = male thread G, with 60° inner cone for ball-cone connector
- Sealing form A = sealing surface according to DIN 3852-2
- Sealing form NPT = thread-sealing connection and, if necessary, sealant according to ASME ANSI B1.20.1-1983



Threaded socket

Sealing form: C/KN 60°

R 1/8 M x G 3/8 M

R 1/4 M x G 3/8 M

R 3/8 M x G 1/4 M

R 3/8 M x G 3/8 M

R 1/2 M x G 3/8 M

Sealing form: A/KN 60°

G 1/4 M x G 1/4 M

Sealing form: NPT/KN 60°

1/4 NPT M x G 3/8 M

Sealing form: A/A

G 1/4 M x G 1/8 F

G 1/8 M x G 1/8 F

Sealing form: KN/KN 60°

G 1/4 M x G 1/4 M

G 3/8 M x G 3/8 M

Pipe system



Universal connectors type UA PS 16 bar

Clamping connector of version G according to prEN 12514-4:2009 annex D for construction elements with G 3/8 female thread

Complete set of clamping ring fittings including brass reinforcement ring for the connection of copper or brass oil pipes with an outer diameter of 6, 8 or 10 mm with a filter, a suction kit or other construction elements with G 3/8 parallel female thread. Pressure screw with G 3/8 parallel male thread.

Advantages and equipment

- With brass reinforcement ring

Approval

- German ÜHP type approval according to building code list to EN 12514-2

Technical data

- Material: brass

Note

- Only use universal connectors as a complete construction unit!



Universal connectors type UA

For outer pipe diameter

8 and 10 mm

Single set

15 227 00

x x x

Double set

15 227 01

x x x

6 mm

Single set

15 227 03

x x x

8 mm

Single set

15 227 07

x x x

10 mm

Single set

15 227 06

x x x

Pressure screw

For outer pipe diameter

6, 8 and 10 mm

G 3/8 M

15 227 20

x x x



Universal set

Compression ring connector for the connection of oil lines with an outer diameter of 8, 10 and 12 mm with a filter or a suction kit with G 3/8 parallel female thread



Note

- Not suitable for use in Germany!

Universal set

For outer pipe diameter

8, 10 and 12 mm

Double set with pressure screw G 3/8 M metal

15 225 00

x x x

Pipe system



Straight screw-in compr. fitting short version type GERB

For screw-in holes G 3/8 of compression fittings and fixtures

Advantages and equipment

- Through a complete screwing-in of the short threaded plug, reliable sealing between the O-ring of the fitting and the sealing surface, e.g. filter
- With O-ring 14 x 2 NBR at the screwed plug

Technical data

- DIN 2353 - form D with screwed plug, DIN 3852-2 - form B short
- Maximum admitted pressure: PS 25 bar
- Material: steel

Straight screw-in compression fitting short version type GERB

With steel olive for steel pipes

Compr. fit. 6 x G 3/8 M DL	type L	13 062 05	x	x	x
Compr. fit. 8 x G 3/8 M DL	type L	13 063 05	x	x	x
Compr. fit. 10 x G 3/8 M DL	type L	13 066 05	x	x	x
Compr. fit. 12 x G 3/8 M DL	type L	13 067 05	x	x	x

With brass olive for copper pipes

Compr. fit. 6 x G 3/8 M DL-MS	type L	13 062 06	x	x	x
Compr. fit. 8 x G 3/8 M DL-MS	type L	13 063 06	x	x	x
Compr. fit. 10 x G 3/8 M DL-MS	type L	13 066 06	x	x	x
Compr. fit. 12 x G 3/8 M DL-MS	type L	13 067 06	x	x	x

Replacement part

O-ring 14 x 2 NBR for connection G 3/8 M	13 007 22	x	x	x
O-ring 14 x 2 FKM for connection G 3/8 M	25 520 33	x	x	x

Pipe system



Seamless precision steel pipe

According to EN 10305-4, seamless, cold-drawn, available in fixed lengths of 5 metres

Operating materials:

- Inflammable, easily or highly inflammable as well as non-inflammable or water-endangering liquids
- Liquid gas according to DIN 51622 and EN 589 (gaseous and liquid phase)
- For hydraulic and pneumatic applications

The seamless precision steel pipe meets the requirements:

- Of the Pressure Equipment Directive 97/23/EC
- For use in metallic industrial pipes according to EN 13480-1 with material of valuable substance group 1.1 according to CR ISO 15608
- Of the AD 2000 working sheets HP 100R and W 4
- On pipes according to EN 10305-4 as connection for compression fittings according to EN ISO 8434-1

Technical data

- Technical delivery terms according to EN 10305-4; steel grade E235+N (normalized in delivery conditions), material number: 1.0308
- Dimensions and tolerances according to EN 10305-4, upon request with inspection certificate 3.1 according to EN 10204
- Surface finish: galvanised zinc coat according to EN 50961, layer thickness $8 \pm 12 \mu\text{m}$ and with chrome VI free passivation
- Minimum and maximum temperature TS: 0 °C to +300 °C

Note

- The maximum admitted pressure PS (at +20 °C) according to EN 13480-3 is shown in the product table as 1st case and 2nd case:
1st case ($c_0 = 0 \text{ mm}$) e.g. for liquid gas, 2nd case ($c_0 = 1 \text{ mm}$) e.g. for fuel oil ($c_0 = \text{additional for wear and tear in case of corrosion}$)

Seamless precision steel pipe

Outer pipe diameter x wall thickness in mm

6 x 1.2 packing unit: 200 m	1 st case: 619 bar	2 nd case: 38 bar	06 001 00	x	x	x
8 x 1.0 packing unit: 125 m	1 st case: 360 bar	2 nd case: --	06 002 00	x	x	x
8 x 1.5 packing unit: 125 m	1 st case: 603 bar	2 nd case: 152 bar	06 003 00	x	x	x
10 x 1.0 packing unit: 85 m	1 st case: 285 bar	2 nd case: --	06 004 00	x	x	x
10 x 1.5 packing unit: 85 m	1 st case: 459 bar	2 nd case: 117 bar	06 005 00	x	x	x
12 x 1.0 packing unit: 125 m	1 st case: 234 bar	2 nd case: --	06 006 00	x	x	x
12 x 1.5 packing unit: 125 m	1 st case: 375 bar	2 nd case: 99 bar	06 007 00	x	x	x
15 x 1.5 packing unit: 80 m	1 st case: 294 bar	2 nd case: 81 bar	06 009 00	x	x	x
18 x 1.5 packing unit: 60 m	1 st case: 241 bar	2 nd case: 67 bar	06 010 00	x	x	x
22 x 1.5 packing unit: 35 m	1 st case: 269 bar	2 nd case: 123 bar	06 012 00	x	x	x

No liability assumed for details on to the maximum admitted pressure.

**Minimum purchase quantity: 1 packing unit
(different versions also possible)**

Pipe bending device

With 6 replaceable bending rolls with an outer diameter of 6 to 18 mm

Note

- Different versions, e.g. 20, 22 and 25 mm, available upon request.

Pipe bending device

Version 6-18



Part no.	I	II	Z
06 500 00	x	x	x

Product suitable for: Single conduit systems
Double conduit systems
Central oil supply

Pipe system



Aluplast pipe PS 25 bar

Advantages and equipment

- Particularly suitable for FAME and fuel oil EL A Bio

Technical data

- Material no. EN AW-1070A according to EN 573-3
- Pipe according to EN 755-1
- PVC sheath, layer thickness 1.6 mm

Note

- For the mounting of compression fittings to Aluplast pipes, it is necessary that steel reinforcement rings (see e.g. part no. 08 083 00) and unhardened steel olives (see e.g. part no. 07 151 03) or stainless steel olives (see e.g. part no. 07 551 01) are used!

Aluplast pipe

Outer pipe diameter x wall thickness in mm

10 x 1 packing unit: 50 m

Part no.		I	II	Z
06 203 00		x	x	x



Reinforcement ring

For thin-walled pipes or soft pipe materials, e.g. copper pipe, in compression and clamping ring fittings according to DIN 3859-2

Note

- According to prEN 12514-4: 2009, reinforcement rings for copper pipes must always be used in compression and clamping ring fittings.
- The installation of copper pipes with reinforcement rings in a liquid gas installation in Germany is only permitted for the caravan and marine sector.



Reinforcement ring

For outer pipe diameter x wall thickness in mm

Material: brass

6 x 1

8 x 1

10 x 1

12 x 1

15 x 1

18 x 1

Material: steel, yellow zinc-plated

8 x 1

10 x 1

12 x 1

Part no.		I	II	Z
08 092 00		x	x	x
08 093 00		x	x	x
08 094 00		x	x	x
08 095 00		x	x	x
08 096 00		x	x	x
08 100 00		x	x	x
08 083 00		x	x	x
08 084 00		x	x	x
08 085 00		x	x	x



Non-return valve PS 10 bar

Prevents drop of oil column at a burner standstill

Technical data

- Non-return valve according to EN 12514-2

Non-return valve

G 3/8 F x G 3/8 F

Part no.		I	II	Z
13 110 00		x	x	

Pipe system



Isolating separation connector type ITV PS 16 bar

For the separation of underground tank installations with cathodic corrosion protection and earthed components or in case of different pipe materials, for the prevention of contact corrosion (galvanised separation).
Meets the requirements of TRbF 521 No. 6.51 and EN 12514-2.

Approval

- German ÜHP type approval according to building code list to EN 12514-2

Technical data

- Material: steel

Isolating separation connector type ITV

With steel olive for steel pipes

Compr. fit. 6 x compr. fit. 6	07 900 00	x	x	x
Compr. fit. 8 x compr. fit. 8	07 901 00	x	x	x
Compr. fit. 10 x compr. fit. 10	07 902 00	x	x	x
Compr. fit. 12 x compr. fit. 12	07 903 00	x	x	x
Compr. fit. 15 x compr. fit. 15	07 904 00	x	x	x
Compr. fit. 18 x compr. fit. 18	07 905 00	x	x	x

With brass olive for copper pipes

Compr. fit. 6 x compr. fit. 6	07 900 06	x	x	x
Compr. fit. 8 x compr. fit. 8	07 901 06	x	x	x
Compr. fit. 10 x compr. fit. 10	07 902 06	x	x	x
Compr. fit. 12 x compr. fit. 12	07 903 06	x	x	x
Compr. fit. 15 x compr. fit. 15	07 904 06	x	x	x
Compr. fit. 18 x compr. fit. 18	07 905 06	x	x	x



Pressure compensation valve type DAV7 PS 10 bar

Safety device against excessive pressure
For the restriction of the pressure increase in enclosed suction line sections through the provision of an expansion volume without additional drainage of the fuel oil.
In suction lines the pressure can increase in the event of a double-sided blockage due to a temperature-related change in volume of the fuel oil.

Advantages and equipment

- With additional protection in the event of exceeding the maximum working pressure

Approval

- German ÜHP type approval according to building code list to EN 12514-2

Technical data

- Working pressure for volume expansion: 0.5 bar to 3.8 bar
- Volume expansion: maximum 5 cm³
- Laid out for a temperature increase of DT = 40 K.

Pressure compensation valve type DAV7

G 3/8 F x G 3/8 F

Part no.	I	II	Z
15 550 00	x	x	



Pipe system

Remark on hose assemblies PS 10 bar

The hose assemblies correspond to type 1 according to EN ISO 6806. The maximum admitted negative pressure is -0.6 bar. The hoses consist of an inner NBR and PA layer and an outer metallic wire mesh.

For the correct assembly of hose assemblies, please observe the GOK data sheet "Hose assemblies for oil firing installations" (download in PDF format under www.gok-online.de in the chapter "Downloads").

Hose assembly for central oil supply installations PS 10 bar	Part no.	I	II	Z
For the flexible connection of e.g. the MIC combined service box and oil heaters				
Technical data				
• Material of the inner hose layer: NBR				
Hose assembly for central oil supply installations				
Straight steel pipe sockets on both ends				
Pipe socket 8 x pipe socket 8 x 300 mm	12 006 00			x
Pipe socket 8 x pipe socket 8 x 400 mm	12 007 00			x
Pipe socket 8 x pipe socket 8 x 500 mm	12 008 00			x
Pipe socket 8 x pipe socket 8 x 750 mm	12 009 00			x
Pipe socket 8 x pipe socket 8 x 1000 mm	12 010 00			x
Pipe socket 10 x pipe socket 10 x 300 mm	12 011 00			x
Pipe socket 10 x pipe socket 10 x 500 mm	12 013 00			x
Pipe socket 10 x pipe socket 10 x 750 mm	12 014 00			x
Pipe socket 10 x pipe socket 10 x 1000 mm	12 015 00			x
Straight copper pipe sockets on both ends				
Pipe socket 8 x pipe socket 8 x 300 mm	12 026 00			x
Pipe socket 8 x pipe socket 8 x 500 mm	12 028 00			x
Pipe socket 8 x pipe socket 8 x 750 mm	12 029 00			x
Pipe socket 8 x pipe socket 8 x 1000 mm	12 030 00			x
Steel pipe socket 90° on one end				
Straight steel pipe socket on the other end				
Pipe socket 8 x pipe socket 8 x 300 mm	12 090 00			x
Pipe socket 8 x pipe socket 8 x 400 mm	12 091 00			x
Pipe socket 8 x pipe socket 8 x 500 mm	12 092 00			x
Pipe socket 8 x pipe socket 8 x 750 mm	12 093 00			x
Pipe socket 8 x pipe socket 8 x 1000 mm	12 094 00			x
Male fitting for pipes M14 x 1.5 on copper pipe socket 90° on one end				
Straight steel pipe sockets on the other end				
M14 x 1.5 M x pipe socket 8 x 600 mm	12 145 00			x
M14 x 1.5 M x pipe socket 8 x 800 mm	12 146 00			x
Coupling nut M14 x 1.5 on copper pipe socket 90° on one end				
Straight steel pipe sockets on the other end				
M14 x 1.5 nut x pipe socket 8 x 600 mm	12 147 00			x
M14 x 1.5 nut x pipe socket 8 x 800 mm	12 148 00			x

Pipe system

Hose assembly for central heating systems PS 10 bar

For the flexible connection of the filter and burner

Technical data

- Material of the inner hose layer: NBR

Hose assembly for central heating systems

Coupling nut with cone-shaped sealed surface on one end

Conical male thread according to EN 10226-1 / ISO 7-1 on the other end

G 3/8 nut x R 1/8 M x 750 mm	12 080 00	x	x	
G 3/8 nut x R 1/8 M x 1000 mm	12 080 01	x	x	
G 3/8 nut x R 1/4 M x 500 mm	12 073 00	x	x	
G 3/8 nut x R 1/4 M x 750 mm	12 074 00	x	x	
G 3/8 nut x R 1/4 M x 1000 mm	12 075 00	x	x	
G 3/8 nut x R 3/8 M x 500 mm	12 068 00	x	x	
G 3/8 nut x R 3/8 M x 750 mm	12 069 00	x	x	
G 3/8 nut x R 3/8 M x 1000 mm	12 070 00	x	x	

Coupling nuts with cone-shaped sealing surface on both ends

G 3/8 nut x G 3/8 nut x 500 mm	12 063 00	x	x	
G 3/8 nut x G 3/8 nut x 750 mm	12 064 00	x	x	
G 3/8 nut x G 3/8 nut x 1000 mm	12 065 00	x	x	
G 3/8 nut x G 3/8 nut x 1250 mm	12 065 12	x	x	
G 3/8 nut x G 3/8 nut x 1500 mm	12 065 15	x	x	

Coupling nut with cone-shaped sealing surface on one end

Parallel male thread according to EN ISO 228-1

with screwed plug form A according to DIN 3852-2 on the other end

G 3/8 nut x G 3/8 M x 500 mm	12 068 01	x	x	
G 3/8 nut x G 3/8 M x 750 mm	12 069 01	x	x	
G 3/8 nut x G 3/8 M x 1000 mm	12 070 01	x	x	

Coupling nut with cone-shaped sealing surface on one end

NPT male thread according to ANSI B 1.20.1-1983 on the other end

G 3/8 nut x 1/4 NPT M x 500 mm	12 077 00	x	x	
G 3/8 nut x 1/4 NPT M x 750 mm	12 078 00	x	x	
G 3/8 nut x 1/4 NPT M x 1000 mm	12 079 00	x	x	



Hose assembly BIO for central heating systems PS 10 bar

For the flexible connection of the filter and burner

Advantages and equipment

- Smell-free version

Technical data

- Material of the inner hose layer: PA

Hose assembly BIO for central heating systems

Coupling nuts with cone-shaped sealing surface on both ends

G 3/8 nut x G 3/8 nut x 500 mm	12 263 00	x	x	
G 3/8 nut x G 3/8 nut x 750 mm	12 264 00	x	x	
G 3/8 nut x G 3/8 nut x 1000 mm	12 265 00	x	x	
G 3/8 nut x G 3/8 nut x 1250 mm	12 265 12	x	x	
G 3/8 nut x G 3/8 nut x 1500 mm	12 265 15	x	x	

Pipe system

Hose assembly for special burners PS 10 bar

For the flexible connection of the filter and burner

Technical data

- Material of the inner hose layer: NBR



Hose assembly for special burners

Suitable for burners: Hansa, Convair, Golling

G 3/8 nut x G 3/8 nut x 1000 mm

Part no.

