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Association





Factory Riedstadt

About us

The Rapid Group has its origins in 1948 and builds its future on 75 years of experience. We see change in our industry as an opportunity. Through the direct dialogue with our customers, we have developed a unique understanding of customer requirements. This is how we ensure our success and set standards in the competition.

Due to the consequent focus on sustainability and on delivering premium quality, Rapid Group optimizes operations more effective, safer and more environmentally compatible than ever.

Rapid Group is one of the most successful manufacturers of tools and workshop facilities and ranks as a medium-sized industrial enterprise in Germany. With rapid[®], Rapid-SCS[®], PNEU-TEC[®], TRELAWNY[™] and HELVI[®] five of the strongest premium brands in the workshop industry are united within the company. Rapid Group's products set highest standards regarding ergonomics, technology and quality and thereby reflect the company's leading position in innovation and engineering.

At your service

Applying a long-term perspective and acting responsibly are the foundations of the company's economic success. Ecological and social sustainability along the whole value chain, extensive product responsibility as well as resource conservation are strongly embedded in Rapid Group's strategy. The company aims at shaping the workflows of the future actively and innovatively.

The performance potential of Rapid Group's production network is based on its employees' exceptional commitment to and identification with the company and well as their profound know-how. Besides future-oriented technology and modern installation engineering, qualified staff is key to producing premium products. Systematic cross-linkage with internal and external partners as well as target-oriented transfer of knowledge ensure that customers receive their quality product on time today and in the future.



Company principles

- We represent quality
- We appreciate employees and partner
- We respect human rights
- We accept responsibility
- We are result oriented
- We are flexible and innovative
- We are creative and networking
- We respect environment
- We set high value to corporate sustainability

Employ our services for:

- Complex reeling methods
- For secure storage systems
- Central oil conveying systems
- For AdBlue[®]-supply
- Central grease conveying systems
- Central waste oil management
- Professional cleaning systems
- Future-oriented electric mobility
- Central air conveying systems
- Special truck bodies



Rapid Group trade fair and sales team

We - for you

Rapid's sales team is at your service not only via print media and online, but we are also present at various exhibitions. By attending trade fairs we ensure close contact to our customers, their needs and we remain in touch with trade and ahead of our competition. Visit us at the international trade fair automechanika in Frankfurt or at AutoZum in Salzburg.

Our technical application consultants are at your service at national trade fairs and competitive exhibitions of our sales partners: CARAT GmbH & Co. KG in Kassel, Alliance Automotive Service GmbH in Münster, COPARTS GmbH in Göttingen und Frankfurt, Ernst Markmiller GmbH in Deggendorf, Johannes J. Matthies GmbH

& Co. KG in Hamburg, PV Automotive GmbH in Hannover, STAHLGRUBER GmbH in München, Nürnberg, Sindelfingen, Chemnitz und Frankfurt as well as WM SE in Dortmund, Berlin, München and Stuttgart.

Visit us – we are at your service.

... and check out our YouTube channel „RapidGmbH“.

Orders /Requests

We ask you to direct first orders in writing by mail or by fax using the official letter of your company as these can be processed in this way only.

Our terms of payment and delivery are valid as well when ordering by phone

Phone +49 (61 58) 929 80-0
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Internet www.rapid-group.de
E-Mail info@rapid-group.de

Delivery times

Our permanent endeavour is to deliver all ordered products as soon as possible. Products we have in stock will be delivered in 1 - 3 days. Standard products have a delivery time of 10 - 14 days. The time of delivery for non-standard products is subject to agreement.

Terms of delivery and payment

All deliveries are liable to our terms of delivery and payment, ex works, exclusive packaging. All information, pictures and descriptions serve for illustration purposes only.

Terms of payment:
10 days net

Packaging

When your order does not exceed the amount of EUR 150,00, we charge you a shipping flat rate of **EUR 8,00**

up to 150,00 EUR **3,5%** on good's amount
 up to 500,00 EUR **3,0%** on good's amount
 up to 2500,00 EUR **2,0%** on good's amount

Shipments

All our shipments up to 30 kg are shipped on the quickest as well as the cheapest way with a **parcel service**. Shippments exceeding 30 kg are shipped with a **transport company**.

Thanks to the system **DIAD** (Delivrey Information Acquisition Device) we are able to locate shipments at any point of time or who at what time received the delivery at your company.

Business hours

Monday - Thursday	8:00 am till 12.30 pm
and	1:30 pm till 4.30 pm
Friday	8:00 am till 2.30 pm

Prices

Prices do not include taxes and are subject to change. Charges for calibration and freight are no subject to discount.

All orders are subject to our general terms and conditions (refer to page 243).

Validity of catalog

With this current catalogue no. 75 (edition 07/2024) all previous catalogs are not valid anymore.

This applies for the prices as well as for the description of all goods.

RAPID GROUP

presents brands



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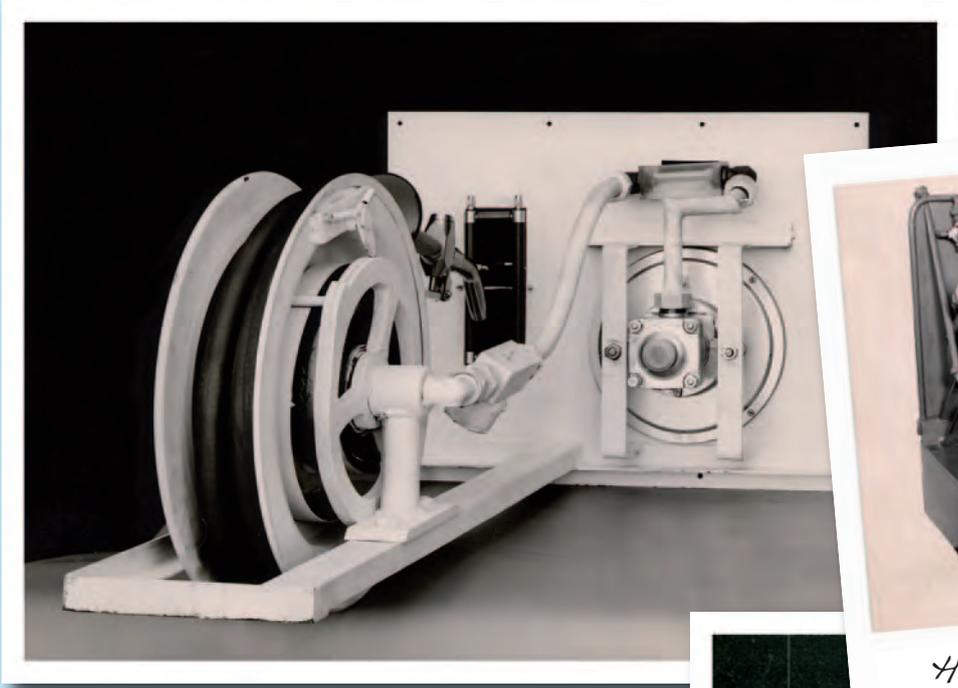
Reinhold Elter



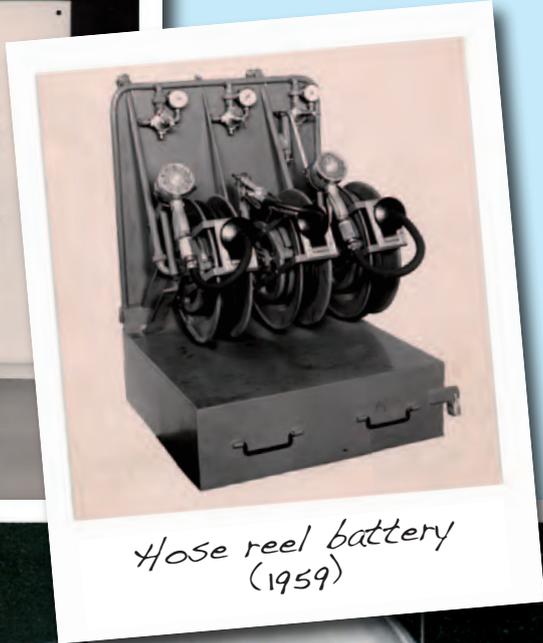
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◀ Oil dispensing unit (1957)



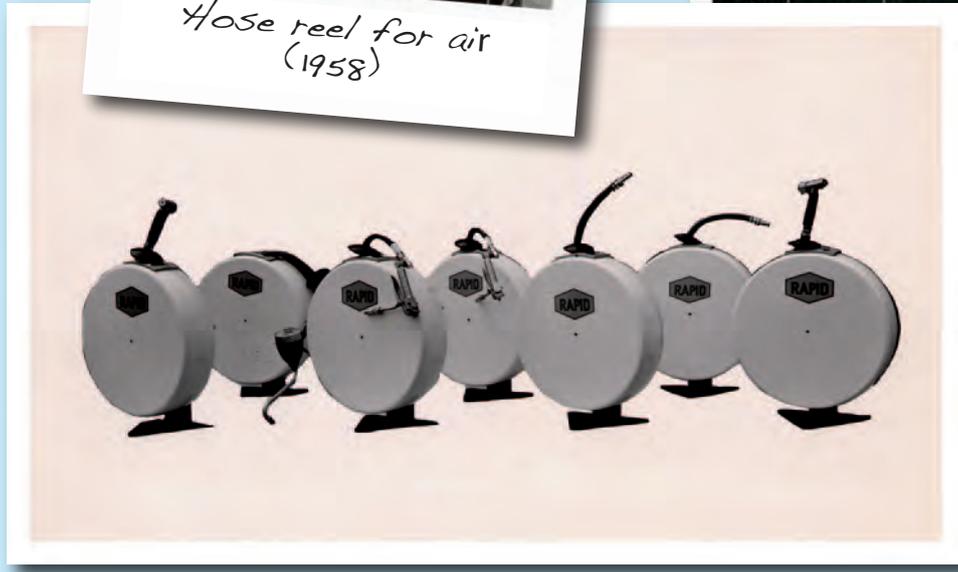
Hose reel battery (1959)



Hose reel for air (1958)



▲ Hose reel with special wall arm (1964)

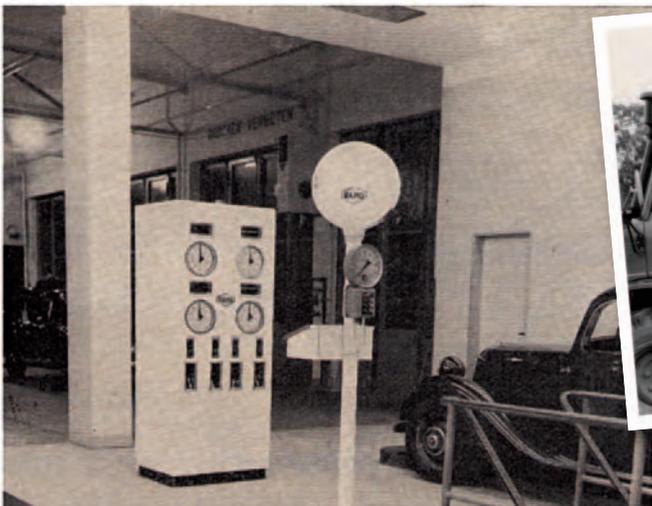


◀ Hose reels for compressed air, water, oil & grease (1964)

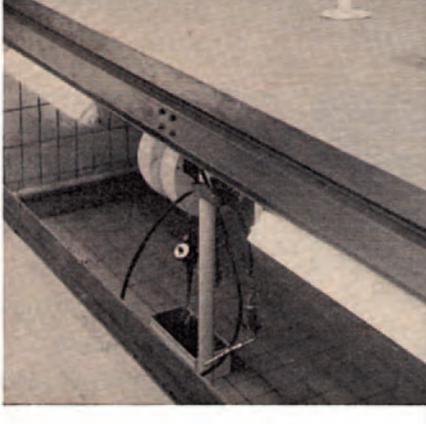
◀ Oil dispensing counter (1958)



*Foot grease gun
(1950)*



▲ Mobile supply station
(1958)



▲ Oil dispensing cabinet & hose reel in a car workshop



Maintenance body on DB Unimog (1978) ▶

TYPE SERIES 0

■ Incl. cable up to max. 35 m /230 V
or max. 30 m /400 V

■ Available with Schuko- or CEE-plug,
hand lamp and ground clamp

■ Detachable multiple
detents per rotation

■ Closed plastic housing,
blue

■ Fully insulated, incl. protection
against overheating

■ Optional with Rapid-SCS[®]

■ Protection
category IP 24

■ Reeling up by
retraction spring



RAPID
SCS[®]
Safety Control System

SCS is an registered trade mark with an intelligent safety system for spring operated automatic hose reels.

The system limits the retraction speed to an un-hazardous extent and prevents the hose to roll up accidentally uncontrolled and so, avoids damages and injuries.

TYPE SERIES 1

■ Incl. PU-hose up to max. 15 m NPS 06 and NPS 08, 20 m NPS 10 and 15 m NPS 12

■ Closed plastic housing, blue

■ Multiple detents per rotation

■ Optional with Rapid-SCS®

■ Reeling up by retraction spring

■ Detachable multiple detents per rotation

■ Suitable for compressed air, up to 10 bar



RAPID
SCS®
 Safety Control System

SCS is a registered trade mark with an intelligent safety system for spring operated automatic hose reels.

The system limits the retraction speed to an un-hazardous extent and prevents the hose to roll up accidentally uncontrolled and so, avoids damages and injuries.