12 099 00

I
II
Z

x x



Suitable for burners: Elco-Junior, MAN

G 3/8 nut x G 1/4 M x 1000 mm

12 160 00

x x

G 3/8 nut x G 1/8 M x 1000 mm

12 161 00

x x



Suitable for burners: Weishaupt, Elco, Körting

90° pipe socket with pre-assambled steel nut and steel olive 6 type LL

G 3/8 nut x pipe socket 6 x 1000 mm

12 162 00

x x



Suitable for burners: Weishaupt, Vaillant

45° pipe socket with pre-assambled steel nut and steel olive 8 type LL

G 3/8 nut x pipe socket 8 x 1000 mm

12 163 00

x x



Suitable for burners: Brötje/Cuenod

78° pipe socket with pre-assambled steel nut and steel olive 8 type L

G 3/8 nut x pipe socket 8 x 1000 mm

12 164 00

x x



Suitable for burners: Klöckner KL20, Oertli OE 9, Hofamat

Pipe socket 12 with M 12 x 1.5 nut

G 3/8 nut x pipe socket 12 x 1000 mm

12 165 00

x x



Suitable for burners: Oertli, Mainflamme, Enerjet, Abig

90° with G 1/4 coupling nut

G 3/8 nut x G 1/4 nut x 1000 mm

12 167 00

x x



Suitable for burners: Viessmann

45° with G 1/4 male fitting for pipes

G 3/8 nut x G 1/4 male fitting for pipes x 1000 mm

12 169 00

x x

NEW

Hose assembly BIO for special burners PS 10 bar

For the flexible connection of the filter and burner



Technical data

- Material of the inner hose layer: PA



Hose assembly BIO for special burners

Suitable for burners: Weishaupt, Elco, Körting

90° pipe socket with pre-assembled steel nut and steel olive 6 type LL

G 3/8 nut x pipe socket 6 x 1000 mm

12 262 00

x x



Suitable for burners: Oertli, Mainflamme, Enerjet, Abig

90° with G 1/4 coupling nut

G 3/8 nut x G 1/4 nut x 1000 mm

12 267 00

x x

Pipe system

Remark on pipe support systems

The dimensions of the pipe support systems refer to the outer pipe diameter in mm.

Plastic pipe clamp

For the fastening of pipelines to the wall

Note

- For fire protection reasons, not permitted for use in liquid gas installations!



Plastic pipe clamp

Single

6	08 114 00	x	x	x
8	08 101 00	x	x	x
10	08 102 00	x	x	x
12	08 103 00	x	x	x
15	08 104 00	x	x	x
18	08 105 00	x	x	x
22	08 106 00	x	x	x

Double

8	08 113 00	x		
10	08 108 00		x	
12	08 109 00		x	
15	08 110 00		x	
18	08 111 00		x	
22	08 116 00		x	

Clamp with screwed thread

For the fastening of pipelines to the wall

Technical data

- Material: metal



Clamp with screwed thread

Single

4 - 8 zinc-plated	08 050 00	x	x	x
8 - 10 zinc-plated	08 061 00	x	x	x
8 - 10 copper-plated	08 062 00	x	x	x
12 - 16 zinc-plated	08 065 00	x	x	x
12 - 16 copper-plated	08 066 00	x	x	x

Double

4 - 8 copper-plated	08 051 00	x		
8 - 10 zinc-plated	08 063 00		x	
8 - 10 copper-plated	08 064 00		x	
12 - 16 zinc-plated	08 067 00		x	
12 - 16 copper-plated	08 068 00		x	



Pipe system



Fastening bolt

For plastic pipe clamps and clamps with screwed thread

Technical data

- Material: steel

Fastening bolt

M 6 M 30 mm long

M 6 M 40 mm long

Part no.		I	II	Z
08 112 00		x	x	x
08 115 00		x	x	x



Pin pipe clamp

For the fastening of pipelines to the wall

Technical data

- Material: metal

Pin pipe clamp

Single

4 - 8 zinc-plated

8 - 10 zinc-plated

8 - 10 copper-plated

12 - 16 zinc-plated

12 - 16 copper-plated

Double

4 - 8 zinc-plated

8 - 10 zinc-plated

8 - 10 copper-plated

12 - 16 zinc-plated

12 - 16 copper-plated

Metal pipe clamp

For the fastening of pipelines to the wall



Advantages and equipment

- With rubber profile

Note

- For fire protection reasons, not permitted for use in German TRF installations!

Metal pipe clamp

6

8

10

12

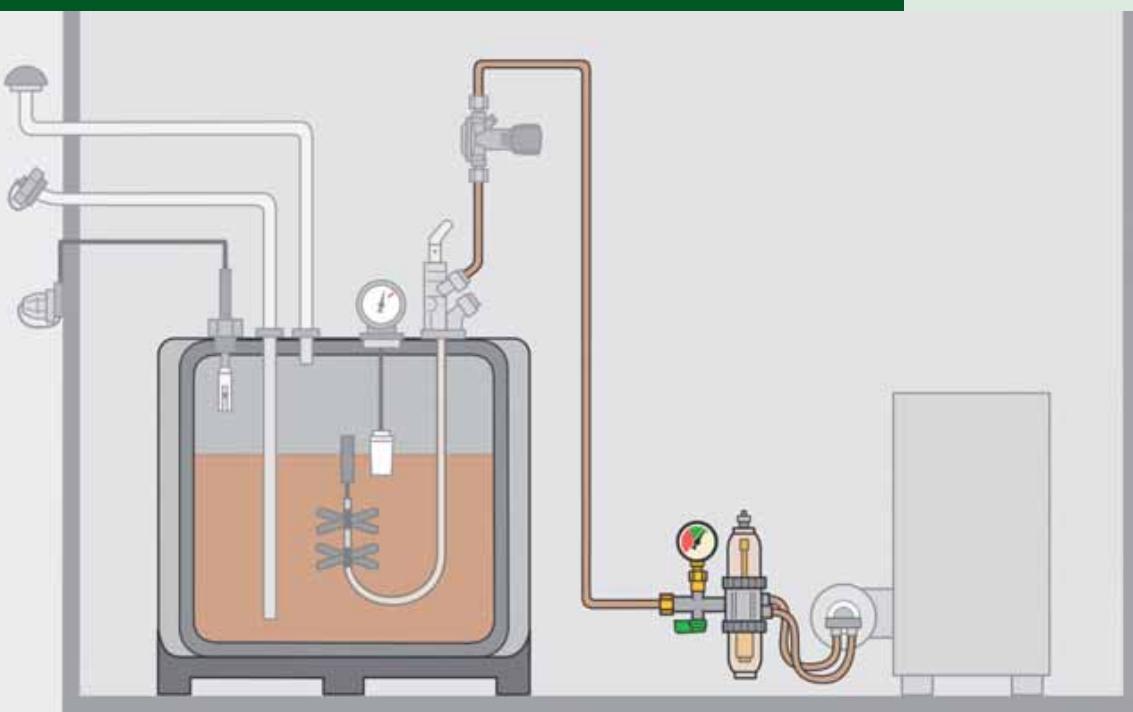
15

18

Part no.		I	II	Z
08 033 01		x	x	x
08 034 01		x	x	x
08 035 01		x	x	x
08 036 01		x	x	x
08 037 01		x	x	x
08 038 01		x	x	x

Notes

Filters



Combined fuel oil filter and deaerator type GS Pro-Fi 3

Sample application:

GS Pro-Fi 3 in a single conduit system of an oil firing system with shut-off device before the consumer device. Installed suction kit type VTK-2 without non-return valve. No oil smell in the installation room.

Filters



Combined fuel oil filter and deaerator type GS Pro-Fi 3

For installation in single conduit systems with return feed above or below the top of the tank

Operating materials:

- Fuel oil EL according to DIN 51603-1
- Fuel oil EL A Bio according to DIN V 51603-6 maximum 30% FAME
- Diesel fuel according to EN 590 and DIN 51628
- FAME according to EN 14213 and EN 14214

Advantages and equipment

- Smell-free guaranteed without additional accessories
- No escape of oil or oil foam
- Safety function in the event of suction hose failure
- Integrated ball valve as required shut-off valve before the consumer device
- Connecting hose for oil aspiration pump
- Vacuum gauge option available -1.0 to +0.6 bar to control the negative pressure in the aspiration line and therefore the operational states

Approval

- German ÜHP type approval according to building code list to EN 12514-2

Technical data

- Nominal flow according to prEN 12514-3:2009: 110 l/h, with the following pressure losses in the use of:

- sintered plastic filter insert 70 µm = 110 mbar
- sintered plastic filter insert 35 µm = 210 mbar
- sintered plastic filter insert 70 µm long = 105 mbar

- Supply/return rate at a pressure difference of 1.3 bar = 160 l/h

- Venting power according to prEN 12514-3:2009: 10 l/h air

- Material: housing: zinc die-casting ZP0410
filter cup: plastic or metal



Plastic filter cup



Metal filter cup

Combined fuel oil filter and deaerator type GS Pro-Fi 3

With plastic filter cups, without vacuum gauge

G 3/8 F x G 3/8 M	sintered plastic 35 µm	PS 6 bar	13 513 00	x
G 3/8 F x G 3/8 M	sintered plastic 70 µm	PS 6 bar	13 513 01	x
G 3/8 F x G 3/8 M	sintered plastic 35 µm, long	PS 6 bar	13 513 05	x
G 3/8 F x G 3/8 M	exchange filter 25 µm	PS 6 bar	13 513 06	x

With plastic filter cups, with vacuum gauge

G 3/8 F x G 3/8 M	sintered plastic 35 µm	PS 6 bar	13 517 00	x
G 3/8 F x G 3/8 M	sintered plastic 35 µm, long	PS 6 bar	13 517 05	x
G 3/8 F x G 3/8 M	exchange filter 25 µm	PS 6 bar	13 517 06	x

With metal filter cups, without vacuum gauge

G 3/8 F x G 3/8 F	sintered plastic 70 µm	PS 10 bar	13 514 03	
G 3/8 F x G 3/8 M	sintered plastic 35 µm	PS 16 bar	13 513 80	x

With metal filter cups, with vacuum gauge

G 3/8 F x G 3/8 F	sintered plastic 70 µm	PS 6 bar	13 514 13	
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With plastic filter cups, without vacuum gauge, for Spain

G 3/8 F x G 3/8 F	sintered plastic 35 µm	PS 6 bar	13 514 02	
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Accessories

Vacuum test kit type UPE-300		13 602 00	x	x	x
Oil aspiration pump with suction and drainage hose		13 610 00	x	x	x
Connecting hose for oil aspiration pump G 3/8		13 610 60	x	x	x

Filters



Single conduit filter with return line type 500ERAZ PS 6 bar

For the filtering of liquid media

Operating materials:

- Fuel oil EL according to DIN 51603-1
- Fuel oil EL A Bio according to DIN V 51603-6 maximum 20% FAME
- Diesel fuel according to EN 590 and DIN 51628
- FAME according to EN 14213 and EN 14214
- Vegetable oils

Advantages and equipment

- With wall bracket
- Quick-acting stop valve
- Fuel oil returning from the burner is filtered again through the construction
- Manual ventilation when setting into operation

Approval

- German ÜHP type approval according to building code list to EN 12514-2

Technical data

- Material: housing: zinc die-casting ZP0410
gaskets: FKM

Single conduit filter with return line type 500ERAZ

With plastic filter cup

G 3/8 F x G 3/8 M	sintered plastic 70 µm	13 861 72	x
UA 8/10 x G 3/8 M	sintered plastic 70 µm	13 861 71	x
G 3/8 F x G 3/8 M	felt 70-80 µm	13 861 00	x
UA 8/10 x G 3/8 M	felt 70-80 µm	13 861 11	x

Accessories

- Vacuum test kit type UPE-300

Part no.	I	II	Z
13 861 72			
13 861 71			
13 861 00			
13 861 11			
13 602 00	x	x	x



Double conduit filter type 500ZAZ PS 6 bar

For the filtering of liquid media

Advantages and equipment

- With wall bracket
- Quick-acting stop valve

Approval

- German ÜHP type approval according to building code list to EN 12514-2

Technical data

- Material: housing: zinc die-casting ZP0410
gaskets: NBR

Double conduit filter type 500ZAZ

With plastic filter cup

G 3/8 F x G 3/8 M	sintered plastic 70 µm	13 851 72	x
UA 8/10 x G 3/8 M	sintered plastic 70 µm	13 851 71	x
G 3/8 F x G 3/8 M	felt 70-80 µm	13 851 05	x
UA 8/10 x G 3/8 M	felt 70-80 µm	13 851 11	x
G 3/8 F x G 3/8 M	stainless steel 300 µm	13 851 00	x
UA 8/10 x G 3/8 M	stainless steel 300 µm	13 851 10	x

Filters

NEW**Single conduit filter type 500EZ PS 6 bar**

For the filtering of liquid media in pipelines

Advantages and equipment

- Compatible with all accessory components of the filter type 500

Approval

- German ÜHP type approval according to building code list to EN 12514-2

Technical data

- Material: housing: zinc die-casting ZP0410
gaskets: NBR

Single conduit filter type 500EZ**With plastic filter cup**

G 3/8 F x G 3/8 F sintered plastic 35 µm

Part no.

I II Z

13 049 04 x x

G 3/8 F x G 3/8 F sintered plastic 70 µm

13 049 00 x x

G 1/2 F x G 1/2 F sintered plastic 35 µm

13 050 04 x x

G 1/2 F x G 1/2 F sintered plastic 70 µm

13 050 00 x x

NEW**Single conduit filter type 500EAZ PS 6 bar**

For the filtering of liquid media in pipelines

Advantages and equipment

- Particularly suitable for oil metres and oil pressure regulators
- Quick-acting stop valve
- Compatible with all accessory components of the filter type 500
- Two screw-in holes M5 for fixing a wall bracket

Approval

- German ÜHP type approval according to building code list to EN 12514-2

Technical data

- Material: housing: zinc die-casting ZP0410
gaskets: FKM

Single conduit filter type 500EAZ**With plastic filter cup**

G 3/8 F x G 3/8 F sintered plastic 70 µm

Part no.

I II Z

13 051 00 x x

Compr. fit. 8 x compr. fit. 8 sintered plastic 70 µm

13 051 08 x x

With wall bracket

G 3/8 F x G 3/8 F sintered plastic 70 µm

13 051 04 x x

**Single conduit filter type 85E PS 6 bar**

For the filtering of liquid media

Approval

- German ÜHP type approval according to building code list to EN 12514-2

Technical data

- Material: housing: brass
gasket: NBR

Single conduit filter type 85E**With plastic filter cup**

Compr. fit. 8 x compr. fit. 8

Part no.

I II Z

13 023 00 x x



Filters

NEW

Fuel oil emergency supply set

For the pre-filtering of fuel oil extracted from a steel canister

Advantages and equipment

- Extraction of fuel oil from 20 litre canister models A and B according to the technical delivery conditions TL 7240-0022 of the German Federal Office for Defence Technology and Procurement
- Frictional connection of canister fitting with cam lever, internal sealing and vent hole
- Supply and return pipes are securely fixed in the canister connection and on the double conduit filter type 500ZAZ using compression fittings
- For the direct connection of the burner hose lines to the double conduit filter
- Double conduit system simultaneously ensures ventilation during the emergency supply

Technical data

- Steel pipe canister line 8 x 1 mm with material E235
- Double conduit filter type 500ZAZ with sintered plastic filter element 70 µm (part no. 13 851 72)
- Connectors burner hose line: G 3/8 male thread

Note

- The steel canister with a connected fuel oil emergency supply set should be installed in a collecting basin during operation.
- The steel canister is not included within the scope of delivery.

Fuel oil emergency supply set

Complete

Part no.		I	II	Z
13 860 10		x	x	



Oil fittings combination with GS Pro-Fi 3 PS 10 bar

For single conduit systems for installation before oil burners when using oil feeding units

Consisting of: filter with shut-off device type 500EAZ, solenoid valve with pressure relief device, oil pressure regulator type ODR and GS Pro-Fi 3 with metal filter cups

Technical data

- Flow rate: up to 20 l/h
- Inlet pressure: 0.5 to 6.0 bar
- Outlet pressure: 100 mbar

Oil fittings combination with GS Pro-Fi 3

With metal filter cups

Compr. fit. 10 x G 3/8 M sintered plastic 70 µm

Part no.		I	II	Z
13 990 01		x		

Filters

Filter inserts:



Filter cups:



O-ring


Accessories for fuel oil filter
Filter elements

For types 500EAZ, EZ, ERAZ, ZAZ, EM, ERAM, ZAM as well as GS2000 and GS Pro-Fi 3

Felt element 70-80 µm - loose	13 851 80	x	x
Felt element 70-80 µm - 25 pcs in plastic box	13 851 29	x	x
Sintered plastic (siku) 70-80 µm yellow - loose	13 851 81	x	x
Sintered plastic (siku) 70 µm yellow - 25 pcs in plastic box	13 851 33	x	x
Sintered plastic (siku) 35 µm white	13 851 34	x	x
Sintered plastic (siku) 70 µm long yellow	13 851 53	x	x
Sintered plastic (siku) 35 µm long white	13 851 54	x	x
Inox fabric insert 60 µm	13 850 19	x	x
Inox fabric insert 300 µm	13 850 21	x	x
Exchange filter with metal casing WSF 25 µm (PS 10 bar)	13 851 60	x	x
Fine filter MC-7 5-20 µm	13 851 56	x	x

For types 85 and 200

Inox fabric insert 200 µm

Part no.

I II Z

13 009 21

x

x

Replacement part

For types 500EAZ, EZ, ERAZ, ZAZ, EM, ERAM, ZAM as well as GS2000 and GS Pro-Fi 3

Filter cup 500 plastic clear	13 850 22	x	x
Filter cup 500 plastic clear long	13 850 23	x	x
Filter cup 500 metal zinc die-casting (for PS 16 bar)	13 850 25	x	x
Straining ring 500 metal zinc die-casting	13 850 49	x	x
O-ring 500 NBR	13 850 24	x	x
O-ring 500 FKM	25 521 64	x	x
Adapter for exchange filter for zinc die-casting metal	13 851 65	x	x
Sealing ring for NBR adapter	13 851 68	x	x
Exchange filter retrofit set consisting of: adapter, sealing ring for adapter and O-ring 500 NBR, without exchange filter (PS 10 bar)	13 851 67	x	x

For types 85 and 200

Filter cup 85 plastic clear	13 007 27	x	x
Filter cup 200 plastic clear	13 009 27	x	x
Filter cup 85 metal zinc die-casting (PS 16 bar)	13 007 37	x	x
O-ring 85 NBR	13 007 23	x	x
O-ring 200 NBR	25 520 28	x	x

Retrofit sets for types 500EAZ, EZ, ERAZ, ZAZ, EM, ERAM, ZAM as well as GS2000 and GS Pro-Fi 3

For long filter element sintered plastic 70 µm	13 852 53	x	x
For long filter element sintered plastic 35 µm	13 852 54	x	x
For exchange filter 25 µm	13 851 62	x	x

Accessories for the filter assembly

Installation wrench straining ring 500 plastic

13 850 88

x

x

Product suitable for: Single conduit systems
Double conduit systems
Central oil supply

Regulators

Remark on oil pressure regulators

A suitable oil pressure regulator must be installed for the respective outlet pressure, if the operating pressure in the oil line exceeds the highest permitted inlet pressure of downstream fittings or consumer devices, e. g. oil heaters.



Oil pressure regulator type ODR fixed PS 10 bar

Approval

- German ÜHP type approval according to building code list to EN 12514-2



Technical data

- Inlet pressure: 0.5 to 6.0 bar
- Outlet pressure: 100 mbar
- Nominal flow rate: up to 20 l/h

Oil pressure regulator type ODR fixed outlet pressure

With brass olive for copper pipes

- Compr. fit. 8 x compr. fit. 8
Compr. fit. 10 x compr. fit. 10

Part no.	I	II	Z
----------	---	----	---

	x		



Oil pressure regulator type ODR BIO fixed PS 10 bar

Technical data

- Inlet pressure: 0.5 to 6.0 bar
- Outlet pressure: 100 mbar
- Nominal flow rate: up to 20 l/h



Oil pressure regulator type ODR BIO fixed outlet pressure

With brass olive for copper pipes

- Compr. fit. 8 x compr. fit. 8

Part no.	I	II	Z
13 001 15			x



Oil pressure regulator type ODRE-M fixed PS 10 bar

Advantages and equipment

- With pressure gauge



Approval

- German ÜHP type approval according to building code list to EN 12514-2

Technical data

- Inlet pressure: up to 10.0 bar
- Outlet pressure: 0 to 2.5 bar
- Nominal flow rate: up to 180 l/h



Oil pressure regulator type ODRE-M fixed outlet pressure

Both sides female thread with O-ring for screw-in connector

G 1/4 F x G 3/8 F

Part no.	I	II	Z
13 504 00			x
13 504 01			x
13 504 02			x
13 504 03			x
13 504 04			x

Regulators



Oil pressure regulator type ODRE adjustable PS 10 bar

Advantages and equipment

- With scale

Approval

- German ÜHP type approval according to building code list to EN 12514-2

Technical data

- Inlet pressure: up to 10.0 bar
- Outlet pressure: 0.08 to 1.4 bar (1 to 17 m oil column)
- Nominal flow rate: up to 20 l/h
- Gauge connector: G 1/4 female thread

Oil pressure regulator type ODRE adjustable outlet pressure

With brass olive for copper pipes

Compr. fit. 8 x compr. fit. 8

Part no.		I	II	Z
13 501 00			x	



MIC combined service box PS 6 bar

Consisting of: quick-acting stop fitting and pressure regulator

Advantages and equipment

- Pressure regulator with automatic closing mechanism in the event of oil leakage

Approval

- German ÜHP type approval according to building code list to EN 12514-2

Technical data

- Inlet pressure: 0.5 to 4.0 bar
- Outlet pressure: 100 mbar
- Nominal flow rate: up to 12 l/h



MIC combined service box

With brass olive for copper pipes

Compr. fit. 8 x compr. fit. 8

Accessories

Replacement regulator with automatic closing mechanism



Part no.		I	II	Z
03 023 00				x
03 023 23				x

Regulators



Floating oil regulator Toby type DVR 5

Oil regulator according to DIN 4737-1 and 4737-2 for the dosing and closing of the oil supply to the vaporising burner

Product selection using the nominal flow rate:

All oil regulators are set according to the thermal output of the oil heating appliance on the following standard flow rates:

2.9 kW = 2.5 to 6.0 cm³/min part no. 01

4.1 kW = 3.5 to 9.0 cm³/min part no. 02

6.8 kW = 4.0 to 13.0 cm³/min part no. 03

7.5 kW = 4.5 to 16.0 cm³/min part no. 04

8.7 kW = 4.5 to 18.0 cm³/min part no. 05

11.6 kW = 6.0 to 24.0 cm³/min part no. 06

When placing an order, please state the respective last digits of the part no.:
Example: part no. 17 100 00 with 6.8 kW = 17 100 03

Technical data

- Inlet pressure: 50 mbar
- Inlet pressure range: 10 to 650 mbar
- Outlet pressure: minimum level between the oil level in the oil regulator and the lowest edge of the oil inflow on the burner:
10 mm
- Nominal flow rate: 2.5 - 130 cm³/min
- Standard flow: tolerance ± 5%
- Dimensions H/W/D: 110 x 70 x 110 mm

Note

- Other Toby oil regulators available upon request.
- Can be used for other oil regulator type, upon consultation with the oil heater manufacturer.

Floating oil regulator Toby type DVR 5

Standard version with regulation by hand

Connector M14 x 1.5 female thread

Version DVR 5211, lower outlet

Version DVR 5221, side outlet

	Part no.	I	II	Z
Version DVR 5211, lower outlet	17 100 00			x
Version DVR 5221, side outlet	17 101 00			x
Connector 1/4 NPT female thread				
Version DVR 5111, lower outlet	17 115 00			x
Version DVR 5121, side outlet	17 115 07			x
For aquastat operation, Toby control units type ZW 12.03 and ZW 13.03 also as a replacement for Toby DVR 3215				
Version DVR 5215, lower outlet	17 105 00			x
Version DVR 5225, side outlet	17 106 00			x
For electric control, Toby control unit type ZR 31200 and ZR electric top				
Version DVR 5213, lower outlet	17 110 00			x
Version DVR 5223, side outlet	17 111 00			x

Regulators

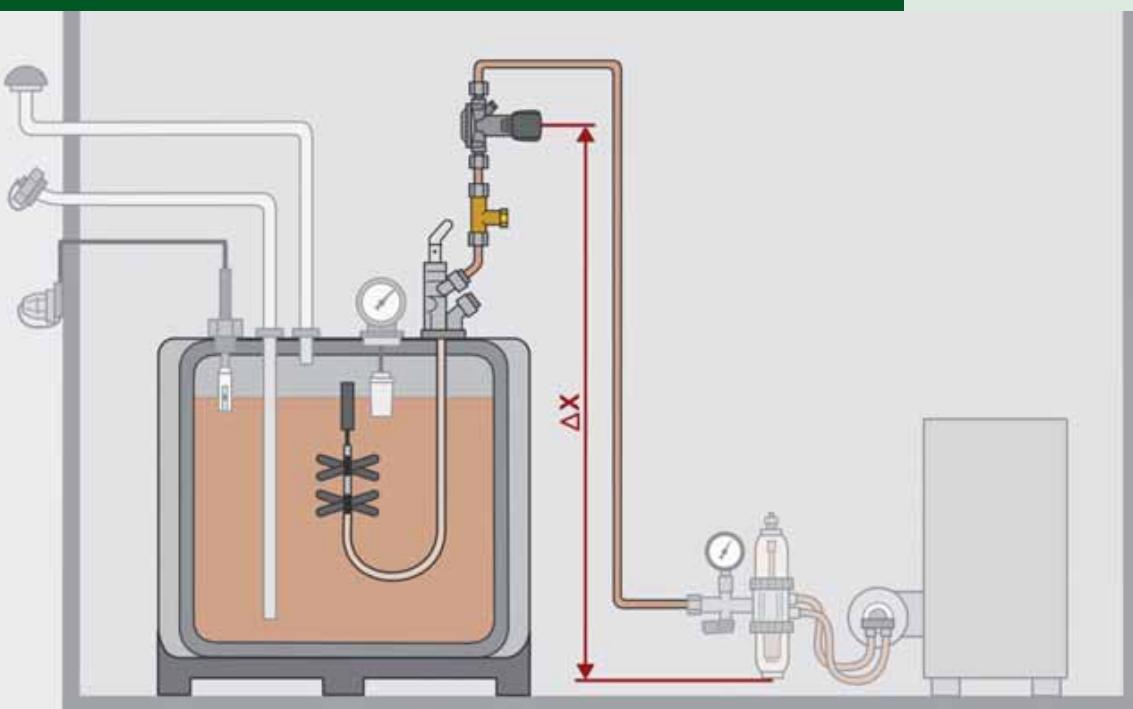


Floating oil regulator Toby type DVR 5

Replacement part

	Part no.	I	II	Z
Filter DVR 5.1	17 120 00			x
Filter seal DVR 5.2	17 121 00			x
Filter cover DVR 5.3	17 122 00			x
Evacuation screw with seal DVR 5.4	17 123 00			x
Screw set for DVR 5.5	17 124 00			x
Dosing rod with normal gasket and spring (specify heat output) DVR 5.6	17 125 00			x
Dosing seal DVR 5.7 to DVR 5.6	17 127 00			x
O-ring DVR 5.7 A for dosing rod to DVR 5.6	17 128 00			x
Complete float group DVR 5.8 A / DVR 5.11 A with an inlet valve body Ø 1.2 mm	17 129 00			x
Normal cover group DVR 5.9	17 130 00			x
Flange screw 8 mm for oil regulator with inner flange	17 131 00			x

Safety and monitoring



Membrane-controlled or solenoid valve anti-siphon device

Sample application:

Anti-siphon device for protection against siphoning in oil-conducting suction lines, suction kit type VTK-2 with non-return valve.

The pressure compensation valve type DAV 7 impairs a possible double-sided blocking between suction kit and anti-siphon device.