TYPE SERIES 2

■ Freestanding, therefore usable without fixed installation due to its tare weight

■ Flexible use through comfortable carrying handle

■ Incl. PVC-hose
30 m NPS 10

■ Multiple detents
per rotation

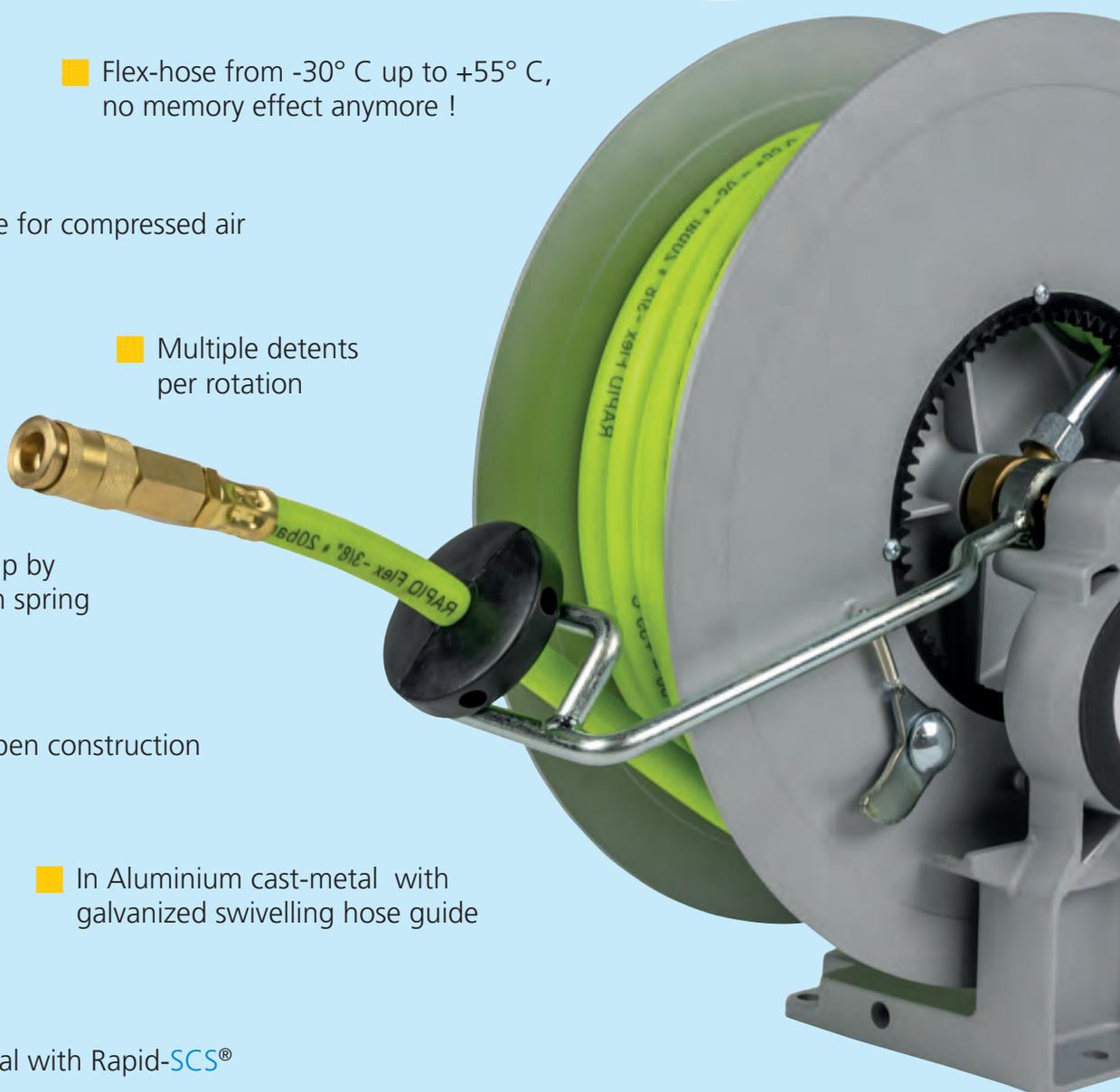
■ Reeling up by
retraction spring

■ Suitable for
compressed air up to 15 bar



TYPE SERIES 3-Flex

- incl. special flex-hose up to max. 20 m NPS 10
- Flex-hose from -30° C up to +55° C, no memory effect anymore !
- Suitable for compressed air
- Multiple detents per rotation
- Reeling up by retraction spring
- Open construction
- In Aluminium cast-metal with galvanized swivelling hose guide
- Optional with Rapid-SCS®



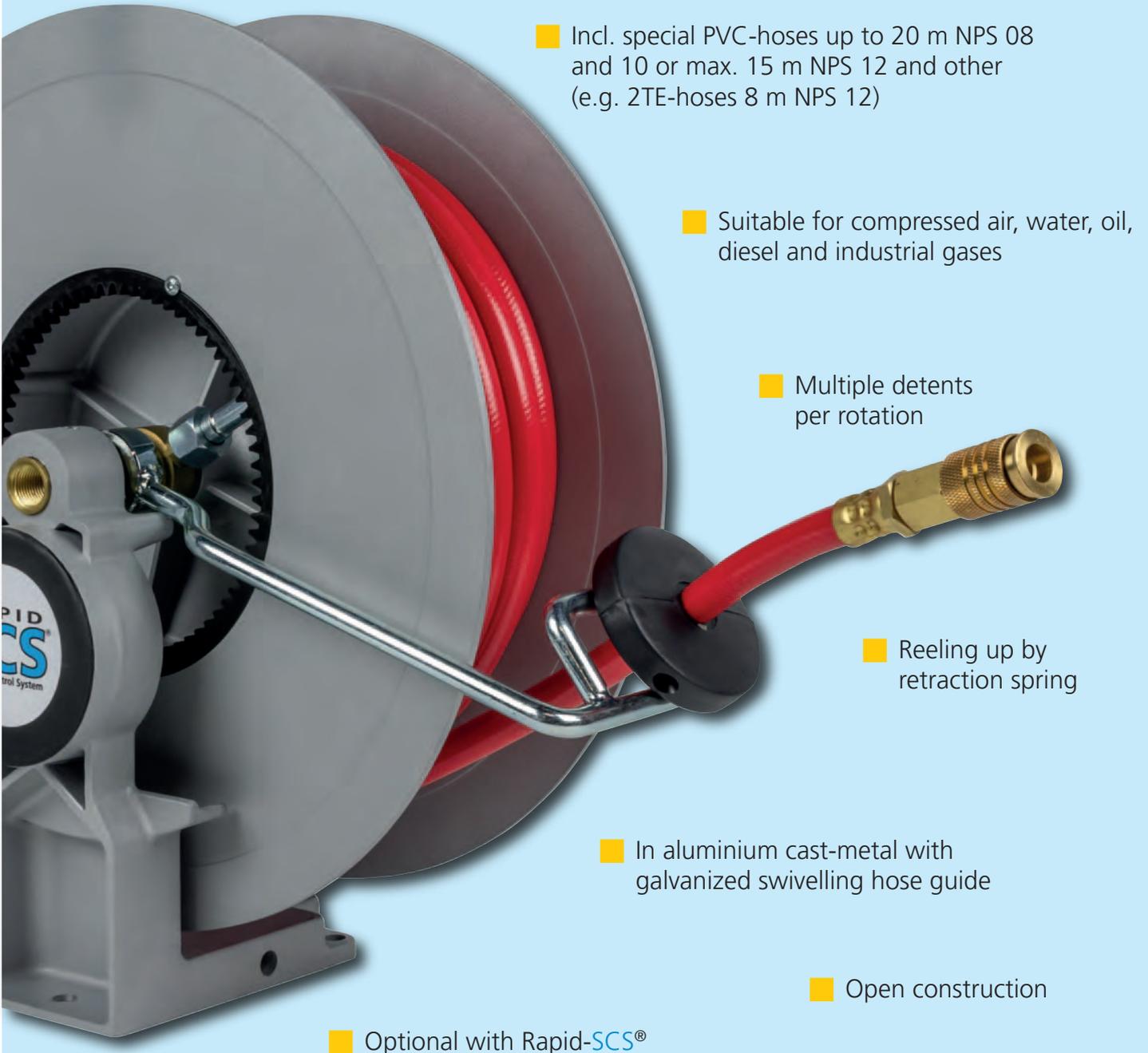
- Up to max. 20 bar

RAPID
SCS®
 Safety Control System

SCS is a registered trade mark with an intelligent safety system for spring operated automatic hose reels.

The system limits the retraction speed to an un-hazardous extent and prevents the hose to roll up accidentally uncontrolled and so, avoids damages and injuries.

TYPE SERIES 3



■ Incl. special PVC-hoses up to 20 m NPS 08 and 10 or max. 15 m NPS 12 and other (e.g. 2TE-hoses 8 m NPS 12)

■ Suitable for compressed air, water, oil, diesel and industrial gases

■ Multiple detents per rotation

■ Reeling up by retraction spring

■ In aluminium cast-metal with galvanized swivelling hose guide

■ Open construction

■ Optional with Rapid-SCS[®]

■ Up to max. 20 bar

RAPID
SCS[®]
Safety Control System

SCS is a registered trade mark with an intelligent safety system for spring operated automatic hose reels.

The system limits the retraction speed to an un-hazardous extent and prevents the hose to roll up accidentally uncontrolled and so, avoids damages and injuries.

TYPE SERIES 4

■ Incl. special PVC-hoses up to 20 m NPS 08 and 10 or max. 15 m NPS 12 and other (e.g. 2TE-hoses 8 m NPS 12)

■ Multiple detents per rotation

■ In aluminium cast, base made of galvanized steel sheet

■ In open and closed construction available

■ Suitable for compressed air, oil, diesel and industrial gases

■ Up to max. 20 bar

■ Optional with Rapid-SCS®

■ Reeling up by retraction spring

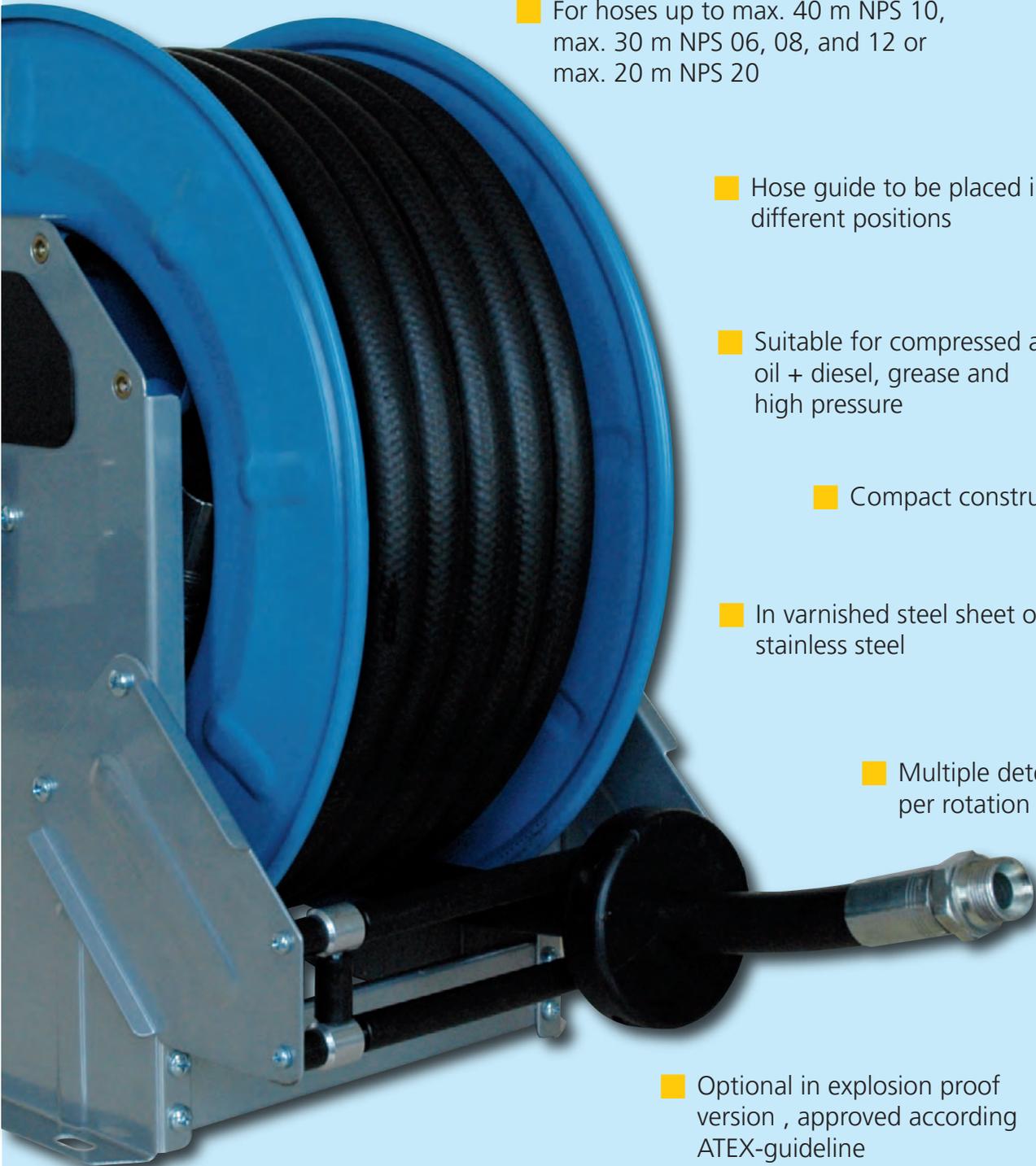


RAPID
SCS®
 Safety Control System

SCS is a registered trade mark with an intelligent safety system for spring operated automatic hose reels.

The system limits the retraction speed to an un-hazardous extent and prevents the hose to roll up accidentally uncontrolled and so, avoids damages and injuries.

TYPE SERIES 5



■ For hoses up to max. 40 m NPS 10,
max. 30 m NPS 06, 08, and 12 or
max. 20 m NPS 20