Figure 1:

Membrane-controlled anti-siphon device type HS-V with height dH adjusted to height ΔX

Figure 2:

Solenoid valve anti-siphon device type HS-MV electrically actuated by the consumer device, normally closed

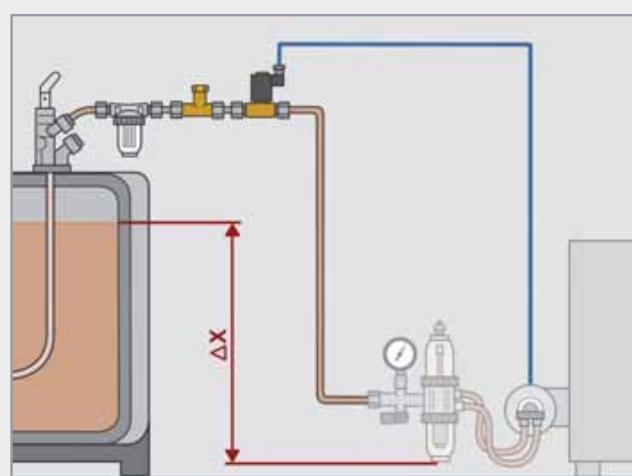


Figure 2

Safety and monitoring



Membrane-controlled anti-siphon device PS 6 bar

Safety device against siphoning

Advantages and equipment

- Integrated pressure relief: For the pressure compensation in the aspiration line between the anti-siphon device and the burner
- Type HS-V: manual ventilation when setting into operation or manual shut-off using the handwheel
- Type HS-F: manual ventilation when setting into operation using the pressure pin

Approval

- General building-authority approval no. Z-65.50-350

Technical data

- Flow rate: maximum 200 l/h
- Temperature range: -10 °C to +60 °C
- Setting height type HS-V: dH = 0-4.0 m
- Setting height type HS-F: dH = 1.8, 2.5 or 3.0 m

Note

- dX = measured height from the lowest point of the withdrawal line to the installation site of the anti-siphon device
- dH = setting height of the anti-siphon device
- Example for the selection of an anti-siphon device with fixed setting height: measured dX with 2.1 m; the correct version is with dH = 2.5 m



adjustable setting



fixed setting

Membrane-controlled anti-siphon device

Type HS-V adjustable setting of dH

G 3/8 F x G 3/8 F height dH 0-4.0 m height dX 0-4.0 m

15 510 10

x

Type HS-F fixed setting of dH

G 3/8 F x G 3/8 F height dH 1.8 m height dX 0.00-1.80 m

15 511 10

x

G 3/8 F x G 3/8 F height dH 2.5 m height dX 1.81-2.50 m

15 511 11

x

G 3/8 F x G 3/8 F height dH 3.0 m height dX 2.51-3.00 m

15 511 12

x

Safety and monitoring



adjustable setting

Membrane-controlled anti-siphon device BIO PS 6 bar

Safety device against siphoning

Advantages and equipment

- Integrated pressure relief:
For the pressure compensation between the anti-siphon device and the burner
- Manual ventilation when setting into operation or manually shut-off using the handwheel

Technical data

- Flow rate: maximum 200 l/h
- Temperature range: -10 °C to +60 °C according to TÜV report
- Setting height: dH = 0-4.0 m

Note

- dX = measured height from the lowest point of the withdrawal line to the installation site of the anti-siphon device
- dH = setting height of the anti-siphon device

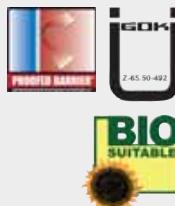
Membrane-controlled anti-siphon device BIO

Type HS-V adjustable setting of dH

G 3/8 F x G 3/8 F height dH 0-4.0 m height dX 0-4.0 m

Part no.		I	II	Z
15 512 10	x			

Safety and monitoring

NEW

Membrane-controlled anti-siphon device PS 10 bar

Safety device against siphoning according to DWA-A 779, DWA-A 791, TRÖI, DIN 4755 and FprEN 12514-3

Advantages and equipment

- Suitable for use in flood areas or areas with high risk
- Modern design
- Adjustable setting of height with ergonomic scale and for combustibles with different densities
- Pressure relief between the anti-siphon device and the burner as safety function for all protected heights
- Manual ventilation when setting into operation
- Installation in domes for ambient temperatures of -25 °C up to +40 °C
- Female thread connector for screw-in compression fitting with O-ring sealing or universal connectors type UA as clamping ring fittings of type G according to FprEN 12514-4

Technical data

- Flow rate: maximum 220 l/h
- Combustible temperature: 0 °C to +40 °C
- Setting height: HA = 0.5-4.0 m
- Connector for vacuum gauge: G 1/8 female thread

Note

- The actual height difference ΔX is decisive for the setting of the protected height HA of a membrane-controlled anti-siphon device. If the height difference ΔX is higher than the adjusted protected height HA, the anti-siphon device cannot close reliably in case of burner standstill due to the increased hydrostatic pressure of the combustible column. The anti-siphon device with protected height HA must be adjusted in way that exactly the actual height difference ΔX is protected. Higher values of the protected height HA will lead to an increased negative pressure in the withdrawal line and will intensify the formation of gas bubbles in the combustible.
- The installation of an additional pressure compensation device as safety device against excessive pressure (type DAV 7, part no. 15 550 00) will become necessary if the suction kit at the tank is equipped with a non-return valve.

Membrane-controlled anti-siphon device type HS-V.2 HA adjustable

G 3/8 F x G 3/8 F

Part no.		I	II	Z
15 513 00				

Safety and monitoring



Solenoid valve anti-siphon device type HS-MV PS 12 bar

Safety device against siphoning

Advantages and equipment

- Integrated pressure relief:
For the pressure compensation between the anti-siphon device and the burner
- No minimum aspiration pressure necessary
- Normally closed
- With appliance plug according to DIN 43650, type of protection IP 65

Approval

- General building-authority approval no. Z-65.50-450

Note

- Maximum height dX according to the general building-authority approval
3.5 metres
- A pre-filter e.g. part no 13 049 00 type 500EZ should be used!

Solenoid valve anti-siphon device type HS-MV

G 3/8 F x G 3/8 F

Part no.		I	II	Z
13 211 00	x			



Solenoid valve anti-siphon device - connection set

For the connection of the solenoid valve anti-siphon device to the burner

Consisting of: solenoid valve anti-siphon device, burner plug 7-pole (male), boiler plug 7-pole (female) and 4 m cable

Advantages and equipment

- Completely mounted
- Safety function: In the event of a signal report "burner fault" the solenoid valve anti-siphon device will be set to a normally closed position

Note

- Technical data, see part no. 13 211 00

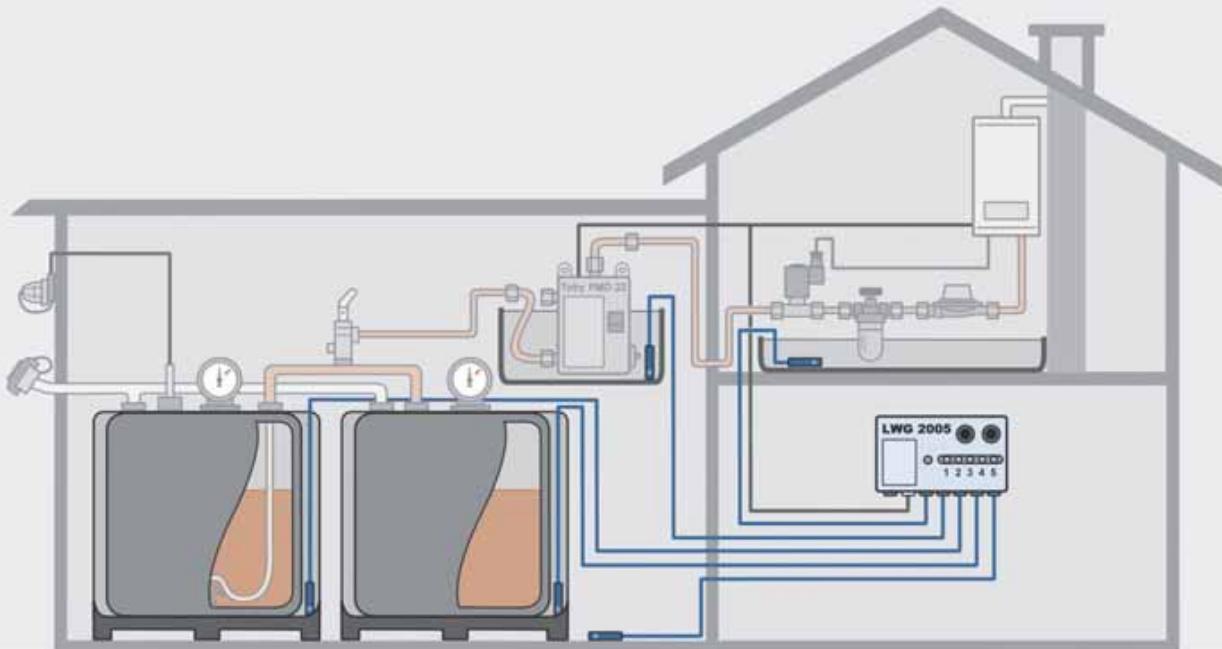
Solenoid valve anti-siphon device - connection set

Complete

Part no.		I	II	Z
13 212 00	x			

Notes

Safety and monitoring



Leak alarm type LWG 2005

Sample application:

Simultaneous monitoring of 5 leakage spaces of an oil firing installation by means of liquid sensors:

- 2 probes in one oil tank with integrated collecting basin of a battery tank system
- 1 probe in the collecting basin of an oil feeding unit
- 1 probe in the collecting basin on the consumer device due to existing pressure line
- 1 probe on the floor of the storage room for monitoring of flooding

Safety and monitoring



LWG 2000



LWG 2005



Leak alarm type LWG

Leak detection system of class III according to EN 13160-1 and EN 13160-4 as a liquid sensor system in leakage or monitoring areas, as safety device according to German worksheet DWA-A 791 and leak detection system according to German worksheet DWA-A 779

Use as:

- Construction product for stationary used installations for storing, filling and handling of water-endangering materials in the area of application of the German BPR 89/106/EEC.
- Liquid sensor for use in devices for the storage of fuels with a flashpoint above 55 °C which are designed for the supply of heating systems in buildings according to the German Building Code List B Part 1.
 - For the monitoring of a tank, a pipeline or a collecting basin
 - For use as an automatic error report system as safety device leak detection system according to German worksheet DWA-A 779

Operating materials:

- Fuel oil EL according to DIN 51603-1
- Fuel oil S according to DIN 51603-3
- Diesel fuel according to EN 590: 2004-3
- Waste oils with a flashpoint of over 55 °C
- Oil-in-water mixtures
- Urea solution according to DIN 70070

Advantages and equipment

- Potential-free relay contact for the connection e.g. of a burner pump warning light or acoustic alarm

Approval

- Belgium type LWG 2000: PLD 2010/12/01 BTV 97/H019
- Type LWG 2000: general building-authority approval no. Z-65.40-357
- Type LWG 2005: general building-authority approval no. Z-65.40-225

Technical data

- Supply voltage: 230 V AC 50 to 60 Hz
- Power consumption: 2.5 VA
- Temperature range: -20 °C to +60 °C
- Type of protection: IP 30

Note

- The connection cable can be extended to a maximum of 100 m.

Leak alarm, type LWG 2000

With indicator, probe length 2 m and assembly set

Part no.		I	II	Z
15 073 00				
15 074 00	x	x	x	
15 073 01	x	x	x	
15 073 98	x	x	x	
15 073 92	x	x	x	
15 073 97	x	x	x	
15 073 90	x	x	x	

Type LWG 2005 with possibility to connect up to 5 probes

With indicator without probe

Replacement part

- Indicator for leak alarm type LWG 2000
- Probe without assembly set, probe length 2 m
- Probe without assembly set, probe length 5 m
- Assembly set for the mounting of the probe, probe length 2 m
- Probe for installation in double-walled rectangular tanks, probe length adjustable from 960-1400 mm, 5 m connection cable

For type LWG 2005 the probes and assembly sets are not included within the scope of the delivery. Please order in accordance with the number of tanks.

Product suitable for: Single conduit systems
Double conduit systems
Central oil supply

Safety and monitoring



Burner connection set type LWG 2000

Leak alarm type LWG 2000 as monitoring system for oil burners with a burner connection set

Consisting of: leak alarm type LWG 2000, burner plug 7-pole (male), boiler plug 7-pole (female) and 2 m cable

Advantages and equipment

- Including probe which is mounted directly in the oil collecting basin under the burner
- Simple connection by means of burner interface

Technical data

- Switching current maximum 10 A

Note

- Equipment, functional description and technical data for the leak alarm type LWG 2000 see e.g. part no. 15 073 00.

Burner connection set type LWG 2000

Complete

Part no.		I	II	Z
15 174 00		x	x	x

Safety and monitoring



Leakage safety device type AS-2

For the protection of pumps and monitoring of collecting basins

Operating materials:

- Fuel oil EL according to DIN 51603-1
- Fuel oil S according to DIN 51603-3
- Diesel fuel according to EN 590: 2004-03
- FAME (biodiesel) according to EN 14213 and EN 14214
- Lubricants
- Hydraulic oils
- Thermal oils
- Oil-water mixtures
- Water (+1 °C to +70 °C)
- Other water-endangering non-flammable liquids upon proof by the manufacturer

Advantages and equipment

- With probe
- Including fixing device for probe
- Probe cable 2 m
- Thermally controlled resistor probe (resistant to breakdown through soiling or change of light)
- Acoustic alarm
- Integrated socket for automatic shut-down if the alarm sounds, e.g. for oil feeding devices

Approval

- General building-authority approval no. Z-65.40-394

Technical data

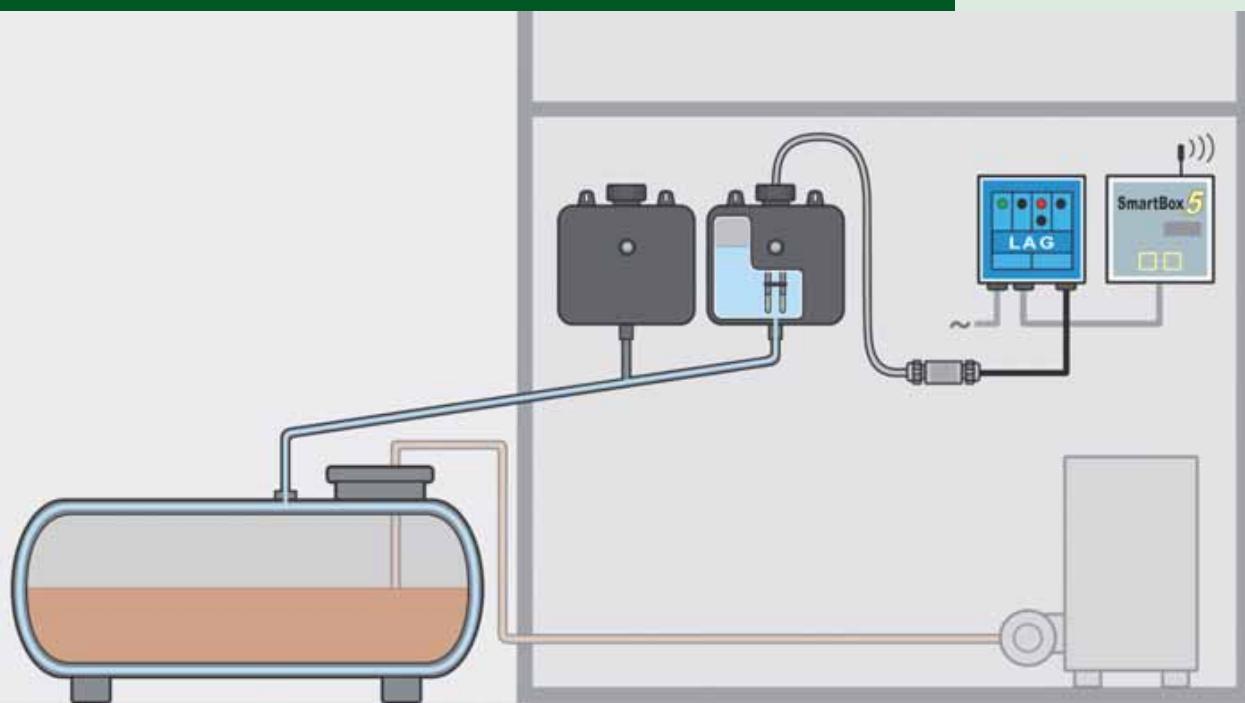
- Supply voltage: 230 V AC 50 to 60 Hz
- Switching capacity: maximum 1800 VA
- Temperature range: -20 °C to +50 °C

Leakage safety device type AS-2

Complete

Part no.		I	II	Z
15 173 00		x	x	x

Safety and monitoring



Leak detector type LAG 2000 A

Sample application:

Leak detection system for an overground tank based on leak detector liquid including:

- Leak detector liquid vessel with transmitter
- Leak detector liquid vessel without transmitter as additional vessel because the volume indicated on the typeplate of the tank is 200 litres
- Potential-free relay contact connected to the remote data transmission system SmartBox 5

Safety and monitoring



Leak detector type LAG 2000 A

Leak detection system class II according to EN 13160-1 and EN 13160-3 as a liquid system for tanks on the basis of leak detector liquid

Use as:

- A construction product for stationary installations for the storage, filling and handling of water-endangering materials in the area of harmonized standards or according to CPD 89/106/EEC.

For monitoring e.g.

- Double-walled, pressureless, above and underground tanks e.g. according to DIN 6616, DIN 6618-3, DIN 6623-2, DIN 6624-2 and EN 12285-2, DIN 6608-2, DIN 6619-2 and EN 12285-1

The maximum volume of the monitored space in the installation is 1 m³.

The leak detector liquid may be water hazard class 1 as a maximum.

- Leak detector for stationary installations for the storage, filling and handling of flammable, easily and highly flammable materials with a flashpoint below 55 °C only in **intrinsically safe versions**.
- For operational leak detectors type LAG 2000 A in installations which were constructed in Germany before 31.12.2002, a restriction of the monitoring space to a maximum 1 m³ does not apply.

Operating materials:

- Fuel oil, diesel fuel, FAME and petrol

Approval

- General building-authority approval no. Z-65.24-474
- Belgium type LAG 2000 A: PLD 2010/11/01 BTV 97/H019
- EC type approval certificate no.: TPS 04 ATEX 1010 X

Technical data

- Supply voltage: 230 V AC 50 to 60 Hz
- Power consumption: 2.5 VA
- Temperature range: -20 °C to +60 °C
- Type of protection: IP 20



Leak detector type LAG 2000 A

Indicator, transmitter, leak detector liquid vessel - intrinsically safe

For easily and highly flammable liquids and installation in hazardous area (installation of display outside hazardous area)

Part no.		I	II	Z
15 072 59		x	x	x
15 072 65		x	x	x
15 072 60		x	x	x

Suitable for Belgium

For easily and highly flammable liquids and installation in hazardous area (installation of display outside hazardous area)

Indicator, transmitter, leak detector liquid vessel - not intrinsically safe

For liquids / fuels with a flashpoint above 55 °C or water-endangering liquids - not for installation in hazardous area

Accessories see page 84.

Safety and monitoring



Leak detector type LAG 2000 A

Assembly set for leak detector for connection

Of double-walled tanks with a leak detector liquid vessel consisting of: cable connection kit, check valve, pipe socket, hose

	Part no.	I	II	Z
Assembly set for leak detector for connection	15 072 99	x	x	x
Indicator	15 072 01	x	x	x
Leak detector liquid vessel				
With transmitter				
Intrinsically safe	15 072 47	x	x	x
Not intrinsically safe	15 072 48	x	x	x
Without transmitter				
As replacement or additional vessel black (intrinsically safe or not)	15 072 46	x	x	x
Replacement transmitter without leak detector liquid vessel				
Intrinsically safe	15 072 32	x	x	x
Not intrinsically safe	15 072 37	x	x	x

Indicator

Can also be used as additional alarm

Leak detector liquid vessel

With transmitter

Intrinsically safe

Not intrinsically safe

Without transmitter

As replacement or additional vessel black (intrinsically safe or not)

Replacement transmitter without leak detector liquid vessel

Intrinsically safe

Not intrinsically safe

Safety and monitoring



Vacuum leak detector type Vacumatic

Leak detection system class I according to EN 13610-1 and EN 13610-2 as negative pressure system

Use as:

- A construction product for stationary installations for the storage, filling and handling of water-endangering materials in the area of harmonized standards or according to CPD:

Leak detector for negative pressure systems for use in devices for the storage of fuels with a flashpoint above 55 °C which are determined for the supply of heating systems in buildings.

Type Vacumatic III F - High pressure model for monitoring of:

- Double-walled tanks according to DIN 6608-2, DIN 6616 (form A), DIN 6618-2, DIN 6618-4, DIN 6619-2, DIN 6623-2, DIN 6624-2
- Double-walled tanks according to DIN 6608-2, with monitoring space that is partially still filled with leak detector liquid
- Single-walled tanks according to DIN 6608, DIN 6616 (form A), DIN 6619, DIN 6624 or DIN 6625 with an approved leak protection lining
- Single and double-walled tanks of an approved construction

Type Vacumatic IV F - Low pressure model for monitoring of:

- Double-walled tanks according to DIN 6618-2 or DIN 6618-4
- Single-walled tanks according to DIN 6608, DIN 6616 (form A), DIN 6619, DIN 6623, DIN 6624, DIN 6625
- Single and double-walled tanks of an approved construction

Operating materials:

- Mineral oil products with a flashpoint above 55 °C
- FAME according to EN 14214
- Other materials according to material list (please request, if necessary)



Approval

- General building-authority approval no. Z-65.22-2

Vacuum leak detector

Type Vacumatic III F

High pressure model

15 400 00

x x x

Type Vacumatic IV F

Low pressure design

15 401 00

x x x

Accessories

Triple condensate vessel (optionally at low points)

15 402 11

x x x

Hose line red 4 x 2 mm for measuring line

15 402 15

x x x

Hose line green 4 x 2 mm for exhaust line

15 402 14

x x x

Hose line transparent 4 x 2 mm for aspiration line

15 402 13

x x x

Liquid stop without condensate vessel

15 402 26

x x x

Liquid stop with condensate vessel

15 402 12

x x x

(for the installation of leak protection lining)

15 402 10

x x x

Assembly set for tank connection components

Replacement part

Replacement red light

15 402 24

x x x

Replacement green light

15 402 25

x x x

Replacement vacuum pump for type Vacumatic III F

15 400 10

x x x

Replacement vacuum pump for type Vacumatic IV F

15 401 10

x x x



Oil feeding units



Oil pressure accumulator

Oil feeding unit with overpressure intermediate storage according to EN 12514-1 for the supply of consumer devices in central oil supply installations or a single consumer device, if the negative pressure in a comparable single-conduit system rises to over -400 mbar

Advantages and equipment

- With pressure gauge
- Integrated operating container with regulation and safety devices
- Exchangeable filter element in the aspiration line connector
- Pressure control device for protection in the event of an oil shortage or oil line breakage
- Version without return line type 180, manual ventilation during setting into operation. A non-return valve may not be mounted in the aspiration line, e.g. use suction kit VTK-2 part no. 16 441 02.

Approval

- German ÜHP type approval according to building code list to EN 12514-1

Technical data

- Feeding volume: maximum 22 l/h at an outlet pressure 0 bar
- Aspiration volume: maximum 10 l/h
- Outlet pressure: maximum 4 bar
- Supply limit: approx. 15 m adjusted (maximum approx. 25 m)
- Suction height: maximum 3 m
- Connectors: compression fitting 8 mm
- Nominal voltage: 230 V AC 50 Hz
- Power consumption: 88 VA



Oil pressure accumulator

Without return line to the tank

Type 180

With return line to the tank

Type 330

Part no.		I	II	Z
17 511 00			x	x
17 511 10			x	x

Oil feeding units



Oil siphon pump

Hand pump for the withdrawal of fuel oil from oil or other tanks

Advantages and equipment

- With aspiration pipe
- With drainage hose

Technical data

- Maximum suction height: 2.2 m oil column

Oil siphon pump

G 1 1/2 M

Part no.

15 095 00

G 2 M

15 096 00

Replacement part

Pump G 1 1/2 M

15 095 03

Pump G 2 M

15 096 03

Aspiration pipe DN 12 G 3/8 M x 1400 mm

15 095 20

Drainage hose DN 16 1400 mm

15 095 21

Drainage elbow

15 095 23

Hand lever

15 095 28

Piston seal

15 095 29

I II Z

Metres, test equipment and auxiliaries



Oil metre calibrated type HZ 3 PS 6 bar

For measuring systems as a legally-controlled measuring device according to 2004/22/EC Directive on measuring devices, for the volumetric quantity measurement of fuel oil EL, e.g. for use in the pressure pipe of central oil supply installations or in the withdrawal line of single-conduit systems (negative pressure maximum -0.35 bar)

Advantages and equipment

- Including assembly plate and brackets for the mounting of the oil metre to the wall
- Including lip seals for straight screw-in compression fittings (see e.g. part no. 07 081 00)
- The validity of the EC initial calibration is 10 years, the oil metre must only be recalibrated by the manufacturer after expiry of this period

Approval

- EC type approval D01 5.223.03 according to 71/31/EEC, class 1
- EC initial calibration

Technical data

- Operating materials: fuel oil EL according to DIN 51603-1
- Initial calibration validity: 10 years
- Measuring accuracy: $\pm 1\%$
- Flow range: by gauging office: 0.18 to 12 l/h, maximum: 30 l/h
- Indicating range: 0.01 to 99,999.99 l
- Pressure loss: 50 to 100 mbar
- Connector: G 1/4 female thread

Note

- For the installation of the oil metre on the "suction side", a filter with a mesh width of 50 to 75 μm must be installed before the oil metre (see e.g. part no. 13 049 00)!

Oil metre calibrated type HZ 3

Complete

Part no.		I	II	Z
17 001 00		x	x	

Metres, test equipment and auxiliaries



Oil metre type HZ 5

According to EN 12514-2 for the volumetric quantity measurement of fuel oil EL, e.g. for use in the pressure pipe before the burner nozzle or in the withdrawal line of single-conduit systems of oil installations

Technical data

- Operating materials: fuel oil EL according to DIN 51603-1
- Measuring accuracy: $\pm 1\%$
- Flow range: 0.7 to 40 l/h
- Indicating range: 0.01 to 99,999.99 l
- Pressure loss: 50 to 200 mbar
- Temperature range: -5 °C to +70 °C
- Connector: G 1/8 female thread

Note

- For the installation of the oil metre on the "suction side", a filter with a mesh width of 50 to 75 μm must be installed before the oil metre (see e.g. part no. 13 049 00)!

Oil metre type HZ 5

Complete

Part no.		I	II	Z
17 004 00	x			

Accessories for oil metre type HZ 5

Connection set for the assembly of the oil meter HZ 5 in the pressure pipe before the burner nozzle

Advantages and equipment

- 2 straight screw-in compression fittings GERA with G 1/8 male thread, e.g. 07 440 00
- 2 aluminium sealing rings DRM, e.g. 07 950 00
- 2 copper pipes according to EN 1057 in state R250, length 250 mm
- 1 perforated plate with fastening screws M4 x 6
- Type 17 004 10 including 2 brass reinforcement rings, e.g. 08 092 00

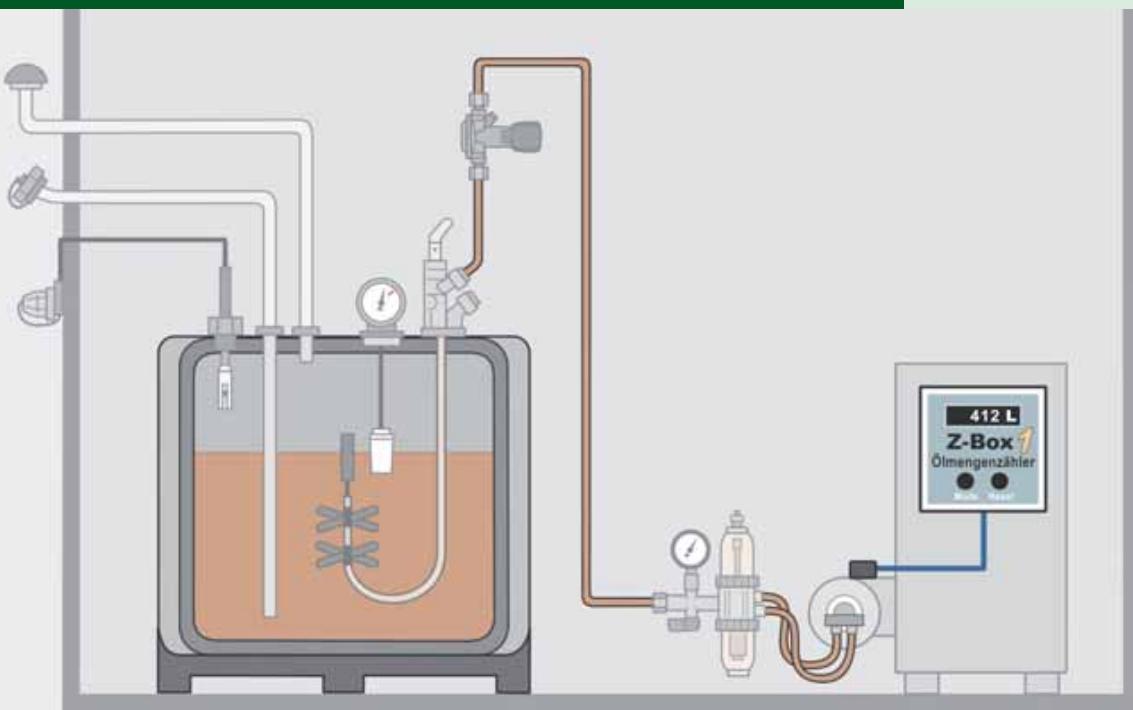
Accessories for oil metre type HZ 5

Connection set for outer pipe diameter 4 mm copper

Connection set for outer pipe diameter 6 mm copper

Part no.		I	II	Z
17 004 11	x			
17 004 10	x			

Metres, test equipment and auxiliaries



Oil volume and operating hours metre Z-Box 1

Sample application:

Z-Box 1 measures the operating hours of an oil burner and calculates the consumption of an oil firing installation in a contactless way.

Metres, test equipment and auxiliaries



Oil volume and operating hours metre Z-Box 1

The Z-Box 1 is an intelligent system for the recording of flow rate volumes and operating hours for fuel oil consumer installations.

Function and use:

It is not necessary to install the Z-Box 1 in the pipeline, as it is only connected electrically to the burner. After the input of burner parameters such as nozzle capacity and nozzle pressure the system calculates the desired values through a recording of operating hours and displays them digitally.

The following values can be displayed on the 8-digit display:

- Total operating hours
- Total consumption either in kg/h or l/h
- Voltage drop of battery

Advantages and equipment

- Non-contact system, thereby little installation efforts and no malfunction through contaminated mechanics
- Operating hours resettable, e.g. as daily metre
- Consumption resettable, e.g. as daily volume metre
- Use for single-stage burners with 300kW capacity
- Use in single and double conduit systems
- Easy setting into operation through menu navigation
- Including 2 batteries 1.5 V (type AAA)

Technical data

- Supply voltage: 3 V through 2 batteries (type AAA)
- Input: burner level 230 V AC 50 Hz
- Temperature range: 0 °C to +70 °C
- LCD display: 8 digits / 2 rows
- Type of protection: IP 30

Oil volume and operating hours metre Z-Box 1

Complete

Part no.		I	II	Z
15 800 00		X	X	

Metres, test equipment and auxiliaries



Test equipment for limit indicator type TG-1

Sample application:

Functional control of the limit indicator before filling by the tank truck driver.