■ Hose guide to be placed in
different positions

■ Suitable for compressed air, water,
oil + diesel, grease and
high pressure

■ Compact construction

■ In varnished steel sheet or
stainless steel

■ Multiple detents
per rotation

■ Optional in explosion proof
version , approved according
ATEX-guideline

■ Reeling up by
retraction spring

TYPE SERIES 6

- For hoses up to max. 50 m NPS 12 and 25 max. 40 m NPS 20 or max. 20 m NPS 32

- Hose guide to be placed in different positions

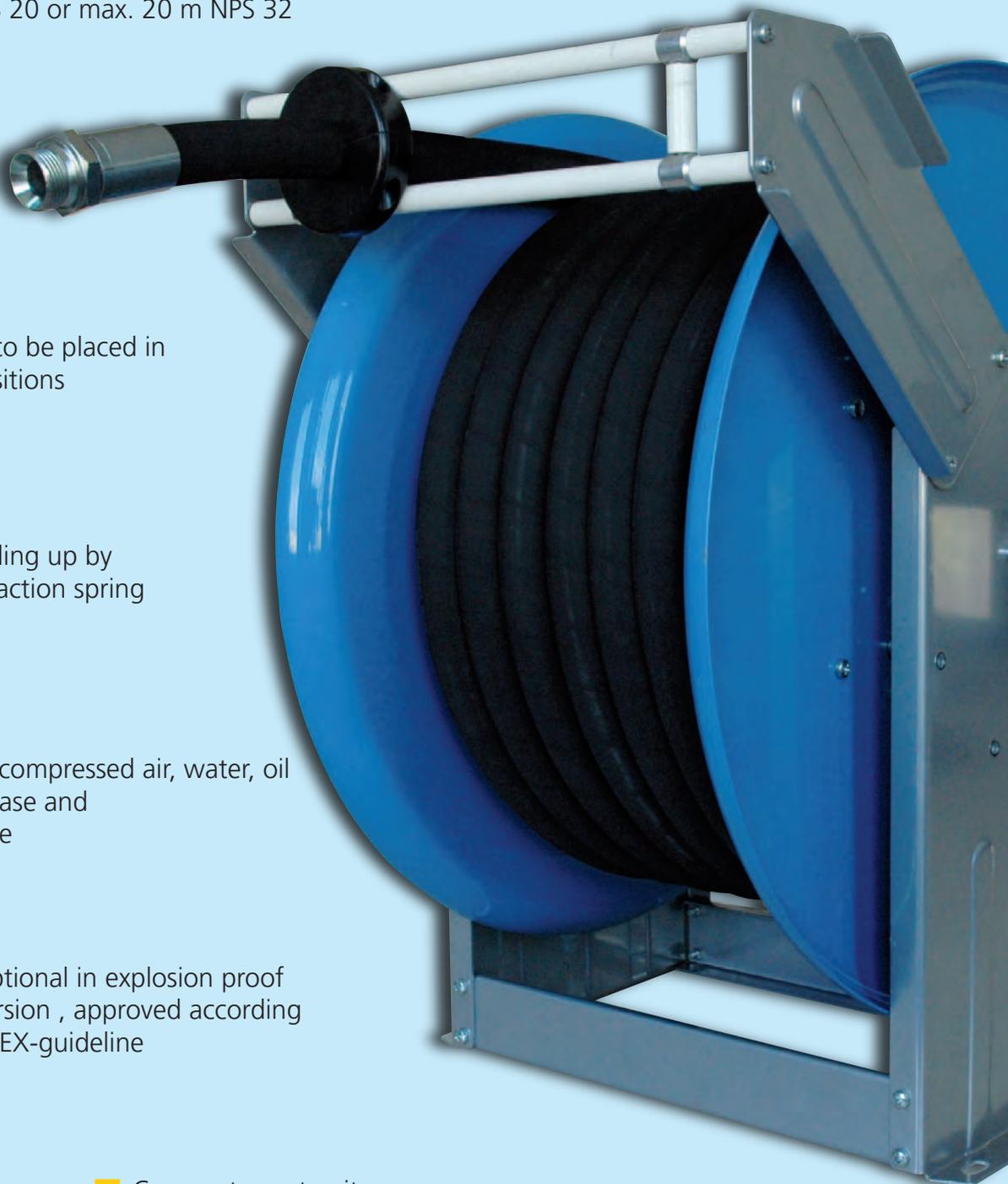
- Reeling up by retraction spring

- Suitable for compressed air, water, oil + diesel, grease and high pressure

- Optional in explosion proof version , approved according ATEX-guideline

- Compact construction

- Multiple detents per rotation



TYPE SERIES 9

- Incl. hoses up to max. 20 m
NPS 10 and 12 or max.
10 m NPS 16

- In open and closed construction available

- Small construction

- Suitable for compressed air, water, oil + diesel, grease and high pressure industrial gases, vacuum, hydraulics, AdBlue as well as hygienic areas

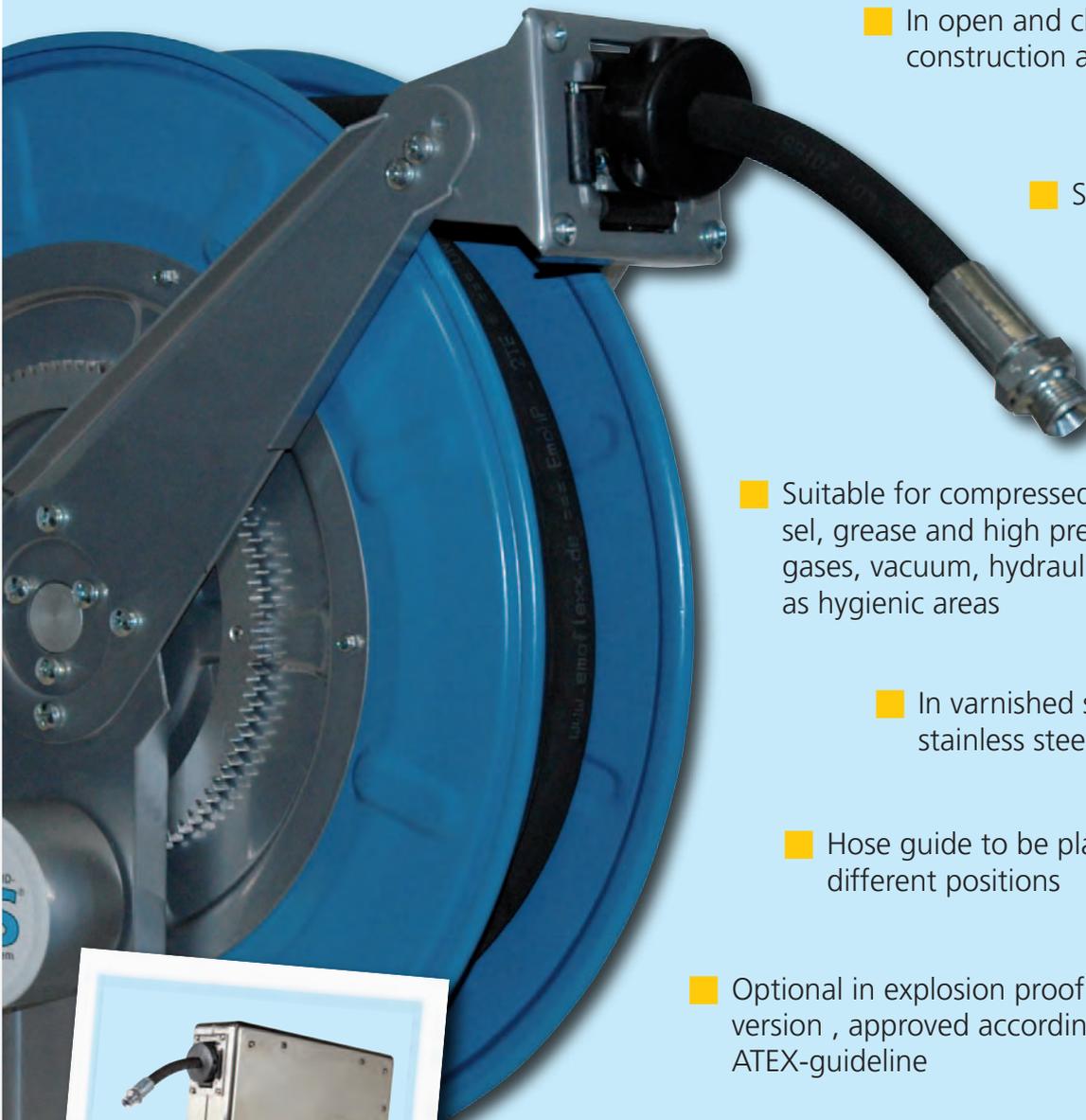
- In varnished steel sheet or stainless steel

- Hose guide to be placed in different positions

- Optional in explosion proof version, approved according ATEX-guideline

- Optional with Rapid-SCS[®]

- Reeling up by retraction spring



RAPID
SCS[®]
Safety Control System

SCS is a registered trade mark with an intelligent safety system for spring operated automatic hose reels.

The system limits the retraction speed to an un-hazardous extent and prevents the hose to roll up accidentally uncontrolled and so, avoids damages and injuries.

TYPE SERIES 9-154

■ For hoses up to
max. 25 m NPS 12, max. 20 m
NPS 20 or max. 15 m NPS 25

■ Suitable for compressed air, water, oil
+ diesel, high pressure as well as hy-
gienic areas

■ Hose guide to be placed in
different positions

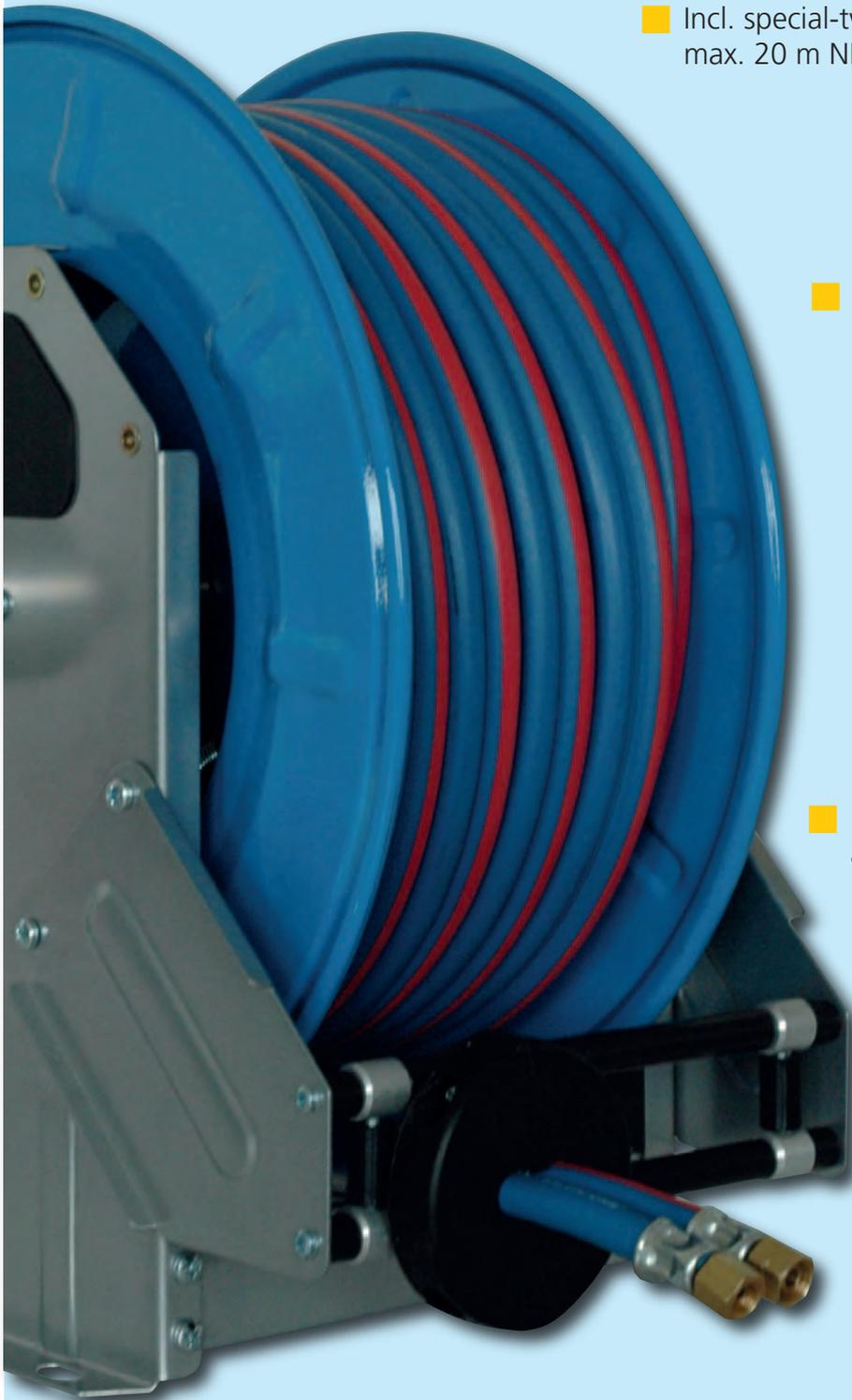
■ Reeling up by
retraction spring

■ Small construction

■ In varnished steel sheet or
stainless steel



TYPE SERIES



■ Incl. special-twin hose up to max. 20 m NPS 06/09 to DIN 8541

■ Suitable for industrial gases

■ Reeling up by retraction spring

■ Media input on the left and right side

■ In varnished steel sheet

TYPE SERIES 8

■ For hoses up to max. 30 m NPS 08 or max. 50 m NPS 12, NPS 20 and NPS 25

■ Optional with base or hose cart

■ Reeling up manually by crank

■ Suitable for compressed air, water, oil + diesel and high pressure

■ In varnished steel sheet or stainless steel



Version with hose cart



Series 0 – 230 V~

- Automatic cable reel made out of PVC
- Protective system of the cable drum is IP 24
- Completely insulated, **overheating protection**
- With release spring and collector ring
- Incl. swivelling mounting bracket
- Detent can be disconnected
- **Incl. 5+1 m cable**, 1,5 mm², safty plug and safty socket, 230 V~

Model	m	Cable	part no.	EUR/piece
0.06.05	5+1	H05VV-F3G 1,5	00 010	154,16



Series 0 – 230 V~

- Automatic cable reel made out of PVC
- Protective system of the cable drum is IP 24
- Completely insulated, **overheating protection**
- With release spring and collector ring
- Incl. swivelling mounting bracket
- Detent can be disconnected
- **Incl. 10 m cable**, 1,5 mm², safty plug and safty socket, 230 V~
- Optional: Rapid-SCS® - controlled reeling technology

Model	part no.	EUR/piece
Rapid-SCS Aufpreis BR 0	00 598	65,61

Model	m	Cable	part no.	EUR/piece
0.10.05	10	H05VV-F3G 1,5	00 001	178,06



Series 0 – 230 V~

- Automatic cable reel made out of PVC
- Protective system of the cable drum is IP 24
- Completely insulated, **overheating protection**
- With release spring and collector ring
- Incl. swivelling mounting bracket
- Detent can be disconnected
- **Incl. 15 m cable**, 1,5 mm², safty plug and safty socket, 230 V~
- Optional: Rapid-SCS® - controlled reeling technology

Model	part no.	EUR/piece
Rapid-SCS Aufpreis BR 0	00 599	65,61

Model	m	Cable	part no.	EUR/piece
0.15.05	15	H05VV-F3G 1,5	00 002	201,96



Series 0 – 230 V~

- Automatic cable reel made out of PVC
- Protective system of the cable drum is IP 24
- Completely insulated, **overheating protection**
- With release spring and collector ring
- Incl. swivelling mounting bracket
- **Incl. 25 m cable 1,5 mm² or 20 m cable 2,5 mm²**, safty plug and safty socket, 230 V~
- Optional: Rapid-SCS® - controlled reeling technology

Model	part no.	EUR/piece
Rapid-SCS Aufpreis BR 0	00 596	89,51

Model	m	Cable	part no.	EUR/piece
0.25.05	25	H05VV-F3G 1,5	00 003	333,41
0.20.05	20	H07RN-F3G 2,5	00 013	536,56



Series 0 – 230 V~

- Automatic cable reel made out of PVC
- Protective system of the cable drum is IP 24
- Completely insulated, **overheating protection**
- With release spring and collector ring
- Incl. swivelling mounting bracket
- **Incl. 35 m cable**, 1,5 mm², safty plug and safty socket, 230 V~

Model	m	Cable	part no.	EUR/piece
0.35.05	35	H05VV-F3G 1,5	00 012	381,21



Series 0 – 400 V~

- Automatic cable reel made out of PVC
- Protective system of the cable drum is IP 24
- Completely insulated, **overheating protection**
- With release spring and collector ring
- Incl. swivelling mounting bracket
- Incl. 10 m cable**, 1,5 mm², CEE plug and CEE socket, 400 V~
- Optional: Rapid-SCS®** - controlled reeling technology

Model	part no.	EUR/piece
Rapid-SCS Aufpreis BR 0	00 597	65,61

Model	m	Cable	part no.	EUR/piece
0.10.07	10	H07RN-F5G 1,5	00 007	417,06



Series 0 – 400 V~

- Automatic cable reel made out of PVC
- Protective system of the cable drum is IP 24
- Completely insulated, **overheating protection**
- With release spring and collector ring
- Incl. swivelling mounting bracket
- Incl. 20 m cable, 1,5 mm² or 15 m cable 2,5 mm²**
- CEE plug and CEE socket, 400 V~
- Optional: Rapid-SCS®** - controlled reeling technology

Model	part no.	EUR/piece
Rapid-SCS Aufpreis BR 0	00 596	89,51

Model	m	Cable	part no.	EUR/piece
0.20.07	20	H07RN-F5G 1,5	00 004	560,46
0.15.07	15	H07RN-F5G 2,5	00 014	656,06



Series 0 – 400 V~

- Automatic cable reel made out of PVC
- Protective system of the cable drum is IP 24
- Completely insulated, **overheating protection**
- With release spring and collector ring
- Incl. swivelling mounting bracket
- Incl. 30 m Cable**, 1,5 mm², CEE plug and CEE socket, 400 V~

Model	m	Cable	part no.	EUR/piece
0.30.07	30	H07RN-F5G 1,5	00 011	656,06



Series 0 – with earthing clip

- Automatic cable reel made out of PVC with earthing clip
- Protective system of the cable drum is IP 24
- With release spring and collector ring
- Incl. swivelling mounting bracket
- Incl. 15 m Cable**, Clamp and earthing clip, 230 V~
- Optional: Rapid-SCS®** - controlled reeling technology

Model	part no.	EUR/piece
Rapid-SCS Aufpreis BR 0	00 598	65,61

Model	m	Cable	part no.	EUR/piece
0.15.06-K	15	H07V-K 1G 6 mm ²	00 050	512,66



Series 0 – for battery charging

- Automatic cable reel, aluminum housing
- Connection to battery charger, to make battery charging easier
- For tradition batteries the user can replace the delivered clamps by proper connection
- IP Code 42, fully insulated
- Spring driven, slip ring
- Incl. swivelling mounting bracket
- Incl. cable (30 A, 48 V) with battery clamps 230 V**
- Optional: Rapid-SCS®** - controlled reeling technology

Model	m	Cable	part no.	EUR/piece
Rapid-SCS* Aufpreis BR 1	01	597	01 597	65,61

Model	m	Cable	part no.	EUR/piece
0.06.16-B	6	H05W-F 2G 16 mm ²	00 052	644,11
0.09.16-B	9	H05W-F 2G 16 mm ²	00 053	895,06

* Just suitable for model 0.06.16-B



Series 0 – with flashlight

- Automatic cable reel made out of PVC
- Protective system of the cable drum is IP 24
- Completely insulated, **overheating protection**
- With release spring and collector ring
- Incl. swivelling mounting bracket
- Detent can be disconnected
- Incl. 15 m cable**, safety plug and **flashlight (L)** in 230 V~ or (L 24) in 24 V~
- Optional: Rapid-SCS®** - controlled reeling technology

Model	part no.	EUR/piece
Rapid-SCS Aufpreis BR 0	00 599	65,61

Modell	m	Cable	part no.	EUR/piece
0.15.05-L*	15	H05VV-F2G 1,0	00 006	237,81
0.15.05-L 24*	15	H05VV-F2G 1,0	00 009	285,61

* Delivery with 11 W energy saving lamp (lamp) ± 60 W



Hose reel with warning ribbon

- Automatic hose reel plastic housing for sign posting areas
- Multiple detent per round
- Fitted with 6 or 20 m warning ribbon 50 mm (width) red/white and stopper
- red/white for moving sources of danger
- **Optional:** Set of 3 pcs. mounting magnets type MM 30-3, for variable application

Model	m	part no.	EUR/piece
1.20.BA-R	20, red/white	01 080	249,76

Type	part no.	EUR/piece
MM 30-3 Montagemagnete	01 523	29,76

Replacement banderole

Type	part no.	EUR/m
BA-RW banderole, red/white	01 519	3,95



Hose reel with warning ribbon

- Automatic hose reel plastic housing for sign posting areas
- Multiple detent per round
- Fitted with 20 m warning ribbon 50 mm (width) yellow/black and stopper
- yellow/black for stationary sources of danger
- **Optional:** Set of 3 pcs. mounting magnets type MM 30-3, for variable application

Model	m	part no.	EUR/piece
1.20.BA-G	20, yellow/black	01 082	249,76

Type	part no.	EUR/piece
MM 30-3 Montagemagnete	01 523	29,76

Replacement banderole

Type	part no.	EUR/m
BA-SG banderole, yel./black	01 527	3,95

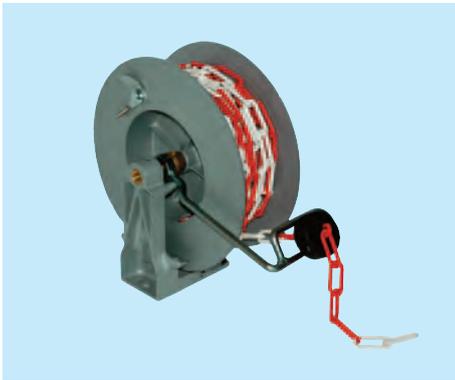


Hose reel with warning ribbon

- Automatic hose reel plastic housing, with increased shut-off effect due to serpentine tape guide
- Multiple detent per round
- Fitted with 10 m warning ribbon 50 mm (width) red/white
- Ideal for maintenance work, police, rescue and towing vehicles, theft protection, temporary cordoning off of zones, demarcation of access areas, access restrictions, etc.
- **Optional:** Set of 3 pcs. mounting magnets type MM 30-3, for variable application

Model	m	part no.	EUR/piece
1.10.BA-RS	20, red/white	01 083	322,15

Type	part no.	EUR/piece
MM 30-3 Montagemagnete	01 523	29,76



Hose reel with barrier chain

- Automatic hose reel aluminum die cast with zinc coated roller guide for sign posting areas
- Multiple detent per round
- Fitted with 20 m chain red/white and stopper
- **Optional: Rapid-SCS®** - controlled reeling technology

Model	part no.	EUR/piece
Rapid-SCS Aufpreis BR 3	03 599	130,26

Model	m	part no.	EUR/piece
3.20.GK-R	20, red/white	03 080	321,46



Hose reel with barrier chain

- Automatic hose reel aluminum die cast with zinc coated roller guide for sign posting areas
- Multiple detent per round
- Fitted with 20 m chain yellow/black and stopper
- **Optional: Rapid-SCS®** - controlled reeling technology

Model	part no.	EUR/piece
Rapid-SCS Aufpreis BR 3	03 599	130,26

Model	m	part no.	EUR/piece
3.20.GK-G	20, yellow/black	03 081	321,46

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dass Stürze die häufigste Unfallursache in Betrieben sind?

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Series 1 - for hot water

- Automatic hose reel, stainless steel
- Multiple detents per round
- For washes with water and cleanser, Also suitable for cold water and compressed air
- Incl. LPU-hose**, NPS 08 or NPS 10 and buffer
- Max pressure 20 bar(25°C) / 10 bar (70°C)
- Incl. swivelling mounting bracket
- Incl. 1 m flexible connection

Model	m	NPS	part no.	EUR/piece
1.05.08-HW/E	5	08	01 013	249,76
1.03.10-HW/E	3	10	01 014	249,76



Series 1 - for hot water

- Automatic hose reel, stainless steel
- Multiple detents per round
- For washes with water and cleanser, Also suitable for cold water and compressed air
- Incl. LPU-hose**, NPS 08 or NPS 10 and buffer
- Max pressure 20 bar(25°C) / 10 bar (70°C)
- Incl. swivelling mounting bracket
- Incl. 1 m flexible connection
- Optional: Rapid-SCS®** - controlled reeling technology

Model	part no.	EUR/piece
Rapid-SCS/E	Aufpreis BR 1-HW 01 595	130,26

Model	m	NPS	part no.	EUR/piece
1.15.08-HW/E	15	08	01 015	357,31
1.12.10-HW/E	12	10	01 016	357,31



Series 0 - with LAN-Cable

- Automatic cable reel plastic case
- With LAN cable (LAN-CAT 5e)
- Protection class IP 24, entirely insulated
- With automatic spring rewind and slip ring
- Incl. Swivelling mounting bracket
- Incl. 15 m LAN cable**, 2 A
- Optional: Rapid-SCS®** - controlled reeling technology

Model	part no.	EUR/piece
Rapid-SCS	Aufpreis BR 0 00 598	65,61

Model	m	Cable	part no.	EUR/piece
0.15.LAN	15	4x (2x0,15) mm ²	00 054	811,41



Series 0 - for battery charging

- Automatic cable reel, aluminum housing
- Connection to battery charger, to make battery charging easier
- For tradition batteries the user can replace the delivered clamps by proper connection
- IP Code 42, fully insulated
- Spring driven, slip ring
- Incl. swivelling mounting bracket
- Incl. cable (30 A, 48 V)** with **battery clamps** 230 V
- Optional: Rapid-SCS®** - controlled reeling technology

Model	part no.	EUR/piece
Rapid-SCS	Aufpreis BR 1 01 597	65,61

Model	m	Cable	part no.	EUR/piece
0.06.16-B/1	6	H05W-F 2G 16 mm ²	00 052	644,11



Series 0 - for battery charging

- Automatic cable reel, aluminum housing
- Connection to battery charger, to make battery charging easier
- For tradition batteries the user can replace the delivered clamps by proper connection
- IP Code 42, fully insulated
- Spring driven, slip ring
- Incl. swivelling mounting bracket
- Incl. cable (30 A, 48 V)** with **battery clamps** 230 V

Modell	m	Kabel	part no.	EUR/piece
0.09.16-B	9	H05W-F 2G 16 mm ²	00 053	895,06



Series 0 - with earthing clip

- Automatic cable reel made out of PVC with earthing clip
- Protective system of the cable drum is IP 24
- With release spring and collector ring
- Incl. swivelling mouting bracket
- Incl. 15 m Cable, Clamp and earthing clip**, 230 V~
- Optional: Rapid-SCS®** - controlled reeling technology

Model	part no.	EUR/piece
Rapid-SCS	Aufpreis BR 0 00 598	65,61

Model	m	Cable	part no.	EUR/piece
0.15.06-K	15	H07V-K 1G 6 mm ²	00 050	512,66



Series 1

- Automatic cable reel made out of PVC
- Detent can be disconnected
- Multiple detent per round
- **Incl. 5+1 m PU-hose**, NPS 06 and buffer
- Pressure max. 10 bar
- Incl. swivelling mouting bracket
- Incl. 1 m connection hose

Model	m	NPS	part no.	EUR/piece
1.06.06	5+1	06	01 006	130,26



Series 1

- Automatic cable reel made out of PVC
- Multiple detent per round
- **Incl. PU-hose**, NPS 06 or DN 08 and buffer
- Pressure max. 10 bar
- Incl. swivelling mouting bracket
- Incl. 1 m connection hose
- **Optional: Rapid-SCS®** - controlled reeling technology

Model	m	NPS	part no.	EUR/piece
Rapid-SCS	Aufpreis BR 1		01 599	65,61

Model	m	NPS	part no.	EUR/piece
1.08.08	8	08	01 001	166,11
1.12.06	12	06	01 007	166,11



Series 1

- Automatic cable reel made out of PVC
- Multiple detent per round
- **Incl. PU-hose**, NPS 06, NPS 08 or and buffer
- Pressure max. 10 bar
- Incl. swivelling mouting bracket
- Incl. patentiertem Auslaufenster
- Incl. 1 m connection hose
- **Optional: Rapid-SCS®** - controlled reeling technology

Model	m	NPS	part no.	EUR/piece
Rapid-SCS	Aufpreis BR 1		01 597	65,61

Model	m	NPS	part no.	EUR/piece
1.12.08	12	08	01 004	213,91
1.15.06	15	06	01 008	213,91



Series 1

- Automatic cable reel made out of PVC
- Multiple detent per round
- **Incl. PU-hose**, NPS 08 or NPS 10 and buffer
- Pressure max. 10 bar
- Incl. swivelling mouting bracket
- Incl. 1 m connection hose
- **Optional: Rapid-SCS®** - controlled reeling technology

Model	m	NPS	part no.	EUR/piece
Rapid-SCS	Aufpreis BR 1		01 596	89,51

Model	m	NPS	part no.	EUR/piece
1.15.08	15	08	01 002	256,93
1.15.10	15	10	01 010	321,46



Series 1

- Automatic cable reel made out of PVC
- Multiple detent per round
- **Incl. PU-hose**, NPS 10 or NPS 12 and buffer
- Pressure max. 10 bar
- Incl. swivelling mouting bracket
- Incl. 1 m connection hose
- **Optional: Rapid-SCS®** - controlled reeling technology

Model	m	NPS	part no.	EUR/piece
1.20.10	20	10	01 011	345,36
1.15.12	15	12	01 012	369,26

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Series 2

- Automatic hose reel, varnished version, partly galvanized, self-supporting
- Fix outlet window with PVC rollers
- Multiple detent per round
- **Incl. 30 m Special-PVC-hose**, DN 10 and Buffer
- Max. pressure 15 bar / 20° C
- No assembly required, portable

Model	m	NPS	part no.	EUR/piece
2.30.10	30	10	02 002	381,21



Series 3

- Automatic hose reel, cast aluminium drum with swivelling outlet stirrup
- Multiple detent per round
- **Incl. Special-PVC-hose**, NPS 10 or NPS 12 and buffer
- **Incl. quick release coupling**
- Max. pressure 15 bar / 20° C
- **Optional: Rapid-SCS®** - controlled reeling technology

Model	part no.	EUR/piece
Rapid-SCS Aufpreis BR 3	03 599	130,26

Model	m	NPS	part no.	EUR/piece
3.12.10/1	12	10	03 007	304,73
3.20.10/1	20	10	03 009	364,48
3.08.12/1	8	12	03 025	321,46
3.15.12/1	15	12	03 026	376,43



Series 3

- Autom. hose reel cast aluminum drum with swivelling outlet stirrup
- Multiple detent per round
- **Incl. special flex hose** DN 10 and stopper
- Pressure max. 15 bar
- **Incl. quick release coupling**
- **Optional Rapid-SCS®** - controlled reeling technology

Model	part no.	EUR/piece
Rapid-SCS Aufpreis BR 3	03 599	130,26

Model	m	NPS	part no.	EUR/piece
3.10.10-Flex	10	10	03 030	352,53
3.15.10-Flex	15	10	03 031	436,18



Series 3

- Automatic hose reel, cast aluminium drum with swivelling outlet stirrup
- Multiple detent per round
- **Incl. rubber hose** 1 TE, NPS 08 or NPS 10 and buffer
- **Incl. quick release coupling**
- Max. pressure 20 bar / 20° C
- **Optional: Rapid-SCS®** - controlled reeling technology

Model	part no.	EUR/piece
Rapid-SCS Aufpreis BR 3	03 599	130,26

Model	m	NPS	part no.	EUR/piece
3.10.08-TE/1	10	08	03 050	321,46
3.20.08-TE/1	20	08	03 051	405,11
3.10.10-TE/1	10	10	03 052	328,63
3.15.10-TE/1	15	10	03 053	400,33