Metres, test equipment and auxiliaries



Test equipment for limit indicator type TG-1



For the functional control of limit indicators e.g. before each filling of the oil tank as well as a final check after the construction of an oil installation

Displayed functions: battery charge state, heating-up of the indicator, short-circuit, interruption and release

Advantages and equipment

- With transport box
- Including 2 block batteries 9 V

Test equipment for limit indicator type TG-1

Complete

Part no.		I	II	Z
15 098 00		x	x	x

Test equipment for pump pressure



For ventilation, pressure setting and testing, vacuum and leak testing of the pump and oil line

Consisting of: manometer venting device G 1/8 male thread, test pressure gauge with glycerine filling (indicating range 0 to 25.0 bar, accuracy class 1.6), test pressure gauge with glycerine filling (indicating range -1.0 to 0 bar, accuracy class 1.6), adapters and plastic box

Test equipment for pump pressure

Complete

Part no.		I	II	Z
13 606 00		x	x	

Soundness control unit



For the execution of pressure tests on the oil line before setting an oil installation into operation according to DIN 4755 and the German Technical Regulations on Oil Installations

Consisting of: pressure limiter for a constant test pressure, pressure gauge, hand pump and transport box

Advantages and equipment

- Suitable for leak detection after an unsuccessful leak test with negative pressure (see part no. 13 602 00)
- Prevention of damage to the pressure gauge by using pressure limiter

Technical data

- Test pressure: maximum 5.0 bar
- Connector: compression fitting 8 mm
- Pressure gauge: measuring range 0-6.0 bar, accuracy class 1.6

Soundness control unit

Complete

Part no.		I	II	Z
13 600 00		x	x	x

Metres, test equipment and auxiliaries

NEW

Negative pressure test equipment type UPE-300

For leak tests of the entire oil line from the suction kit to the burner before the setting into operation with negative pressure, according to the German Technical Regulations for Oil Installations

Consisting of: negative pressure test device, connection hose for the oil aspiration pump, aspiration hose for the connection of fittings with ventilation socket, power supply cable 2 m for solenoid valve anti-siphon safety device, adapter for the connection to suction pumps or fittings, plastic box

Advantages and equipment

- Integrated in the leak test can be:
 - Combined fuel oil filters and deaerators of every manufacture
 - Single and double conduit filters
 - Safety devices against siphoning
 - Pressure compensation valves
 - Isolating-separating fittings
 - Burner hose assemblies for the feed and return line including burner pump

Technical data

- Vacuum meter measuring range -1.0 to 0 bar, accuracy class 1.6 with red marking at test pressure -0.3 bar
- Negative pressure limiter, exchangeable
- Connection block with measuring socket for aspiration hose 4 x 1 mm, stop valve and connection for suction pumps with G 3/8 male thread

Negative pressure test equipment type UPE-300

Complete

Part no.	I	II	Z
13 602 00	x	x	x
13 610 00	x	x	x

Accessories

Oil aspiration pump with suction and drainage hose



Oil aspiration pump

For the quick and clean filling of the oil line when setting an oil installation into operation

Consisting of: adapter (for the connection of the combined fuel oil filter ventilator and deaerator GS2000 or GS Pro-Fi 3), aspiration hose G 3/8 coupling nut x 500 mm (to connect oil filter to burner) and drainage hose for overflowing fuel oil

Advantages and equipment

- With non-return valve
- With vent valve

Oil aspiration pump

Complete

Replacement part

Connection hose for oil suction pump G 3/8

Part no.	I	II	Z
13 610 00	x	x	x
13 610 60	x	x	x

Metres, test equipment and auxiliaries



T-piece with negative pressure gauge

For the control of the negative pressure in the aspiration line and the soiling level of fuel oil filters

Advantages and equipment

- Coloured marking of the indicating range

Technical data

- Indicating range: -1.0 to 0.6 bar
- Pressure range: green range: -0.4 to 0 bar
red range: -1.0 to -0.4 bar

T-piece with negative pressure gauge

G 3/8 coupling nut x G 3/8 M

Part no.		I	II	Z
13 620 00		x	x	x



Pipe spring pressure gauge with glycerine filling

For installation in pipelines or pressure regulators

Technical data

- Safety pressure gauge according to EN 837-1, accuracy class 1.6
- Stainless steel housing, with pressure relief opening "S2"
- Radial type

Pipe spring pressure gauge with glycerine filling

Indicating range 0-25.0 bar Ø 50 mm G 1/8 M B

Part no.		I	II	Z
01 100 51		x	x	x
01 100 52		x	x	x

Negative pressure pipe spring gauge with glycerine filling

e.g. as replacement part for test equipment for pump pressure 13 606 00

Indicating range -1.0-0 bar Ø 50 mm G 1/8 M B



radial



axial

Pipe spring pressure gauge

For installation in pipelines or pressure regulators

Advantages and equipment

- Type without flameproof flap, pressure gauge according to EN 837-1, accuracy class 2.5

Part no.		I	II	Z
01 100 13		x	x	x
01 100 18		x	x	x
20 013 97		x	x	x

Pipe spring pressure gauge

Type without flameproof flap radial

Indicating range 0-6.0 bar Ø 40 mm G 1/8 B M

Type without flameproof flap axial

Indicating range 0-4.0 bar Ø 50 mm G 1/4 B M

Accessories

Gasket for pressure gauge G 1/8 NBR

Metres, test equipment and auxiliaries



Leak detector spray

For a safe and reliable detection of leaks in line systems

Approval

- DIN-DVGW-tested

Note

- Due to the Dangerous Goods Ordinance, the following delivery volumes per package are possible for the sending of parcels:

Leak detector spray 125 ml part no. 02 601 01 / 72 pcs

Leak detector spray 400 ml part no. 02 601 00 / 24 pcs

For large supply quantities by parcel post, the shipment costs increase according to the number of packages.

Leak detector spray

Spray can 125 ml

Spray can 400 ml

Part no.		I	II	Z
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		x	x	x
02 601 00		x	x	x



Liquid sealant

For the sealing of metal threaded connections

Approval

- DIN-DVGW-tested, for threads according to ISO 7-1

Liquid sealant

Bottle 50 ml, hardening

Part no.		I	II	Z
----------	--	---	----	---

02 607 00		x	x	x
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Teflon tape

For the sealing of metal threaded connections

Approval

- Sealant according to EN 751-3 for class FRP

Teflon tape

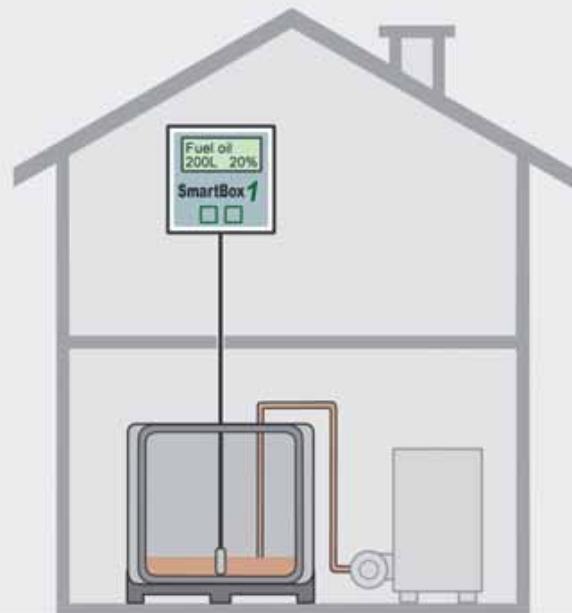
0.1 mm, roll = 12 m

Part no.		I	II	Z
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02 608 00		x	x	x
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Notes

Tank management



SmartBox 1 – “The level indicator”

Sample application:

Contents determination and on-site indication.

Tank management



SmartBox 1

The SmartBox 1 is an on-site level indicator for pressureless tanks with liquid materials.

Operating materials e.g.

- Fuel oil according to DIN 51603-1
- Diesel fuel according to EN 590: 2004-03
- FAME (biodiesel) according to EN 14213 and EN 14214
- Hydraulic oils
- Motor oils
- Vegetable oils
- Urea solution e.g. AdBlue® according to DIN 70700
- Water (+1 °C to +70 °C)

Scope of delivery:

Indicating unit with 2-line LCD display, hydrostatic probe (standard probe with a measuring range of 250 mbar and a measuring accuracy of 1%) with 6 metres cable and accessories for assembly

Technical data

- Supply voltage: 230 V AC 50 Hz
- Measuring range: fuel oil for a maximum tank height of 2.90 m
water for a maximum tank height of 2.50 m
- Tank connector: G 1, G 1 1/2 or G 2
- Type of protection: IP 30

Note

- The different steps of configuration and the displayed results are now also available in English.
- Additional functions and enlargements upon request.

SmartBox 1

Installation of box inside building, type of protection IP 30

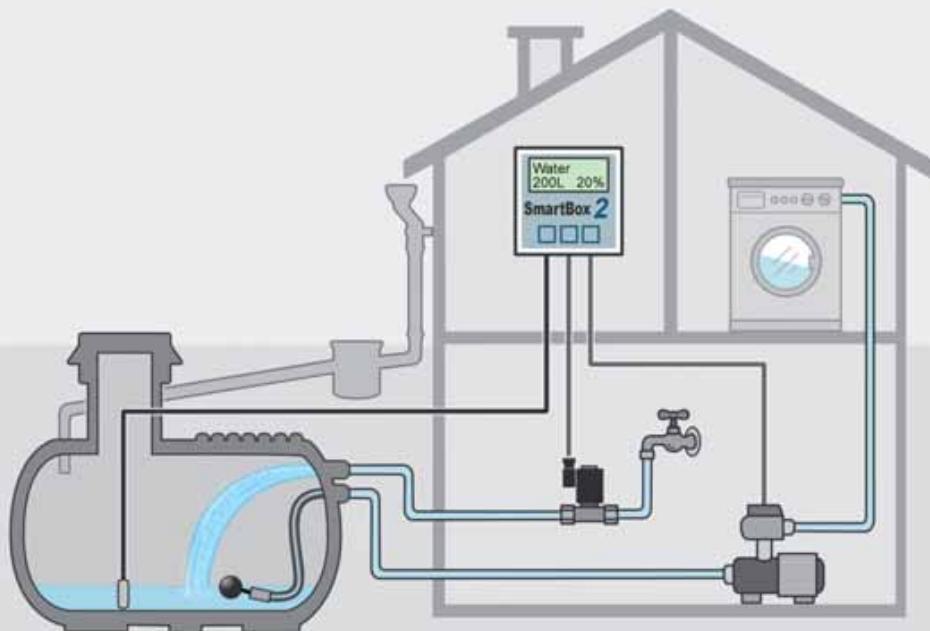
Indicating unit with probe

Accessories

Cable connecting box IP 66 breathable for extension of the probe up to 200 metres

Part no.		I	II	Z
15 801 00				
15 857 00				

Tank management



SmartBox 2 – “The level indicator with switching functions”

Sample application:

Complete control of a rainwater installation.

Tank management



SmartBox 2

The SmartBox 2 is an on-site level indicator for pressureless tanks with liquid materials and control functions.

The execution of different control functions e.g. for the external alarm, tank withdrawal changeover or the dry-run protection of a pump.

Operating materials e.g.

- Fuel oil according to DIN 51603-1
- Diesel fuel according to EN 590: 2004-03
- FAME (biodiesel) according to EN 14213 and EN 14214
- Hydraulic oils
- Motor oils
- Vegetable oils
- Urea solution e.g. AdBlue® according to DIN 70700
- Water (+1 °C to +70 °C)

Scope of delivery:

Indicating unit with 2-line LCD display, hydrostatic probe (standard probe with a measuring range of 250 mbar and a measuring accuracy of 1%) with 6 metres cable and accessories for assembly

Technical data

- Supply voltage: 230 V AC 50 Hz
- Measuring range: fuel oil for a maximum tank height of 2.90 m
water for a maximum tank height of 2.50 m
- Tank connector: G 1, G 1 1/2 or G 2
- Type of protection: IP 30
- 2 relays with break and make contact
maximum 250 V AC 50 Hz - maximum 3.5 A

Note

- The different steps of configuration and the displayed results are now also available in English.
- Additional functions and enlargements upon request.

SmartBox 2

Installation of box inside building, type of protection IP 30

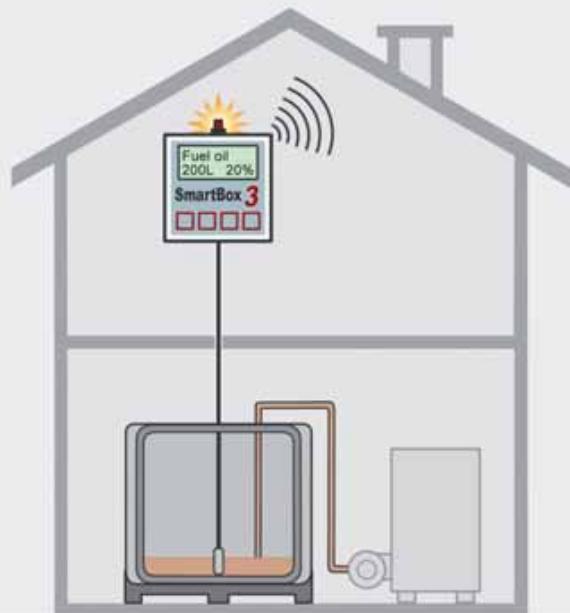
Indicating unit with probe

Accessories

Cable connecting box IP 66 breathable for extension of the probe up to 200 metres

Part no.		I	II	Z
15 802 00				
15 857 00				

Tank management



SmartBox 3 – “The level and minimum or maximum level indicator”

Sample application:

Contents determination and on-site indication with acoustic and visual alarm at critical filling levels.

Tank management



SmartBox 3

The SmartBox 3 is an one-site level indicator for pressureless tanks with liquid materials as well as acoustic and visual alarm including control function. A freely selectable minimum or maximum filling level between 0 and 99% can be set.

Operating materials e.g.

- Fuel oil according to DIN 51603-1
- Diesel fuel according to EN 590: 2004-03
- FAME (biodiesel) according to EN 14213 and EN 14214
- Hydraulic oils
- Motor oils
- Vegetable oils
- Urea solution e.g. AdBlue® according to DIN 70700
- Water (+1 °C to +70 °C)

Scope of delivery:

Indicating unit with 2-line LCD display, hydrostatic probe (standard probe with a measuring range of 250 mbar and a measuring accuracy of 1%) with 6 metres cable and accessories for assembly

Advantages and equipment

- Integrated visual and acoustic alarm transmitter

Technical data

- Supply voltage: 230 V AC 50 Hz
- Measuring range: fuel oil for a maximum tank height of 2.90 m
water for a maximum tank height of 2.50 m
- Tank connector: G 1, G 1 1/2 or G 2
- Type of protection: IP 30
- Relay with break and make contact
maximum 250 V AC 50 Hz - maximum 3.5 A

Note

- The different steps of configuration and the displayed results are now also available in English.
- Additional functions and enlargements upon request.

SmartBox 3

Installation of box inside building, type of protection IP 30

Indicating unit with probe

Part no.

I II Z

15 803 00

Accessories

Cable connecting box IP 66 breathable for extension of the probe up to 200 metres

15 857 00

Article list

Part no.	Page						
01 100 13	95	03 223 00	28	07 010 00	32	07 054 00	39
01 100 18	95	03 224 00	28	07 013 00	34	07 054 06	39
01 100 51	95	03 230 00	28	07 016 00	34	07 055 00	39
01 100 52	95	03 231 00	28	07 017 00	34	07 055 06	39
02 230 00	28	03 268 00	26	07 019 00	33	07 056 00	39
02 231 00	28	03 269 00	26	07 019 06	33	07 056 06	39
02 232 00	28	03 270 00	26	07 028 00	33	07 057 00	39
02 233 00	28	03 272 00	26	07 029 00	33	07 057 06	39
02 234 00	28	03 303 00	27	07 030 00	35	07 058 00	39
02 235 00	28	03 303 10	27	07 030 06	35	07 058 06	39
02 236 00	28	03 304 00	27	07 031 00	35	07 059 00	39
02 237 00	28	03 307 00	27	07 031 06	35	07 059 06	39
02 315 00	28	03 308 00	25	07 032 00	35	07 060 00	39
02 316 00	28	03 309 00	25	07 032 06	35	07 060 06	39
02 324 00	29	03 310 00	25	07 033 00	35	07 061 00	39
02 325 00	29	03 311 00	25	07 033 06	35	07 061 06	39
02 524 00	43	03 312 00	25	07 034 00	35	07 063 00	39
02 524 01	43	03 313 00	26	07 034 06	35	07 063 06	39
02 524 10	43	03 314 00	26	07 035 00	36	07 067 00	40
02 525 00	43	03 316 00	26	07 035 06	36	07 067 06	40
02 526 00	43	03 401 00	25	07 036 00	36	07 068 00	40
02 526 01	43	03 402 00	25	07 036 06	36	07 068 06	40
02 526 02	43	03 403 00	25	07 037 00	36	07 069 00	40
02 601 00	96	03 403 10	25	07 037 06	36	07 069 06	40
02 601 01	96	03 404 00	25	07 038 00	36	07 076 00	36
02 607 00	96	03 405 00	25	07 038 06	36	07 077 00	36
02 608 00	96	03 406 00	25	07 039 00	36	07 077 06	36
02 700 00	29	03 407 00	25	07 039 06	36	07 078 00	36
02 700 01	29	03 408 00	25	07 040 00	36	07 078 06	36
02 701 00	29	03 410 00	26	07 040 06	36	07 079 00	36
02 701 01	29	03 411 00	26	07 041 00	37	07 079 06	36
02 701 10	29	06 001 00	53	07 041 06	37	07 080 00	36
02 701 16	29	06 002 00	53	07 042 00	37	07 080 06	36
02 702 00	29	06 003 00	53	07 042 06	37	07 081 00	36
02 702 01	29	06 004 00	53	07 043 00	37	07 082 00	36
02 702 02	29	06 005 00	53	07 043 06	37	07 082 06	36
02 703 00	29	06 006 00	53	07 044 00	37	07 083 00	36
02 703 01	29	06 007 00	53	07 045 00	37	07 084 00	36
03 002 00	27	06 009 00	53	07 046 00	37	07 084 06	36
03 022 00	27	06 010 00	53	07 047 00	39	07 088 00	36
03 023 00	69	06 012 00	53	07 047 06	39	07 088 06	36
03 023 23	69	06 203 00	54	07 048 00	39	07 089 00	39
03 199 00	26	06 500 00	53	07 048 06	39	07 089 06	39
03 200 00	26	07 001 00	30	07 049 00	39	07 091 00	36
03 201 00	25	07 001 06	30	07 049 06	39	07 092 00	35
03 202 00	25	07 002 00	30	07 050 00	39	07 095 00	36
03 204 00	25	07 002 06	30	07 050 06	39	07 096 00	36
03 207 00	25	07 003 00	31	07 051 00	39	07 096 06	36
03 208 00	25	07 003 06	31	07 051 06	39	07 097 00	36
03 209 00	25	07 005 00	32	07 052 00	39	07 098 00	36
03 211 00	26	07 005 06	32	07 052 06	39	07 099 00	36
03 218 00	28	07 006 00	32	07 053 00	39	07 101 00	40
03 221 00	28	07 009 00	32	07 053 06	39	07 101 06	40

Article list

Part no.	Page		Part no.	Page		Part no.	Page		Part no.	Page
07 102 00	40		07 226 06	43		07 515 00	46		07 715 06	31
07 103 00	40		07 228 00	43		07 516 00	46		07 716 00	31
07 104 00	41		07 229 00	43		07 541 00	46		07 716 06	31
07 105 00	41		07 229 06	43		07 542 00	46		07 717 00	31
07 107 00	44		07 230 00	43		07 544 00	46		07 717 06	31
07 108 00	44		07 232 00	43		07 551 00	47		07 718 00	31
07 109 00	44		07 233 00	43		07 551 01	47		07 718 06	31
07 110 00	44		07 233 06	43		07 552 00	47		07 720 00	31
07 111 00	44		07 235 00	43		07 552 01	47		07 720 06	31
07 112 00	44		07 236 00	43		07 553 00	47		07 721 00	31
07 113 00	44		07 237 00	43		07 553 01	47		07 721 06	31
07 116 00	44		07 250 00	34		07 570 00	47		07 722 00	31
07 117 00	44		07 251 00	34		07 580 00	47		07 722 06	31
07 118 00	44		07 252 00	34		07 590 00	46		07 723 00	31
07 119 00	44		07 252 06	34		07 592 00	46		07 723 06	31
07 123 00	44		07 253 00	34		07 594 00	46		07 724 00	31
07 130 00	45		07 254 00	34		07 599 08	48		07 724 06	31
07 131 00	45		07 254 06	34		07 599 10	48		07 725 00	32
07 149 00	45		07 255 00	34		07 599 12	48		07 725 06	32
07 150 00	45		07 255 06	34		07 599 50	48		07 726 00	32
07 150 03	45		07 257 00	34		07 602 00	49		07 726 06	32
07 151 00	45		07 258 00	34		07 608 00	49		07 727 00	32
07 151 03	45		07 259 00	34		07 614 00	49		07 727 06	32
07 152 00	45		07 260 00	34		07 681 00	49		07 728 00	32
07 152 03	45		07 354 00	42		07 701 00	30		07 728 06	32
07 153 00	45		07 354 06	42		07 701 06	30		07 729 00	32
07 154 00	45		07 355 00	42		07 702 00	30		07 729 06	32
07 155 00	45		07 355 06	42		07 702 06	30		07 730 00	32
07 156 00	45		07 356 00	42		07 703 00	30		07 730 06	32
07 158 00	45		07 356 06	42		07 703 06	30		07 731 00	32
07 159 50	45		07 357 00	42		07 704 00	30		07 731 06	32
07 170 00	45		07 357 06	42		07 704 06	30		07 732 00	32
07 171 00	45		07 371 00	42		07 705 00	30		07 732 06	32
07 172 00	45		07 371 06	42		07 705 06	30		07 733 00	32
07 173 00	45		07 372 00	42		07 706 00	30		07 733 06	32
07 174 00	45		07 372 06	42		07 706 06	30		07 734 00	34
07 175 00	45		07 373 00	42		07 707 00	30		07 734 06	34
07 176 00	45		07 373 06	42		07 707 06	30		07 735 00	34
07 190 10	44		07 374 00	42		07 708 00	30		07 735 06	34
07 191 10	44		07 440 00	37		07 708 06	30		07 736 00	34
07 192 10	44		07 443 00	37		07 709 00	30		07 736 06	34
07 193 10	44		07 446 00	37		07 709 06	30		07 737 00	34
07 194 10	44		07 447 00	37		07 710 00	30		07 738 00	34
07 195 10	44		07 450 00	37		07 710 06	30		07 738 06	34
07 196 10	44		07 453 00	37		07 711 00	30		07 739 00	34
07 221 00	43		07 456 00	37		07 711 06	30		07 740 00	33
07 221 06	43		07 502 00	46		07 712 00	30		07 740 06	33
07 223 00	43		07 503 00	46		07 712 06	30		07 741 00	33
07 223 06	43		07 504 00	46		07 713 00	31		07 741 06	33
07 224 00	43		07 508 00	46		07 713 06	31		07 742 00	33
07 225 00	43		07 509 00	46		07 714 00	31		07 742 06	33
07 225 06	43		07 510 00	46		07 714 06	31		07 743 00	33
07 226 00	43		07 514 00	46		07 715 00	31		07 744 00	33

Article list

Part no.	Page		Part no.	Page		Part no.	Page		Part no.	Page
07 744 06	33		07 781 06	41		07 855 00	41		08 035 01	60
07 747 00	33		07 782 00	41		07 856 00	41		08 036 01	60
07 748 00	33		07 782 06	41		07 861 00	30		08 037 01	60
07 748 06	33		07 783 00	41		07 862 00	36		08 038 01	60
07 749 00	33		07 784 00	41		07 863 00	30		08 048 00	60
07 749 06	33		07 784 06	41		07 868 00	35		08 049 00	60
07 750 00	33		07 785 00	41		07 871 00	42		08 050 00	59
07 753 00	33		07 785 06	41		07 872 00	42		08 051 00	59
07 753 06	33		07 786 00	41		07 872 06	42		08 053 00	60
07 755 00	33		07 787 00	41		07 873 00	42		08 054 00	60
07 756 00	33		07 788 00	35		07 873 06	42		08 055 00	60
07 757 00	33		07 788 06	35		07 874 00	42		08 056 00	60
07 757 06	33		07 789 00	35		07 874 06	42		08 057 00	60
07 758 00	33		07 789 06	35		07 875 00	42		08 058 00	60
07 759 00	33		07 791 00	35		07 875 06	42		08 059 00	60
07 760 00	33		07 791 06	35		07 876 00	42		08 060 00	60
07 761 00	33		07 792 00	35		07 877 00	42		08 061 00	59
07 761 06	33		07 792 06	35		07 880 00	49		08 062 00	59
07 762 00	33		07 793 00	35		07 892 00	37		08 063 00	59
07 762 06	33		07 793 06	35		07 894 00	30		08 064 00	59
07 763 00	33		07 794 00	35		07 895 00	30		08 065 00	59
07 763 06	33		07 794 06	35		07 896 00	36		08 066 00	59
07 764 00	40		07 795 00	35		07 897 00	31		08 067 00	59
07 764 06	40		07 795 06	35		07 900 00	55		08 068 00	59
07 765 00	40		07 796 00	35		07 900 06	55		08 083 00	54
07 765 06	40		07 796 06	35		07 901 00	55		08 084 00	54
07 766 00	40		07 797 00	35		07 901 06	55		08 085 00	54
07 766 06	40		07 797 06	35		07 902 00	55		08 092 00	54
07 767 00	40		07 798 00	35		07 902 06	55		08 093 00	54
07 767 06	40		07 798 06	35		07 903 00	55		08 094 00	54
07 768 00	40		07 799 00	35		07 903 06	55		08 095 00	54
07 768 06	40		07 799 06	35		07 904 00	55		08 096 00	54
07 769 00	40		07 800 00	35		07 904 06	55		08 100 00	54
07 769 06	40		07 800 06	35		07 905 00	55		08 101 00	59
07 770 00	40		07 802 00	37		07 905 06	55		08 102 00	59
07 770 06	40		07 804 00	37		07 911 00	38		08 103 00	59
07 771 00	40		07 811 00	32		07 912 00	38		08 104 00	59
07 771 06	40		07 811 06	32		07 913 00	38		08 105 00	59
07 772 00	40		07 814 00	37		07 914 00	38		08 106 00	59
07 772 06	40		07 815 00	37		07 916 00	38		08 108 00	59
07 773 00	40		07 819 00	33		07 917 00	38		08 109 00	59
07 773 06	40		07 821 00	33		07 918 00	38		08 110 00	59
07 774 00	40		07 822 00	33		07 950 00	37		08 111 00	59
07 774 06	40		07 834 00	32		07 950 06	37		08 112 00	60
07 775 00	40		07 844 00	35		07 951 00	37		08 113 00	59
07 775 06	40		07 845 00	39		07 951 06	37		08 114 00	59
07 778 00	41		07 846 00	31		07 952 00	37		08 115 00	60
07 778 06	41		07 848 00	30		07 952 06	37		08 116 00	59
07 779 00	41		07 849 00	30		07 953 00	37		12 006 00	56
07 779 06	41		07 851 00	41		07 953 06	37		12 007 00	56
07 780 00	41		07 852 00	41		07 954 00	37		12 008 00	56
07 780 06	41		07 853 00	41		08 033 01	60		12 009 00	56
07 781 00	41		07 854 00	41		08 034 01	60		12 010 00	56

Article list

Part no.	Page		Part no.	Page		Part no.	Page		Part no.	Page
12 011 00	56		12 162 00	58		13 501 00	69		13 852 54	67
12 013 00	56		12 163 00	58		13 504 00	68		13 860 10	66
12 014 00	56		12 164 00	58		13 504 01	68		13 861 00	64
12 015 00	56		12 165 00	58		13 504 02	68		13 861 11	64
12 026 00	56		12 167 00	58		13 504 03	68		13 861 71	64
12 028 00	56		12 169 00	58		13 504 04	68		13 861 72	64
12 029 00	56		12 262 00	58		13 513 00	63		13 990 01	66
12 030 00	56		12 263 00	57		13 513 01	63		14 014 00	19
12 063 00	57		12 264 00	57		13 513 05	63		14 490 00	50
12 064 00	57		12 265 00	57		13 513 06	63		14 493 00	50
12 065 00	57		12 265 12	57		13 513 80	63		14 493 01	50
12 065 12	57		12 265 15	57		13 514 02	63		15 004 00	4
12 065 15	57		12 267 00	58		13 514 03	63		15 029 00	5
12 068 00	57		12 516 00	19		13 514 13	63		15 030 00	4
12 068 01	57		13 001 00	68		13 517 00	63		15 030 01	4
12 069 00	57		13 001 15	68		13 517 05	63		15 030 03	4
12 069 01	57		13 002 00	68		13 517 06	63		15 030 04	4
12 070 00	57		13 007 22	52		13 600 00	93		15 030 33	4
12 070 01	57		13 007 23	67		13 602 00	63-64, 94		15 030 34	4
12 073 00	57		13 007 27	67		13 606 00	93		15 031 00	4
12 074 00	57		13 007 37	67		13 606 12	50		15 031 10	4
12 075 00	57		13 009 21	67		13 606 13	50		15 032 00	4
12 077 00	57		13 009 27	67		13 610 00	63, 94		15 035 00	5
12 078 00	57		13 022 00	19		13 610 60	63, 94		15 036 00	4
12 079 00	57		13 022 01	19		13 620 00	95		15 037 00	5
12 080 00	57		13 023 00	65		13 850 19	67		15 038 00	4
12 080 01	57		13 049 00	65		13 850 21	67		15 041 00	4
12 090 00	56		13 049 04	65		13 850 22	67		15 041 10	4
12 091 00	56		13 050 00	65		13 850 23	67		15 043 00	5
12 092 00	56		13 050 04	65		13 850 24	67		15 043 01	5
12 093 00	56		13 051 00	65		13 850 25	67		15 044 00	5
12 094 00	56		13 051 04	65		13 850 49	67		15 044 01	5
12 099 00	58		13 051 08	65		13 850 88	67		15 045 00	5
12 103 00	23		13 062 05	52		13 851 00	64		15 045 01	5
12 103 40	23		13 062 06	52		13 851 05	64		15 046 00	5
12 105 00	23		13 063 05	52		13 851 10	64		15 046 01	5
12 105 40	23		13 063 06	52		13 851 11	64		15 050 00	5
12 106 00	23		13 066 05	52		13 851 29	67		15 050 01	5
12 106 40	23		13 066 06	52		13 851 33	67		15 051 00	5
12 108 00	23		13 067 05	52		13 851 34	67		15 051 01	5
12 108 40	23		13 067 06	52		13 851 53	67		15 052 00	5
12 110 00	23		13 079 00	50		13 851 54	67		15 052 01	5
12 110 40	23		13 080 00	50		13 851 56	67		15 052 03	5
12 113 00	23		13 080 01	50		13 851 60	67		15 054 00	23
12 113 40	23		13 081 00	50		13 851 62	67		15 055 00	23
12 114 00	23		13 082 00	50		13 851 65	67		15 058 00	23
12 114 40	23		13 083 00	50		13 851 67	67		15 063 00	24
12 145 00	56		13 084 00	50		13 851 68	67		15 072 01	84
12 146 00	56		13 087 00	50		13 851 71	64		15 072 32	84
12 147 00	56		13 093 00	50		13 851 72	64		15 072 37	84
12 148 00	56		13 110 00	54		13 851 80	67		15 072 46	84
12 160 00	58		13 211 00	76		13 851 81	67		15 072 47	84
12 161 00	58		13 212 00	76		13 852 53	67		15 072 48	84