Series 4

- Automatic hose reel, cast aluminium drum
- Base made out of galvanised steel
- Outlet window with PVC rollers
- Multiple detent per round
- Incl. Special-PVC-hose**, NPS 10 or NPS 12 and buffer
- Incl. quick release coupling**
- Max. pressure 15 bar / 20° C
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR 4	04 599	166,11

Model	m	NPS	part no.	EUR/piece
4.10.10/1	10	10	04 007	381,21
4.20.10/1	20	10	04 009	429,01
4.08.12/1	8	12	04 023	381,21
4.15.12/1	15	12	04 024	429,01



Series 4

- Automatic hose reel, cast aluminium drum
- Base made out of galvanised steel
- Outlet window with PVC rollers
- Multiple detent per round
- Incl. special flex hose** DN 10 and stopper
- Pressure max. 15 bar
- Incl. quick release coupling**
- Optional Rapid SCS®** - Controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR 4	04 599	166,11

Model	m	NPS	part no.	EUR/piece
4.10.10-Flex	10	10	04 028	429,01
4.15.10-Flex	15	10	04 029	512,66



Series 4

- Automatic hose reel, cast aluminium drum
- Base made out of galvanised steel
- Outlet window with PVC rollers
- Multiple detent per round
- Incl. rubber hose** 1 TE, NPS 08 or NPS 10 and buffer
- Incl. quick release coupling**
- Max. pressure 20 bar / 20° C
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR 4	04 599	166,11

Model	m	NPS	part no.	EUR/piece
4.10.08-TE/1	10	08	04 050	393,16
4.20.08-TE/1	20	08	04 051	464,86
4.10.10-TE/1	10	10	04 052	405,11
4.15.10-TE/1	15	10	04 053	464,86



Series 9

- Automatic hose reel, varnished version, partly galvanized
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Incl. PU-hose**, NPS 10 or NPS 12 and buffer
- Incl. quick release coupling**
- Max. pressure 15 bar / 20° C
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR 9	09 599	166,11

Model	m	NPS	part no.	EUR/piece
9.12.10-PU/2	12	10	09 130	381,21
9.20.10-PU/2	20	10	09 131	500,71
9.10.12-PU/2	10	12	09 132	381,21
9.20.12-PU/2	20	12	09 133	500,71



Series 9/E

- Automatic hose reel, entirely made out of stainless steel (E)
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Incl. PU-hose**, NPS 10 or NPS 12 and buffer
- Incl. quick release coupling**
- Max. pressure 15 bar / 20° C
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS/E	Aufpreis BR 9/E	09 598	213,91

Model	m	NPS	part no.	EUR/piece
9.12.10-PU/E/3	12	10	09 134	500,71
9.20.10-PU/E/3	20	10	09 135	632,16
9.10.12-PU/E/3	10	12	09 136	500,71
9.20.12-PU/E/3	20	12	09 137	632,16



Series 9

- Automatic hose reel, varnished version, partly galvanized
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Incl. special flex hose** DN 10 and stopper
- Incl. quick release coupling**
- Max. pressure 15 bar
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR 9	09 599	166,11

Model	m	DN	part no.	EUR/piece
9.12.10-Flex/2	12	10	09 138	417,06
9.20.10-Flex/2	20	10	09 139	572,41



Series 4 – G

- Automatic hose reel, cast aluminium drum
- Identical with Series 4, but:
- Enclosed version with PVC-cover (G)
- Incl. special-PVC-hose**, NPS 10 or NPS 12 and buffer
- Incl. quick release coupling**
- Max. pressure 15 bar / 20° C
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR4-G	04 599	166,11

Model	m	NPS	part no.	EUR/piece
4.20.10-G/1	20	10	04 019	500,71
4.15.12-G/1	15	12	04 026	500,71



Series 4 – G

- Automatic hose reel, cast aluminium drum
- Identical with Series 4, but:
- Enclosed version with PVC-cover (G)
- Incl. special flex hose** DN 10 and stopper
- Pressure max. 15 bar
- Incl. quick release coupling**
- Optional Rapid SCS** - Controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR4-G	04 599	166,11

Model	m	NPS	part no.	EUR/piece
4.15.10-G-Flex	15	10	04 031	584,36



Series 4 – G

- Automatic hose reel, cast aluminium drum
- Identical with Series 4, but:
- Enclosed version with PVC-cover (G)
- Incl. rubber hose** 1 TE, NPS 08 or NPS 10 and buffer
- Incl. quick release coupling**
- Max. pressure 20 bar / 20° C
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR4-G	04 599	166,11

Model	m	NPS	part no.	EUR/piece
4.20.08-TE/G/1	20	08	04 061	536,56
4.15.10-TE/G/1	15	10	04 063	536,56



Series 9/E

- Automatic hose reel, entirely made out of stainless steel (E)
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Incl. special flex hose** DN 10 and stopper
- Incl. quick release coupling**
- Max. pressure 15 bar
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS/E	Aufpreis BR 9/E	09 598	213,91

Modell	m	DN	part no.	EUR/piece
9.12.10-Flex/E/3	12	10	09 144	548,51
9.20.10-Flex/E/3	20	10	09 145	703,86



Series 9

- Automatic hose reel, varnished version, partly galvanized
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Incl. rubber hose** 1 TE, NPS 08 or NPS 10 and buffer
- Incl. quick release coupling**
- Max. pressure 20 bar / 20° C
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR 9	09 599	166,11

Modell	m	DN	part no.	EUR/piece
9.12.10-TE/2	12	10	09 140	417,06
9.20.10-TE/2	20	10	09 141	560,46
9.10.12-TE/2	10	12	09 142	429,01
9.20.12-TE/2	20	12	09 143	560,46



Series 9/E

- Automatic hose reel, entirely made out of stainless steel (E)
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Incl. rubber hose** 1 TE, NPS 08 or NPS 10 and buffer
- Incl. quick release coupling**
- Max. pressure 20 bar / 20° C
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS/E	Aufpreis BR 9/E	09 598	213,91

Modell	m	DN	part no.	EUR/piece
9.12.10-TE/E/3	12	10	09 146	548,51
9.20.10-TE/E/3	20	10	09 147	715,81
9.10.12-TE/E/3	10	12	09 148	560,46
9.20.12-TE/E/3	20	12	09 149	715,81



Series 9

- Automatic hose reel, varnished version, partly galvanized
- Variable Outlet window with PVC rollers
- Multiple detent per round
- **Incl. rubber hose** 2 TE, NPS 10, NPS 12 or NPS 16 and buffer
- Max. pressure 50 bar / 60 °C
- **Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR 9	09 599	166,11

Model	m	NPS	part no.	EUR/piece
9.12.10/2	12	10	09 001	476,81
9.20.10/2	20	10	09 002	644,11
9.10.12/2	10	12	09 003	476,81
9.15.12/2	15	12	09 004	620,21
9.20.12/2	20	12	09 005	644,11
9.10.16/2	10	16	09 007	632,16



Series 9/E

- Automatic hose reel, entirely made out of stainless steel (E)
- Variable Outlet window with PVC rollers
- Multiple detent per round
- **Incl. rubber hose** 2 TE, NPS 10, NPS 12 or NPS 16 and buffer
- Max. pressure 50 bar / 60 °C
- **Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS/E	Aufpreis BR 9/E	09 598	213,91

Model	m	NPS	part no.	EUR/piece
9.12.10/E/3	12	10	09 008	608,26
9.20.10/E/3	20	10	09 009	775,56
9.10.12/E/3	10	12	09 010	608,26
9.15.12/E/3	15	12	09 011	751,66
9.20.12/E/3	20	12	09 012	775,56
9.10.16/E/3	10	16	09 014	763,61



Series 9 – GS

- Automatic hose reel, varnished, closed version (GS)
- Module cover for units (p. 46)
- Outlet window with PVC rollers
- Multiple detent per round
- **Incl. rubber hose** 2 TE, NPS 10, NPS 12 or NPS 16 and buffer,
- Max. pressure 50 bar / 60 °C
- **Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR 9-GS	09 597	166,11

Model	m	NPS	part no.	EUR/piece
9.12.10-GS/2	12	10	09 045	584,36
9.20.10-GS/2	20	10	09 046	751,66
9.10.12-GS/2	10	12	09 047	584,36
9.15.12-GS/2	15	12	09 048	727,76
9.10.16-GS/2	10	16	09 050	739,71



Series 9 – GS

- Automatic hose reel, entirely made out of stainless steel (E), closed version (GS)
- Module cover for units (p. 46)
- Outlet window with PVC rollers
- Multiple detent per round
- **Incl. rubber hose**, NPS 12 or NPS 16 and buffer
- Max. pressure 50 bar / 60° C
- **Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS/E	Aufpreis BR 9-GS/E	09 596	213,91

Model	m	NPS	part no.	EUR/piece
9.12.10-GS/E/1	12	10	09 108	739,71
9.20.10-GS/E/1	20	10	09 109	907,01
9.10.12-GS/E/1	10	12	09 110	739,71
9.15.12-GS/E/1	15	12	09 111	883,11
9.10.16-GS/E/1	10	16	09 113	895,06



Series 9 – 154

- Automatic hose reel, varnished version
- Very narrow version 360 mm
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Delivery without hose, incl. buffer
- Max. pressure 45 bar

Model	m	NPS	part no.	EUR/piece
9.25.12*	25	12	09 301	1.014,56
9.20.20*	20	20	09 302	1.014,56
9.15.25*	15	25	09 303	1.014,56

Plus freight costs for models series 9-154

49,-



Series 9 – 154/E

- Automatic hose reel, entirely made out of stainless steel (E)
- Very narrow version 360 mm
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Delivery without hose, incl. buffer
- Max. pressure 45 bar

Model	m	NPS	part no.	EUR/piece
9.25.12/E*	25	12	09 304	1.528,41
9.20.20/E*	20	20	09 305	1.528,41
9.15.25/E*	15	25	09 306	1.528,41

Plus freight costs for models series 9-154

49,-



Series 5

- Automatic hose reel, varnished version, partly galvanized
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Delivery without hose, incl. buffer
- Max. pressure 50 bar

Model	m	NPS	part no.	EUR/piece
5.40.10/1	40	10	05 010	835,31
5.40.12/1	40	12	05 011	835,31
5.20.16/1	20	16	05 012	835,31
5.30.16/1	30	16	05 013	835,31
5.20.20/1	20	20	05 014	775,56

Plus freight costs for Series 5 models

49,-



Series 5/E

- Automatic hose reel, entirely made out of stainless steel (E)
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Delivery without hose, incl. buffer
- Max. pressure 50 bar

Model	m	NPS	part no.	EUR/piece
5.40.10/E/1	40	10	05 015	1.146,01
5.40.12/E/1	40	12	05 016	1.146,01
5.20.16/E/1	20	16	05 017	1.146,01
5.30.16/E/1	30	16	05 018	1.146,01
5.20.20/E/1	20	20	05 019	1.074,31

Plus freight costs for Series 5 models

49,-



Series 6

- Automatic hose reel, varnished version, partly galvanized
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Delivery without hose, incl. buffer
- Max. pressure 40 bar
- Stainless steel version on request

Model	m	NPS	part no.	EUR/piece
6.50.12/1	50	12	06 022	1.432,81
6.30.20/1	30	20	06 004	1.134,06
6.40.20/1	40	20	06 005	1.313,31
6.20.25/1	20	25	06 006	1.014,56
6.30.25/1	30	25	06 007	1.134,06
6.40.25/1	40	25	06 008	1.432,81
6.50.25/1	50	25	06 009	1.552,31
6.20.32/1	20	32	06 010	1.313,31

Plus freight costs for Series 6 models

69,-



Series 8

- Manual operated (H), drum and base steel sheet varnished with hand crank and lock
- Varnished hose cart (HSW) with sturdy trolley with 4 wheels, 2 of them lockable
- Delivery: with buffer, without hose
- Max. pressure 40 bar

Modell	m	NPS	part no.	EUR/piece
8.20.12-H	20	12	08 011	321,46
8.50.10-H	50	10	08 001	715,81
8.50.12-H	50	12	08 002	775,56
8.50.20-H	50	20	08 003	775,56
8.50.25-H	50	25	08 004	895,06
8.80.12-HE	80	12	08 020	1.134,06
8.50.20-HE	50	20	08 021	1.134,06
8.40.25-HE	40	25	08 022	1.313,31

Plus freight costs for Series 8-H models

49,-

Plus freight costs for Series 8-HE models

69,-

Further models and measurements on request.

**Wussten Sie ...
dass Stürze
die häufigste
Unfallursache
in Betrieben
sind?**





Series 1 - Cold water

- Automatic cable reel made out of PVC
- Detent can be disconnected
- Multiple detent per round
- **Incl. PVC-Hose**, NPS 12, buffer and shower
- Max. pressure 6 bar / 20° C
- Incl. Hose guide
- Incl. swivelling mounting bracket
- Incl. 1 m connection hose
- **Incl. Rapid-SCS®** - controlled reeling technology

Model	m	NPS	part no.	EUR/piece
1.20.12-W2-SCS	20	12	01 331	249,76



Series 3 – W

- Automatic hose reel, cast aluminium drum with swivelling outlet stirrup
- Multiple detent per round
- **Incl. Special-water hose**, NPS 12, buffer, nozzle and safety coupling are made out of brass
- Max. pressure 12 bar / 20° C
- **Optional: Rapid-SCS®** - controlled reeling technology

Model	part no.	EUR/piece
Rapid-SCS Aufpreis BR 3	03 599	130,26

Model	m	NPS	part no.	EUR/piece
3.20.12-W/1	20	12	03 010	345,36



Series 9

- Automatic hose reel, varnished version, partly galvanized
- Variable Outlet window with PVC rollers
- Multiple detent per round
- **Incl. rubber hose** 2 TE, NPS 10, NPS 12 or NPS 16 and buffer
- Max. pressure 50 bar / 60° C
- **Optional: Rapid-SCS®** - controlled reeling technology

Model	part no.	EUR/piece
Rapid-SCS Aufpreis BR 9	09 599	166,11

Model	m	NPS	part no.	EUR/piece
9.12.10/2	12	10	09 001	476,81
9.20.10/2	20	10	09 002	644,11
9.10.12/2	10	12	09 003	476,81
9.15.12/2	15	12	09 004	620,21
9.20.12/2	20	12	09 005	644,11
9.10.16/2	10	16	09 007	632,16



Series 9/E

- Automatic hose reel, entirely made out of stainless steel (E)
- Variable Outlet window with PVC rollers
- Multiple detent per round
- **Incl. rubber hose** 2 TE, NPS 10, NPS 12 or NPS 16 and buffer
- Max. pressure 50 bar / 60° C
- **Optional: Rapid-SCS®** - controlled reeling technology