Article list

Part no.	Page		Part no.	Page		Part no.	Page		Part no.	Page
15 072 59	83		15 095 29	87		15 402 13	85		16 441 41	20
15 072 60	83		15 096 00	87		15 402 14	85		16 441 75	20
15 072 65	83		15 096 03	87		15 402 15	85		17 001 00	88
15 072 99	84		15 098 00	93		15 402 24	85		17 004 00	89
15 073 00	79		15 099 35	13		15 402 25	85		17 004 10	89
15 073 01	79		15 100 10	24		15 402 26	85		17 004 11	89
15 073 90	79		15 108 00	24		15 510 10	73		17 100 00	70
15 073 92	79		15 109 00	24		15 511 10	73		17 101 00	70
15 073 97	79		15 110 10	24		15 511 11	73		17 105 00	70
15 073 98	79		15 113 00	24		15 511 12	73		17 106 00	70
15 074 00	79		15 114 00	24		15 512 10	74		17 110 00	70
15 076 00	16		15 115 00	24		15 513 00	75		17 111 00	70
15 077 00	16		15 116 00	24		15 550 00	55		17 115 00	70
15 078 00	19		15 141 00	24		15 700 00	7		17 115 07	70
15 078 99	19		15 142 00	24		15 705 00	7		17 120 00	71
15 079 19	19		15 150 00	24		15 800 00	91		17 121 00	71
15 079 20	19		15 151 00	24		15 801 00	99		17 122 00	71
15 079 21	19		15 173 00	81		15 802 00	101		17 123 00	71
15 079 22	19		15 174 00	80		15 803 00	103		17 124 00	71
15 079 23	19		15 186 00	15		15 857 00	99, 101,		17 125 00	71
15 079 24	19		15 187 00	15			103		17 127 00	71
15 079 25	19		15 189 00	15		16 330 01	21		17 128 00	71
15 079 26	19		15 225 00	51		16 401 00	21		17 129 00	71
15 079 27	19		15 227 00	51		16 404 00	21		17 130 00	71
15 079 28	19		15 227 01	51		16 411 00	21		17 131 00	71
15 079 29	19		15 227 03	51		16 411 70	21		17 511 00	86
15 080 00	9		15 227 06	51		16 414 00	21		17 511 10	86
15 080 04	9		15 227 07	51		16 421 00	21		18 205 00	13
15 080 09	13		15 227 20	51		16 424 00	21		20 013 97	95
15 080 10	9		15 230 00	23		16 429 00	20		25 520 28	67
15 080 40	12		15 238 00	23		16 429 01	20		25 520 33	52
15 080 41	12		15 276 00	17		16 429 16	20		25 520 76	29
15 080 42	12		15 276 01	17		16 430 00	20		25 520 77	29
15 080 43	12		15 276 02	17		16 430 01	20		25 520 85	29
15 080 44	12		15 277 00	17		16 430 15	20		25 521 64	67
15 080 60	12		15 277 01	17		16 430 16	20			
15 080 61	12		15 277 02	17		16 430 41	20			
15 080 62	12		15 278 00	10		16 430 58	22			
15 080 80	12		15 289 00	23		16 430 59	22			
15 080 81	12		15 304 00	11		16 430 60	20			
15 080 82	12		15 304 10	11		16 430 61	20			
15 081 41	12		15 305 00	9		16 430 70	20			
15 081 42	12		15 305 04	9		16 430 71	20			
15 082 06	13		15 308 10	22		16 430 75	20			
15 085 00	16		15 378 00	22		16 430 78	22			
15 087 00	13		15 379 00	13		16 430 79	22			
15 090 00	23		15 400 00	85		16 434 00	20			
15 095 00	87		15 400 10	85		16 434 01	20			
15 095 03	87		15 401 00	85		16 438 02	20			
15 095 20	87		15 401 10	85		16 440 00	20			
15 095 21	87		15 402 10	85		16 440 02	20			
15 095 23	87		15 402 11	85		16 440 42	20			
15 095 28	87		15 402 12	85		16 441 02	20			

Abbreviations and units

ABS	= acrylonitrile butadiene styrene plastic	Hz	= hertz
ALU	= aluminium	Inox	= stainless steel, also short symbol "x"
ATEX	= Directive 94/9/EC on equipment and protective systems intended for use in potentially explosive atmospheres	kg/h	= nominal flow in kilogramme per hour
bar	= unit of measurement for pressure	KN	= inner cone
CPD	= EC Construction Products Directive 89/106/EEC	l/h	= nominal flow in litre per hour
Cu	= copper	LAG	= leak detector
DIBt	= Deutsches Institut für Bautechnik (German institute for building technique)	lh	= left-hand thread
DL	= olive steel for compression fitting, light series	M	= male thread
DLL	= olive steel for compression fitting, very light series	ML	= coupling nut for olive, light series
DLMS	= olive brass	MLL	= coupling nut for olive, very light series
DN	= nominal diameter in mm for compression fitting, light series	MOP	= corresponds to PS
DVGW	= German Technical and Scientific Association for Gas and Water	MS	= brass
F	= female thread	NBR	= nitrile butadiene rubber
FAME	= fatty acid methyl ester	NPT	= taper pipe thread according to ANSI B.1.20.1-1983
FKM	= fluoroelastomer	PE-HD	= polyethylene high density
G	= parallel female or male thread according to EN ISO 228-1	PED	= EC Pressure Equipment Directive 97/23/EC
G 3/8-O	= female thread G 3/8 for use with O-ring	PS	= maximum admitted pressure
G 3/8-UA	= female thread G 3/8 for a clamping connection of version G	R	= taper male thread according to EN 10226-1
G 3/8-UA-O	= female thread G 3/8 for a clamping connection of version G or use with O-ring	Rp	= parallel female thread according to EN 10226-1
GRP	= glass-fibre reinforced plastic	Siku	= sintered plastics
		UA	= universal connectors
		ÜHP	= German declaration of compliance of the manufacturer after testing carried out by a certified body
		V	= volt
		VA	= volt-ampere = watt
		W	= watt

Use of GOK products

when using biogenous fuels



The long-term use of biogenous fuels can contribute effectively to the reduction of greenhouse gases.

The prestandard DIN V 51603-6 "Liquid fuels – Fuel oils – Part 6: Fuel oil EL A, Requirements" describes what we understand today by biogenous fuels.

Hidden behind the description "Fuel oil EL A Bio X" is a fuel oil EL with alternative component ("A") and the respective maximum contents of bio components in steps of 5% (V/V) ("Bio X"). A bio component can be a fatty acid methyl ester (FAME).

For the owner of an oil-fired burner it is important to know if the oil installation with storage tank, piping and filter runs also safely with biogenous fuels.

For this purpose, intensive studies as field tests in oil installations have been carried out for five years at IWO, BDH and the manufacturers of tanks and fittings.

Studies in our trial oil plant confirmed the suitability for biogenous fuels for selected GOK products used in oil supply. The elastomers made of NBR (nitrile butadiene rubber) as parts of our products were replaced by elastomers made of FKM (fluor rubber) to respect the tightness requirements.

In order to avoid a reduction of the storage stability of the biogenous fuel, we recommend the single conduit system for the oil supply.

Products for use with biogenous fuels are marked in our sales documents by the logo "BIO suitable" (for BIO fuels).

The product groups "Pipe system" and "Filters" can be used for fuel oil according to DIN V 51603-6 – EL A Bio 20 with a maximum of 20% (V/V) FAME (RME).

All other product groups are suitable for the following biogenous fuels:

- Fuel oil according to DIN V 51603-6 – EL A Bio
- FAME according to DIN EN 14213 and DIN EN 14214
- Vegetable oil.

Proof of suitability:

- Except for the filter-deaerator system GS Pro-Fi 3, the single conduit filter with return line type 500ERAZ and the single conduit filter type 500EAZ and type 500EZ, the ÜHP¹⁾ approval for the products is limited for the time being to the combustible fuel oil EL according to DIN 51603-1.
- The extension of the application area to biogenous fuels is currently reviewed by the inspection authorities.
- The draft of EN 12514:2009 "Parts for supply systems for consuming units with liquid fuels" with its parts 1 to 4 is now suitable for the certification of products for oil supply.
- Products with national technical approval have a proof of suitability for FAME according to EN 14213 and EN 14214²⁾.

The GOK product range for oil firing installations with biogenous fuels will be continuously expanded. We will keep you informed.

¹⁾ Declaration of compliance of the manufacturer with prior inspection by an admitted inspection authority

²⁾ Not membrane-controlled anti-siphon device type HS-V and HS-F, but the successor version HS-V.2

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Index

A		E		N
Accessories		Exchange limit indicator	11	Negative pressure test equipment
- for fuel oil filter	67	F		94
- for oil metre	89	Fastening		Non-return valve
Adapter	43, 50-52	- bolt	60	23, 54
Alarm whistle	13	- clamp	28	O
Aluplast pipe	54	Feeding unit	86	Oil
Anti-siphon device	73-76	Filling		- aspiration pump
Assembling auxiliary	48, 53	- device	4, 5	94
B		- hole plug	4	- filler
Ball valve	29	- hole plug for low-sulphur fuel oil	4	4-5
Bayonet filling hole plug	4	- level indicator	99, 101, 103	- fittings combination
Bending device for pipes	53	Filter	63-65	66
Blind plug with coupling nut	44	- elements	67	- metre
Brass		Floating		88-89
- ball valve	29	- oil regulator Toby	70	- pressure accumulator
- bulkhead compression fitting	49	- withdrawal	20-22	86
- compression fitting	49	Fuel oil emergency supply set	66	- pressure reducer
Bulkhead compression fitting		G		68-69
- elbow	42	Gland	24	- pressure regulator
- elbow brass	49	H		68-69
- elbow stainless steel	47	Hose assembly	23, 56-58	- siphon pump
- straight	42	- for central heating systems	57	87
- straight brass	49	- for central oil supply installations	56	- volume and operating hours metre
- straight stainless steel	47	- for special burners	58	Olive
Burner connection set	80	I		- brass
C		Isolating		45
Cable connection fitting	13	- connector	55	- connector
Changeover valve	27	- separation connector	55	30-49, 52, 54
Clamping		L		- stainless steel
- connector	51	Leakage safety device	81	- steel
- ring connector	51, 54	Leak		45
Clamp with screwed thread	59	- alarm	79	Overfilling safety device
Combined fuel oil filter and deaerator	63	- detection system	79-81	7, 9-13
Compression fitting	30-49, 52, 54	- detector	83, 85	P
- cross	31	- detector basis: liquid	83	Pin pipe clamp
- elbow	30	- detector basis: vacuum	85	Pipe
- elbow adjustable	42	- detector spray	96	53-54
- elbow brass	49	- indication system	79, 83, 85	- bending device
- elbow stainless steel	46	- monitoring	79-81, 83, 85	- clamp
- straight	30	Level gauge	15-17, 19, 99, 101, 103	- clamp metal
- straight brass	49	- pneumatic	19	- clamp plastic
- straight stainless steel	46	- smell-free version	16-17	- clip
- T-shape	31	- with electronic remote indicator	15	- fastener
- T-shape brass	49	Lever valve	22	59-60
- T-shape stainless steel	46	Limit indicator	9, 11-12	- spring pressure gauge
Compression ring connector	51	- filling hole plug	5	Plastic pipe clamp
Connection device for limit indicator	13	- fitting	13	Plug for limit indicator
Connector	24	- plug	13	Pneumatic level gauge
Control valve	29	- test equipment	93	Pre-assembly socket
Coupling nut	44	- with level gauge	10	Pressure
- stainless steel	47	M		- compensation valve
D		Manometer	95	- gauge
Deaerating device	63	Membrane-controlled anti-siphon device	73-75	- test
Deaerator	63	Metal pipe clamp	60	Pump
Dip tube plug	5	MIC combined service box	69	Q
Double				Quick-acting
- conduit filter	64			- angle stop valve
- spherical foot valve	23			28
				- branch stop valve
				27
				- stop fitting
				25-29
				- stop valve
				25-26
				R
				Reducer
				Reducing
				- compression fitting elbow
				34
				- compression fitting straight
				32
				- compression fitting T-shape
				33
				- socket straight
				43
				Regulator for fuel oil heater
				70
				Reinforcement ring
				54
				Release cord for suction kits
				22
				Remote level
				- gauge electronic
				99, 101, 103
				- indicator electronic
				99, 101, 103

Index

R

Replacement	
- part for Toby oil regulator	70
- regulator for MIC combined service box	69
Retrofit set	
- floating withdrawal	22
- for electronic level gauge	15
- tank spy	16
S	
Safety device	
- against excessive pressure	55
- against overfilling	9-12
- against siphoning	73-76
- for leak detection	79
Screw-in compression fitting	
- elbow conical thread	39
- elbow conical thread stainless steel	46
- elbow NPT	39
- straight conical thread	35
- straight conical thread stainless steel	46
- straight NPT	37
- straight parallel thread	34, 36-37, 52
- T-shape conical thread	40
Screw-in socket straight parallel thread	38
Screw-on compression fitting	
- elbow	41
- straight	40
Sealant	96
Sealing ring	37
Seamless precision steel pipe	53
Separation connector isolated	55
Shut-off	
- device	25-29
- valve	28
Single conduit filter	63-65
Siphoning safety device	73-75
Sliding means	48
SmartBox 1	99
SmartBox 2	101
SmartBox 3	103
Soldering socket	50
Solenoid valve anti-siphon device	76
- connection set	76
Soundness control unit	93
Stainless steel compression fitting	46-47
Steel pipe	53
Suction device	20-22
Suction kit	20-21

U

Universal connectors	51
Universal set	51
V	
Vacuum leak detector	85
Valve	25-29
Vent	
- cap	5
- device	5
W	
Wall door for filling hole plug	13
Welding connector straight	41
Withdrawal hose assembly	23

T

Tank	
- connector	24
- hose assembly	23
- spy	16
- withdrawal kit	20-21
Teflon tape	96
Test equipment	94
- for limit indicator	93
- for pump pressure	93
Threaded socket	50
T-piece with negative pressure gauge	95
Two-way valve	27

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