Model	part no.	EUR/piece
Rapid-SCS/E Aufpreis BR 9/E	09 598	213,91

Model	m	NPS	part no.	EUR/piece
9.12.10/E/3	12	10	09 008	608,26
9.20.10/E/3	20	10	09 009	775,56
9.10.12/E/3	10	12	09 010	608,26
9.15.12/E/3	15	12	09 011	751,66
9.20.12/E/3	20	12	09 012	775,56
9.10.16/E/3	10	16	09 014	763,61



Series 9 – GS

- Automatic hose reel, varnished, closed version
- Module cover for units (p. 46)
- Outlet window with PVC rollers
- Multiple detent per round
- **Incl. rubber hose**, NPS 12 or NPS 16 and buffer
- Max. pressure 50 bar / 60° C
- **Optional: Rapid-SCS®** - controlled reeling technology

Model	part no.	EUR/piece
Rapid-SCS Aufpreis BR 9-GS	09 597	166,11

Model	m	NPS	part no.	EUR/piece
9.10.12-GS/2	10	12	09 047	584,36
9.15.12-GS/2	15	12	09 048	727,76
9.10.16-GS/2	10	16	09 050	739,71



Series 9 – GS/E

- Automatic hose reel, entirely made out of stainless steel (E), closed version (GS)
- Module cover for units (p. 46)
- Outlet window with PVC rollers
- Multiple detent per round
- **Incl. rubber hose**, NPS 12 or NPS 16 and buffer
- Max. pressure 50 bar / 60° C
- **Optional: Rapid-SCS®** - controlled reeling technology

Model	part no.	EUR/piece
Rapid-SCS/E Aufpreis BR 9-GS/E	09 596	213,91

Model	m	NPS	part no.	EUR/piece
9.10.12-GS/E/1	10	12	09 110	739,71
9.15.12-GS/E/1	15	12	09 111	883,11
9.10.16-GS/E/1	10	16	09 113	895,06



Series 9 – 154

- Automatic hose reel, varnished version or entirely made out of stainless steel (E)
- Very narrow version 360 mm
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Delivery without hose, incl. buffer
- Max. pressure 45 bar

Model	m	NPS	part no.	EUR/piece
9.25.12*	25	12	09 301	1.014,56
9.20.20*	20	20	09 302	1.014,56
9.15.25*	15	25	09 303	1.014,56
9.25.12/E*	25	12	09 304	1.528,41
9.20.20/E*	20	20	09 305	1.528,41
9.15.25/E*	15	25	09 306	1.528,41

Plus freight costs for models series 9-154

49,-



Series 5

- Automatic hose reel, varnished version, partly galvanized
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Delivery without hose, incl. buffer
- Max. pressure 50 bar

Model	m	NPS	part no.	EUR/piece
5.40.10/1	40	10	05 010	835,31
5.40.12/1	40	12	05 011	835,31
5.20.16/1	20	16	05 012	835,31
5.30.16/1	30	16	05 013	835,31
5.20.20/1	20	20	05 014	775,56

Plus freight costs for models series 5

49,-



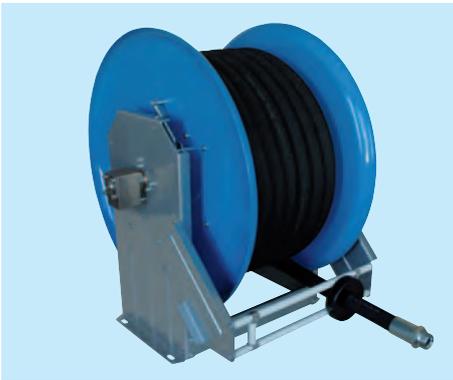
Series 5/E

- Automatic hose reel, entirely made out of stainless steel (E)
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Delivery without hose, incl. buffer
- Max. pressure 50 bar

Model	m	NPS	part no.	EUR/piece
5.40.10/E/1	40	10	05 015	1.146,01
5.40.12/E/1	40	12	05 016	1.146,01
5.20.16/E/1	20	16	05 017	1.146,01
5.30.16/E/1	30	16	05 018	1.146,01
5.20.20/E/1	20	20	05 019	1.074,31

Plus freight costs for models series 5

49,-



Series 6

- Automatic hose reel, varnished version, partly galvanized
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Delivery without hose, incl. buffer
- Max. pressure 40 bar
- **Stainless steel version on request**

Model	m	NPS	part no.	EUR/piece
6.50.12/1	50	12	06 022	1.432,81
6.30.20/1	30	20	06 004	1.134,06
6.40.20/1	40	20	06 005	1.313,31
6.20.25/1	20	25	06 006	1.014,56
6.30.25/1	30	25	06 007	1.134,06
6.40.25/1	40	25	06 008	1.432,81
6.50.25/1	50	25	06 009	1.552,31
6.20.32/1	20	32	06 010	1.313,31

Plus freight costs for models series 6

69,-



Series 8

- Manual operated (H), drum and base steel sheet varnished with hand crank and lock
- Varnished hose cart (HSW) with sturdy trolley with 4 wheels, 2 of them lockable
- Delivery: with buffer, without hose
- Max. pressure 40 bar

Model	m	NPS	part no.	EUR/piece
8.20.12-H	20	12	08 011	321,46
8.50.10-H	50	10	08 001	715,81
8.50.12-H	50	12	08 002	775,56
8.50.20-H	50	20	08 003	775,56
8.50.25-H	50	25	08 004	895,06
8.50.12-HSW	50	12	08 006	1.014,56
8.50.20-HSW	50	20	08 007	1.014,56
8.40.25-HSW	40	25	08 008	1.134,06

Plus freight costs for models series 8

49,-



Baureihe 8/E

- Manual operated, drum and base stainless steel
- Hand crank
- Delivery: with buffer, without hose
- Pressure: max. 200 (100)* bar
- *please refer to technical data page

Model	m	NPS	part no.	EUR/piece
8.80.12-HE	80	12	08 020	1.134,06
8.50.20-HE	50	20	08 021	1.134,06
8.40.25-HE	40	25	08 022	1.313,31

Plus freight costs for models series 8-HE

49,-

Further models and measurements on request.



Series 3 and 4

- Automatic hose reel, cast aluminium drum
- Base made out of galvanised steel
- Enclosed version with PVC-cover (G)
- Outlet window with PVC rollers
- Multiple detent per round
- Incl. rubber hose**, NPS 12 and buffer
- Max. pressure 20 bar / 60° C
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR 3	03 599	130,26
Rapid-SCS	Aufpreis BR 4	04 599	166,11

Modell	m	DN	Best.-Nr.	EUR/Stück
3.08.12-0/1	8	12	03 012	393,16
4.08.12-0/1	8	12	04 010	429,01
4.08.12-0/G/1	8	12	04 020	500,71



Series 9

- Automatic hose reel, varnished version, partly galvanized
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Incl. rubber hose** 2 TE, NPS 10, NPS 12 or NPS 16 and buffer
- Max. pressure 50 bar / 60° C
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR 9	09 599	166,11

Model	m	NPS	part no.	EUR/piece
9.12.10/2	12	10	09 001	476,81
9.20.10/2	20	10	09 002	644,11
9.10.12/2	10	12	09 003	476,81
9.15.12/2	15	12	09 004	620,21
9.20.12/2	20	12	09 005	644,11
9.10.16/2	10	16	09 007	632,16



Series 9/E

- Automatic hose reel, entirely made out of stainless steel (E)
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Incl. rubber hose** 2 TE, NPS 10, NPS 12 or NPS 16 and buffer
- Max. pressure 50 bar / 60° C
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS/E	Aufpreis BR 9/E	09 598	213,91

Model	m	NPS	part no.	EUR/piece
9.12.10/E/3	12	10	09 008	608,26
9.20.10/E/3	20	10	09 009	775,56
9.10.12/E/3	10	12	09 010	608,26
9.15.12/E/3	15	12	09 011	751,66
9.20.12/E/3	20	12	09 012	775,56
9.10.16/E/3	10	16	09 014	763,61



Series 9 – GS

- Automatic hose reel, varnished, closed version
- Module cover for units (p. 46)
- Outlet window with PVC rollers
- Multiple detent per round
- Incl. rubber hose**, NPS 12 or NPS 16 and buffer
- Max. pressure 50 bar / 60° C
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR 9-GS	09 597	166,11

Model	m	NPS	part no.	EUR/piece
9.10.12-GS/2	10	12	09 047	584,36
9.15.12-GS/2	15	12	09 048	727,76
9.10.16-GS/2	10	16	09 050	739,71



Series 9 – GS/E

- Automatic hose reel, entirely made out of stainless steel (E), closed version (GS)
- Module cover for units (p. 46)
- Outlet window with PVC rollers
- Multiple detent per round
- Incl. rubber hose**, NPS 12 or NPS 16 and buffer
- Max. pressure 50 bar / 60° C
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS/E	Aufpreis BR 9-GS/E	09 596	213,91

Model	m	NPS	part no.	EUR/piece
9.10.12-GS/E/1	10	12	09 110	739,71
9.15.12-GS/E/1	15	12	09 111	883,11
9.10.16-GS/E/1	10	16	09 113	895,06



Series 9 – 154

- Automatic hose reel, varnished version or entirely made out of stainless steel (E)
- Very narrow version 360 mm
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Delivery without hose, incl. buffer
- Max. pressure 45 bar

Model	m	NPS	part no.	EUR/piece
9.25.12*	25	12	09 301	1.014,56
9.20.20*	20	20	09 302	1.014,56
9.15.25*	15	25	09 303	1.014,56
9.25.12/E*	25	12	09 304	1.528,41
9.20.20/E*	20	20	09 305	1.528,41
9.15.25/E*	15	25	09 306	1.528,41

Plus freight costs for models series 9-154

49,-



Series 5

- Automatic hose reel, varnished version, partly galvanized
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Delivery without hose, incl. buffer
- Max. pressure 50 bar

Model	m	NPS	part no.	EUR/piece
5.40.10/1	40	10	05 010	835,31
5.40.12/1	40	12	05 011	835,31
5.20.16/1	20	16	05 012	835,31
5.30.16/1	30	16	05 013	835,31
5.20.20/1	20	20	05 014	775,56

Plus freight costs for models series 5 49,-



Series 5/E

- Automatic hose reel, entirely made out of stainless steel (E)
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Delivery without hose, incl. buffer
- Max. pressure 50 bar

Model	m	NPS	part no.	EUR/piece
5.40.10/E/1	40	10	05 015	1.146,01
5.40.12/E/1	40	12	05 016	1.146,01
5.20.16/E/1	20	16	05 017	1.146,01
5.30.16/E/1	30	16	05 018	1.146,01
5.20.20/E/1	20	20	05 019	1.074,31

Plus freight costs for models series 5 49,-



Series 6

- Automatic hose reel, varnished version, partly galvanized
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Delivery without hose, incl. buffer
- Max. pressure 40 bar
- **Stainless steel version on request**

Model	m	NPS	part no.	EUR/piece
6.50.12/1	50	12	06 022	1.432,81
6.30.20/1	30	20	06 004	1.134,06
6.40.20/1	40	20	06 005	1.313,31
6.20.25/1	20	25	06 006	1.014,56
6.30.25/1	30	25	06 007	1.134,06
6.40.25/1	40	25	06 008	1.432,81
6.50.25/1	50	25	06 009	1.552,31
6.20.32/1	20	32	06 010	1.313,31

Plus freight costs for models series 6 69,-



Series 8

- Manual operated (H), drum and base steel sheet varnished with hand crank and lock
- Varnished hose cart (HSW) with sturdy trolley with 4 wheels, 2 of them lockable
- Delivery: with buffer, without hose
- Max. pressure 40 bar

Model	m	NPS	part no.	EUR/piece
8.20.12-H	20	12	08 011	321,46
8.50.10-H	50	10	08 001	715,81
8.50.12-H	50	12	08 002	775,56
8.50.20-H	50	20	08 003	775,56
8.50.25-H	50	25	08 004	895,06
8.50.12-HSW	50	12	08 006	1.014,56
8.50.20-HSW	50	20	08 007	1.014,56
8.40.25-HSW	40	25	08 008	1.134,06

Plus freight costs for models series 8 49,-



Series 8/E

- Manual operated, drum and base stainless steel
- Hand crank
- Delivery: with buffer, without hose
- Pressure: max. 200 (100)* bar
- *please refer to technical data page

Model	m	NPS	part no.	EUR/piece
8.80.12-HE	80	12	08 020	1.134,06
8.50.20-HE	50	20	08 021	1.134,06
8.40.25-HE	40	25	08 022	1.313,31

Plus freight costs for models series 8-HE 69,-
Further models and measurements on request.

Wussten Sie ...

dass Stürze die häufigste Unfallursache in Betrieben sind?

AKTION: SICHERER AUFTRITT

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BG-Infoline: 01805/18 80 88
Eine Initiative Ihrer Berufsgenossenschaften



Series 9

- Automatic hose reel, varnished version, partly galvanized or entirely made out of stainless steel (E)
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Incl. rubber hose 2 SN, NPS 06 and buffer**
- Max. pressure 400 bar
- Optional: Rapid-SCS® - controlled reeling technology**

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR 9	09 599	166,11
Rapid-SCS/E	Aufpreis BR 9/E	09 598	213,91

Model	m	NPS	part no.	EUR/piece
9.12.06/2	12	06	09 015	476,81
9.20.06/2	20	06	09 016	644,11
9.12.06/E/3	12	06	09 017	608,26
9.20.06/E/3	20	06	09 018	775,56



Series 9 - GS

- Automatic hose reel, varnished version or entirely made out of stainless steel (E), closed version (GS)
- Module cover for units (p. 30)
- Outlet window with PVC rollers
- Multiple detent per round
- Incl. rubber hose 2 SN, NPS 06 and buffer**
- Max. pressure 400 bar
- Optional: Rapid-SCS® - controlled reeling technology**

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR 9-GS	09 597	166,11
Rapid-SCS/E	Aufpreis BR 9-GS/E	09 596	213,91

Model	m	NPS	part no.	EUR/piece
9.12.06-GS/2	12	06	09 051	584,36
9.20.06-GS/2	20	06	09 052	739,71
9.12.06-GS/E/1	12	06	09 120	739,71
9.20.06-GS/E/1	20	06	09 121	895,06



Series 5

- Automatic hose reel, varnished version, partly galvanized or entirely made out of stainless steel (E)
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Delivery without hose, incl. buffer
- Max. pressure 400 bar

Model	m	NPS	part no.	EUR/piece
5.30.06/1	30	06	05 032	835,31
5.30.06/E/1	30	06	05 033	1.146,01

Plus freight costs for models series 5

49,-

Hose Reels For EX-Protection



Series 9

- Automatic hose reel, varnished version, partly galvanized or entirely made out of stainless steel (E) for EX-protection zone 1, devices group II, cat. 2, Ex-group II A u. II 2B
- Suitable for hoses of NPS 12
- Delivery without hose, incl. buffer
- Max. pressure 40 bar

Model		part no.	EUR/piece
Ex-Schutz	Aufpreis	06 524	352,53

Model	m	NPS	part no.	EUR/piece
9.10.12/2*	10	12	09 202	440,96
9.15.12/2*	15	12	09 203	572,41
9.10.12/E/3*	10	12	09 209	572,41
9.15.12/E/3*	15	12	09 210	823,36

Attention:

Hose reels with Ex-protection are not suitable with Rapid-SCS®, Safety Control System.

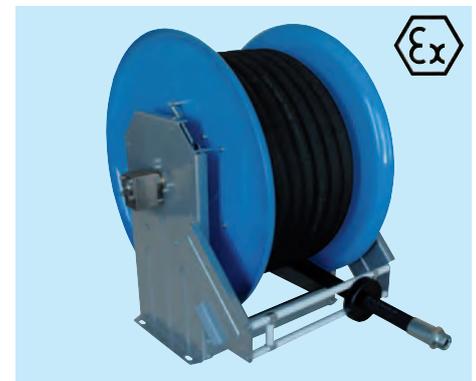


Series 5

- Automatic hose reel, varnished version, partly galvanized or entirely made out of stainless steel (E) for EX-protection zone 1
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Delivery without hose, incl. buffer
- Max. pressure 50 bar

Model		part no.	EUR/piece
Ex-Schutz	Aufpreis	06 524	352,53

Model	m	NPS	part no.	EUR/piece
5.40.10/1	40	10	05 010	835,31
5.40.12/1	40	12	05 011	835,31
5.20.16/1	20	16	05 012	835,31
5.30.16/1	30	16	05 013	835,31
5.20.20/1	20	20	05 014	774,56
5.40.10/E/1	40	10	05 015	1.146,01
5.40.12/E/1	40	12	05 016	1.146,01
5.20.16/E/1	20	16	05 017	1.146,01
5.30.16/E/1	30	16	05 018	1.146,01
5.20.20/E/1	20	20	05 019	1.074,31



Series 6

- Automatic hose reel, varnished version, partly galvanized for EX-protection zone 1, devices group II, Kat. 2, Ex-group II A u. II 2B
- Suitable for hoses of NPS 12 - NPS 32
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Delivery without hose, incl. buffer
- Max. pressure 40 bar
- Stainless steel version on request**

Model		part no.	EUR/piece
Ex-Schutz	Aufpreis	06 524	352,53

Model	m	NPS	part no.	EUR/piece
6.50.12/1	50	12	06 022	1.432,81
6.40.20/1	40	20	06 005	1.313,31
6.20.25/1	20	25	06 006	1.014,56
6.30.25/1	30	25	06 007	1.134,06
6.40.25/1	40	25	06 008	1.432,81
6.50.25/1	50	25	06 009	1.552,31
6.20.32/1	20	32	06 010	1.313,31

Plus freight costs for models series 6

69,-



Series 9

- Automatic hose reel, varnished version, partly galvanized or entirely made out of stainless steel (E)
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Incl. rubber hose** 1SN, NPS 08 and buffer
- Max. pressure 220 bar / 150 °C
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR 9	09 599	166,11
Rapid-SCS/E	Aufpreis BR 9/E	09 598	213,91

Model	m	NPS	part no.	EUR/piece
9.12.08-HD/2	12	08	09 019	500,71
9.20.08-HD/2	20	08	09 020	668,01
9.12.08/E/HD/3	12	08	09 021	632,16
9.20.08/E/HD/3	20	08	09 022	799,46



Series 9 – GS

- Automatic hose reel, varnished version or entirely made out of stainless steel (E), closed version (GS)
- Module cover for units (p. 38)
- Outlet window with PVC rollers
- Multiple detent per round
- Incl. rubber hose** 1SN, NPS 08 and buffer
- Max. pressure 220 bar / 150 °C
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR 9-GS	09 597	166,11
Rapid-SCS/E	Aufpreis BR 9-GS/E	09 596	213,91

Model	m	NPS	part no.	EUR/piece
9.12.08-GS/HD/2	12	08	09 053	608,26
9.20.08-GS/HD/2	20	08	09 054	668,01
9.12.08-GS/HD/E/1	12	08	09 116	739,71
9.20.08-GS/HD/E/1	20	08	09 117	811,41



Series 9 – 154

- Automatic hose reel, varnished version or entirely made out of stainless steel (E)
- Very narrow version 360 mm
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Delivery without hose, incl. buffer
- Max. pressure 250 bar / 150 °C

Modell	m	NPS	part no.	EUR/piece
9.25.12-HD/2*	25	12	09 307	1.134,06
9.25.12/E-HD/2* 25	12	09 308	1.671,81	

Plus freight costs for models series 9-154 49,-



Series 5

- Automatic hose reel, varnished version, partly galvanized or entirely made out of stainless steel (E)
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Delivery without hose, incl. buffer
- Max. pressure 220 bar / 150 °C

Model	m	NPS	part no.	EUR/piece
5.30.08-HD/1	30	08	05 020	835,31
5.40.10-HD/1	40	10	05 021	835,31
5.40.12-HD/1	40	12	05 022	835,31
5.30.08-HD/E/1	30	08	05 023	1.146,01
5.40.10-HD/E/1	40	10	05 024	1.146,01
5.40.12-HD/E/1	40	12	05 025	1.146,01

Plus freight costs for models series 5 49,-

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Baureihe 8

- Manual operated (H), drum and base steel sheet varnished with hand crank and lock
- Varnished hose cart (HSW) with sturdy trolley with 4 wheels, 2 of them lockable
- Delivery: with buffer, without hose
- Max. pressure 220 bar / 150 °C

Modell	m	NPS	part no.	EUR/piece
8.20.08-HD/H	20	08	08 012	381,21
8.30.08-HD/H	30	08	08 009	417,06
8.50.08-HD/H	50	08	08 010	895,06
8.50.12-HD/HSW	50	12	08 023	1.050,41

Plus freight costs for models series 8 49,-



Series 3 and 4

- Automatic hose reel for gas e.g. breath air, liquefied gas, acetylene, etc.
- Designed for hose lengths up to 15 m NPS 10, depending on hose diameter
- Delivery: without hose
- Pressure max. 20 bar
- Model 4.15.10-GA with plastic housing
- For special requirements please request
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR 3	03 599	130,26
Rapid-SCS	Aufpreis BR 4	04 599	166,11

Model	m	NPS	part no.	EUR/piece
3.15.10-A/1	15	10	03 011	405,11
4.15.10-GA/1	15	10	04 021	524,61



Series 9

- Automatic hose reel, varnished version, partly galvanized or complete in stainless steel (E) für gas and oxygen
- Variable Outlet window with PVC rollers
- Connection on both sides
- Incl. special double hose**, NPS 6/6 according to DIN 8541 and buffer
- Max. pressure 20 bar
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR 9	09 599	166,11
Rapid-SCS/E	Aufpreis BR 9/E	09 598	213,91

Model	m	NPS	part no.	EUR/piece
9.10.6/6/2	10	06/06	09 067	500,71
9.15.6/6/2	15	06/06	09 068	656,06



Baureihe 7

- Automatic hose reel, varnished version, partly galvanized für gas and oxygen
- Outlet window with PVC rollers
- Connection on both sides
- Incl. special double hose**, NPS 6/9 according to DIN 8541 and buffer
- Max. pressure 20 bar

Model	m	NPS	part no.	EUR/piece
7.10.6/9/1	10	06/09	07 001	823,36
7.15.6/9/1	15	06/09	07 002	907,01
7.20.6/9/1	20	06/09	07 003	1.074,31

Plus freight costs for models series 7

49,-

Hose Reels For Vacuum



Series 9

- Automatic hose reel, varnished version, partly galvanized or entirely made out of stainless steel (E)
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Incl. 1 SN-rubber hose**, NPS 16 or NPS 20 and buffer
- Max. pressure 50 bar / 60° C
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR 9	09 599	166,11
Rapid-SCS/E	Aufpreis BR 9/E	09 598	213,91

Model	m	NPS	part no.	EUR/piece
9.08.16-V/2	8	16	09 064	584,36
9.08.20-V/2	8	20	09 069	644,11
9.08.16-V/E/3	8	16	09 087	715,81
9.08.20-V/E/3	8	20	09 088	775,56



Series 9 – GS

- Automatic hose reel, varnished version, partly galvanized (GS) or komplett in stainless steel (GS/E)
- Module cover for units (p. 30)
- Outlet window with PVC rollers
- Multiple detent per round
- Incl. 1 SN-rubber hose**, NPS 16 or NPS 20 and buffer
- Max. pressure 50 bar / 60 °C
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR 9-GS	09 597	166,11
Rapid-SCS/E	Aufpreis BR 9-GS/E	09 596	213,91

Model	m	NPS	part no.	EUR/piece
9.08.16-VGS/2	8	16	09 065	679,96
9.08.20-VGS/2	8	20	09 070	751,66
9.08.16-VGS/E/1	8	16	09 114	835,31
9.08.20-VGS/E/2	8	20	09 115	907,01



Series 5

- Automatic hose reel, varnished version, partly galvanized or entirely made out of stainless steel (E)
- Variable Outlet window with PVC rollers
- Multiple detent per round
- Incl. 10 m vacuum hose**, DN 20 and stopper
- Max. pressure 12 bar / 90 °C

Model	m	NPS	part no.	EUR/piece
5.10.20-V/1	10	20	05 026	1.146,01
5.10.20-V/E/1	10	20	05 027	1.647,91

Plus freight costs for models series 5

49,-



Series 9 – HY

- Automatic hose reel steel sheet varnished or entirely stainless steel (E) designed for hydraulic systems
- On request with or without detents per round
- Variable outlet window with PVC rollers
- Incl. fitted twin hose**, NPS 06, 08 or 10
- Inlet and Outlet – 3/8" left and right
- Pressure max. 200 bar
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR 9	09 599	166,11
Rapid-SCS/E	Aufpreis BR 9/E	09 598	213,91

Model	m	NPS	part no.	EUR/piece
9.10.6/6-HY/2	10	06/06	09 100	1.146,01
9.10.8/8-HY/2	10	08/08	09 101	1.193,81
9.10.10/10-HY/2	10	10/10	09 102	1.265,51
9.10.6/6-HY/E/3	10	06/06	09 103	1.612,06
9.10.8/8-HY/E/3	10	08/08	09 104	1.671,81
9.10.10/10-HY/E/3	10	10/10	09 105	1.791,31



Series 9 – HY2

- Two automatic hose reels fixed on mounting plate steel sheet varnished or entirely stainless steel (E) for hydraulic systems
- On request with or without detents per round
- Variable outlet window with PVC rollers
- Incl. 2 x fitted twin hose**, NPS 12
- Inlet and Outlet – 3/2" left and right
- Pressure max. 200 bar
- Optional: Rapid-SCS®** - controlled reeling technology (Series 9-HY2 needs 2 x Rapid-SCS)

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR 9	09 599	166,11

Model	m	NPS	part no.	EUR/piece
9.10.12-HY2/2	10	12	09 106	1.313,31
9.10.12-HY2/E/3	10	12	09 107	1.851,06

Plus freight costs for models of the 9-HY2 series 49,-



Series 9 – AB

- Automatic hose reel steel sheet varnished for ADBlue
- Parts in contact with fluid made of material No. 1.44571 (V4A)
- Variable outlet window with PVC rollers
- Incl. fitted EPDM hose**, NPS 20
- Hose fittings made of material No. 1.44571 (V4A)
- Pressure max. 10 bar

Model	m	NPS	part no.	EUR/piece
9.08.20-AB	8	20	09 126	567,63
9.15.20-AB	15	20	09 127	806,63

Further models and dimensions on request.

Hose Reels For Hygienic Areas



Series 9

- Automatic hose reel steel sheet varnished or entirely stainless steel, open or enclosed (GS) version
- Variable outlet window with PVC rollers
- Multiple detents per round
- incl. fitted vapour hose**, NPS 12 for food industry and for special hygienic requirements, plus buffer
- Max. pressure: water 10 bar, 90°C/ vapour 6 bar, 164°C
- Optional: Rapid-SCS®** - controlled reeling technology

Model		part no.	EUR/piece
Rapid-SCS	Aufpreis BR 9/E	09 598	213,91
Rapid-SCS/E	Aufpreis BR 9-GS/E	09 596	213,91

Model	m	NPS	part no.	EUR/piece
9.08.12-D/E/3	8	12	09 057	775,56
9.12.12-D/E/3	12	12	09 058	1.038,46
9.08.12-DGS/E/3	8	12	09 118	895,06
9.12.12-DGS/E/3	12	12	09 119	1.157,96



Series 9 – 154

- Automatic hose reel entirely stainless steel
- Variable outlet window with PVC rollers
- Multiple detents per round
- incl. fitted vapour hose**, NPS 20 for food industry and for special hygienic requirements, plus buffer NPS 25
- Max. pressure: water 10 bar, 90°C/ vapour 6 bar, 164°C

Model	m	NPS	part no.	EUR/piece
9.15.20-D/E/1	15	20	09 361	2.329,06
9.10.25-D/E/1	10	25	09 362	2.568,06

Plus freight costs for models series 9-154 49,-

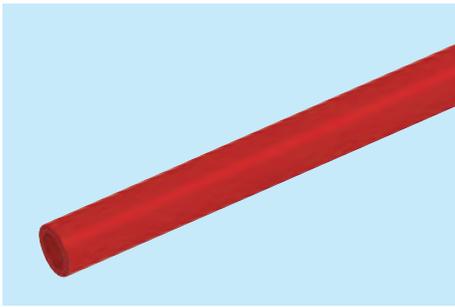


Series 5/E

- Automatic hose reel entirely stainless steel
- Variable outlet window with PVC rollers
- Multiple detents per round
- incl. fitted vapour hose**, NPS 20 for food industry and for special hygienic requirements, plus buffer
- Max. pressure: water 10 bar, 90°C/ vapour 6 bar, 164°C

Model	m	NPS	part no.	EUR/piece
5.20.12-D/E/1	20	12	05 034	1.827,16
5.30.12-D/E/1	30	12	05 035	2.030,31
5.15.20-D/E/1	15	20	05 036	2.149,81

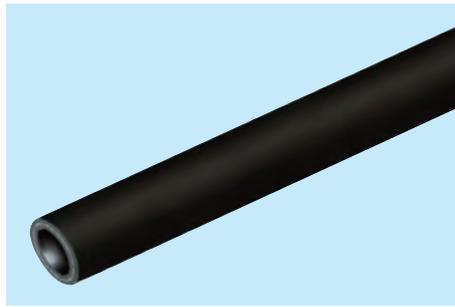
Plus freight costs for Series 5 models 49,-



Hose for compressed air „RAPID“

- PVC material, red for BR 3 and BR 4
- With filament reinforcement, length- and crosswise

Model	NPS	pressure	outer-Ø	part no.	EUR/m
LS 08	08	15 bar	14,0	04 519	4,12
LS 10	10	15 bar	15,0	04 503	4,36
LS 12	12	15 bar	17,0	04 518	5,20



Hose for hydraulics 1 TE

- for oil water, Diesel, compressed air and similar
- rubber, abrasion-resistant, weather-resistant
- with **one** textile mesh

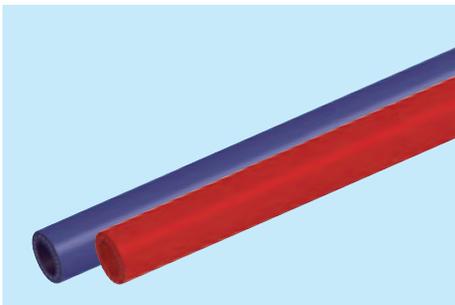
Model	NPS	pressure	outer-Ø	part no.	EUR/m
1 TE 08	08	28 bar	13,9	10 551	6,56
1 TE 10	10	28 bar	15,5	10 552	7,88
1 TE 12	12	28 bar	18,7	10 553	9,19



Hose for hydraulics 2 TE

- For oil, water, diesel, compressed air and similar products
- Rubber, constant to abrasion and weather-proof
- With **two** textile meshworks, according to EN 854

Model	NPS	pressure	outer-Ø	part no.	EUR/m
2 TE 06	06	75 bar	13,4	10 502	7,88
2 TE 10	10	63 bar	16,5	10 503	8,95
2 TE 12	12	58 bar	19,7	10 504	9,79
2 TE 16	16	50 bar	23,9	10 505	11,22
2 TE 20	20	45 bar	27,0	10 506	13,13
2 TE 25	25	40 bar	34,4	10 507	19,71
2 TE 32	32	35 bar	41,0	10 508	39,42



Hose for compressed air*

- PU material, blue for Series 1 (Type LB)
- PU material, red for Series 9 (Type LR)

Model	NPS	pressure	outer-Ø	part no.	EUR/m
LB 06	06	10 bar	13,0	01 504	4,12
LB 08	08	10 bar	14,0	01 505	4,60
LB 10	10	10 bar	15,0	01 506	5,08
LB 12	12	10 bar	18,0	01 522	5,56
LR 10	10	10 bar	15,0	01 516	5,32
LR 12	12	10 bar	18,0	01 517	5,80

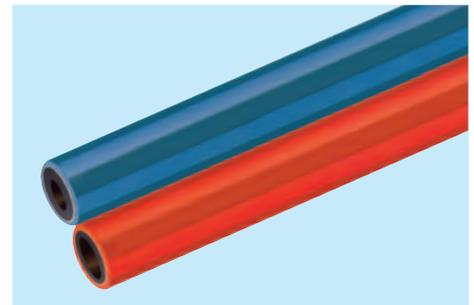
* Use fittings A LS



Hose for dairy steam

- Special rubber quality according to BgVV, references XX1, KAT.2 and FDA tested and approved
- Coating blue, core light, food constant
- Water max. 10 bar, 90° C / steam 6 bar, 164 °C

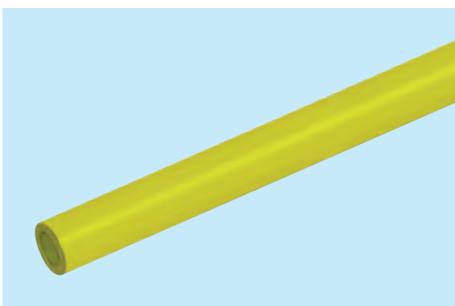
Model	NPS	pressure	outer-Ø	part no.	EUR/m
FOOD 12	12	10 bar	23,5	10 538	20,90
FOOD 20	20	10 bar	31,0	10 539	32,85
FOOD 25	25	10 bar	39,0	10 540	48,51



Duo-hose

- For acetylene-oxygen, blue-red, according to DIN 8541 / EN 559

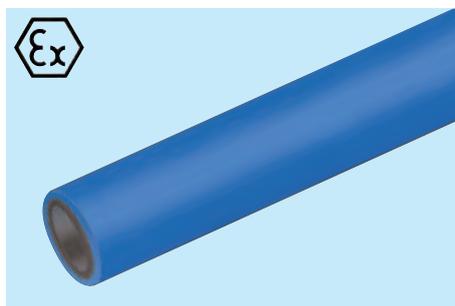
Model	NPS	pressure	outer-Ø	part no.	EUR/m
Duo 6/6	06/06	20 bar	14/14	07 504	11,83
Duo 6/9	06/09	20 bar	14/16	07 503	13,03
Duo 9/9	09/09	20 bar	16/16	07 505	14,22



Flex – hose

- Flex material yellow for series 3 and 4
- No hose memory
- Textile inlay

Model	NPS	pressure	outer-Ø	part no.	EUR/m
FS 10	10	15 bar	14,0	03 545	5,86



Hose for gas and breathing air (Ex)

- For Airpacks: Standard EN 14593 and EN 14594, physiological harmless
- Coating EPDM / black, core NBR (light)

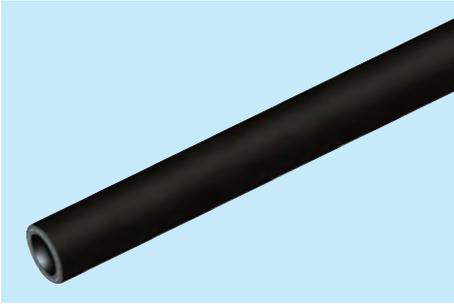
Model	NPS	pressure	outer-Ø	part no.	EUR/m
LS 10 A	10	10 bar	19,0	09 554	17,81



Hose for water „TriX“

- Cold and hot water
- EPDM, black / red
- Max. 15 bar / -40° C bis +80° C

Model	NPS	pressure	outer-Ø	part no.	EUR/m
TRIX 12	12	15 bar	20,0	10 534	12,54
TRIX 16	16	15 bar	23,6	10 535	13,85
TRIX 20	20	15 bar	27,0	10 536	15,16
TRIX 25	25	15 bar	34,0	10 537	25,68

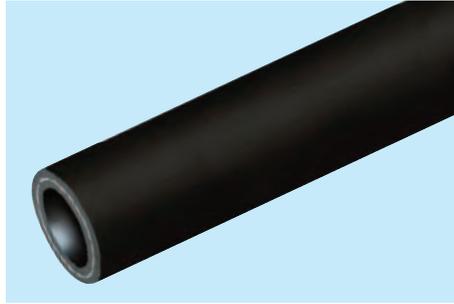


High pressure hose*

- With **one** steel mesh, black abrasion-resistant
- Also in grey (G) for areas with strict hygiene requirements
- Max. 250 bar /150°C

Model	NPS	pressure	outer-Ø	part no.	EUR/m
1SN 08-HD	08	250 bar	15,0	05 502	9,55
1SN 08-HD/G	08	250 bar	15,0	05 512	10,50
1SN 10-HD	10	250 bar	17,4	05 515	10,74
1SN 10-HD/G	10	250 bar	17,4	05 516	11,82
1SN 12-HD	12	200 bar	20,6	05 517	13,13
1SN 12-HD/G	12	200 bar	20,6	05 518	14,33

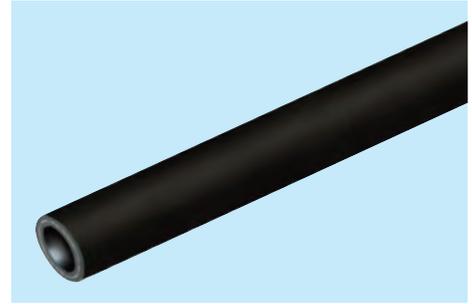
* Recommended to use reinforcement type A 1 SN-HD



Impulse resistant hose 1 SN

- For oil, water, diesel, compressed air and similar products
- Rubber, constant to abrasion and weather -proof
- With **one** steel wire meshwork, according to EN 853

Model	NPS	pressure	outer-Ø	part no.	EUR/m
1 SN 06	06	225 bar	13,4	10 523	10,50
1 SN 10	10	180 bar	17,4	10 524	11,82
1 SN 12	12	160 bar	20,6	10 525	13,13
1 SN 16	16	130 bar	23,7	10 526	14,45
1 SN 20	20	105 bar	28,0	10 527	19,71
1 SN 25	25	88 bar	35,6	10 528	Request
1 SN 32	32	63 bar	43,5	10 529	Request



Hose for AdBlue*

- For AdBlue and similar products
- Spezial hose material, EPDM
- Inner layer free of flexibiliser

Model	NPS	pressure	outer-Ø	part no.	EUR/m
ABS 20	20	10 bar	26,5	10 549	13,01

* Recommended to use reinforcement type A 2 TE

Model	NPS	pressure	outer-Ø	part no.	EUR/m
ABS 20 S	20	10 bar	30,0	10 550	26,16

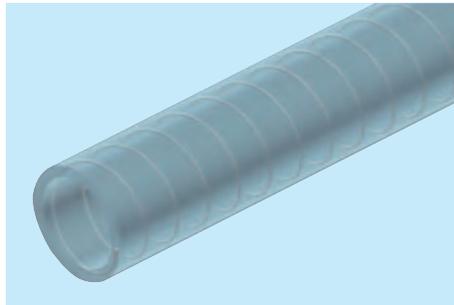
ABS 20 S = suction hose



Hose for grease 2 SN - NPS 06

- With **two** steel wire meshworks, black
- Working pressure 400 bar according to EN 853

Model	NPS	pressure	outer-Ø	part no.	EUR/m
2 SN 06	06	400 bar	15,0	60 523	10,46



Hose for vacuum

- Suction hose for oils, water, anti-freeze for coolers, etc.
- PVC up to +65° C (VACU),
- PVC/PU up to +90° C (VACU AO)

Model	NPS	pressure	outer-Ø	part no.	EUR/m
VACU 12	12	16 bar	18,0	08 500	16,13
VACU 16	16	14 bar	23,0	08 501	20,32
VACU 20	20	12 bar	27,0	08 502	25,69
VACU 25	25	9 bar	33,6	08 503	29,28
VACU 32	32	7 bar	41,0	08 504	32,86
VACU 16 AO	16	14 bar	23,0	08 505	20,32
VACU 20 AO	20	12 bar	27,0	08 506	25,69



Compressed air hose, electric conductive (Ex)

- Outside NBR, abrasion-resistant
- electric conductive, R < 10⁶ ohm
- fair oil resistance

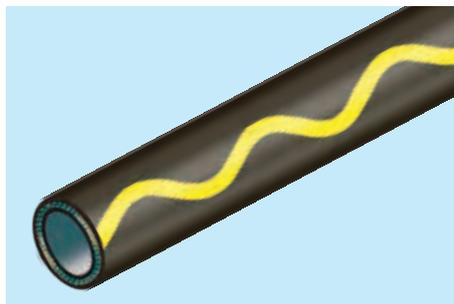
Model	NPS	pressure	outer-Ø	part no.	EUR/m
DL-E 08	08	20 bar	18,0	10 554	13,01
DL-E 10	10	20 bar	20,0	10 555	16,96
DL-E 12	12	20 bar	23,0	10 556	23,53



Gas hose

- For oxy-fuel and liquid gas according to DIN 51622, as well as propane/butane, natural gas, DMF, MPS, LPG
- Blake, without pores, smooth NBR inside

Model	NPS	pressure	outer-Ø	part no.	EUR/m
LS 10 G	10	20 bar	16,0	10 558	16,96



High performance water hose*

- Temperature resistant from -30°C up to +100°C, operation pressure up to 30 bar
- Blake, without pores, smooth EPDM inside
- Kink, and pressure resistant

Model	NPS	pressure	outer-Ø	part no.	EUR/m
HLW 12	12	30 bar	20,8	10 565	19,71
HLW 16	16	25 bar	23,2	10 566	23,89
HLW 20	20	25 bar	27,8	10 567	29,86
HLW 25	25	20 bar	34,0	10 568	39,42
HLW 32	32	12 bar	43,0	10 569	65,71

* minimum quantity 40 m



Multipurpose, electrical conductive (EX)

- For mineral oils, kerosene, leaded petrol water, saline solutions, light acids
- With pressure resistant fabric inlets, black
- Electrical conductive, R < 10⁶ Ohm

Model	NPS	pressure	outer-Ø	part no.	EUR/m
GL-E 12	12	20 bar	21,0	10 541	27,35
GL-E 16	16	20 bar	25,0	10 542	32,13
GL-E 20	20	20 bar	29,0	10 543	35,72
GL-E 25	25	20 bar	36,0	10 544	41,69
GL-E 32	32	20 bar	44,0	10 545	Request



Flexible Connection Air for Series 3

- 1 m length, NPS 10, reinforced on both sides BSP 3/8" female/male
- Flexible connection for hose reels series 3
- PVC-hose (PVC), PU hose (PU) Flex Hose (Flex) 1 TE hose (1TE)

Type	NPS	Pressure	part no.	EUR/piece
LVS 01.10-PVC	10	15 bar	20 741	17,33
LVS 01.10-PU	10	15 bar	20 742	18,52
LVS 01.10-Flex	10	15 bar	20 743	21,51
LVS 01.10-1TE	10	20 bar	20 744	25,10



Flexible Connection Air for Series 3, 4 and 9

- 1 m length, NPS 10, reinforced on both sides BSP 1/2" female/male
- Flexible connection for hose reels series 3, 34 and 9
- PVC hose (PVC), PU hose (PU) Flex hose (Flex) 1 TE hose (1TE), 2 TE hose (2TE), 1 SN hose (1SN)

Type	NPS	Pressure	part no.	EUR/piece
LVS 01.12-PVC	12	15 bar	20 745	21,51
LVS 01.12-PU	12	15 bar	20 746	22,71
LVS 01.12-1TE	12	20 bar	20 747	26,89
LVS 01.12-2TE	12	58 bar	20 748	41,23
LVS 01.12-1SN	12	160 bar	20 749	43,62



Hose Connection Sets for Series 3 and 4

- Consisting of 2x reinforcement incl. pipe bend and buffer
- For replacement hose of hose reels series 3 and 4

Type	description	part no.	EUR/piece
Set-A LS 08	Für Aufroller mit Schläuchen DN 08 (max. 15 bar)	03 538	39,32
Set-A LS 10	Für Aufroller mit Schläuchen DN 10 (max. 15 bar)	03 539	41,71
Set-A LS 12	Für Aufroller mit Schläuchen DN 12 (max. 15 bar)	03 541	44,10
Set-A 1TE 08	Für Aufroller mit Schläuchen DN 08 (max. 20 bar)	03 547	47,68
Set-A 1TE 10	Für Aufroller mit Schläuchen DN 10 (max. 20 bar)	03 548	47,68
Set-A 2TE 12	Für Aufroller mit Schläuchen DN 12 (max. 20 bar)	03 540	65,61



Reinforcement for replacement hoses

Reinforcement for replacement hoses (2 x per hose, galvanized steel)

- galvanized steel, pressure is shown in the table

Type	NPS	Pressure	part no.	EUR/piece
A LS 08	08	15 bar	03 509	9,44
A LS 10	10	15 bar	03 502	9,44
A LS 12	12	15 bar	03 536	9,44
A 1 TE 08	08	28 bar	09 582	11,83
A 1 TE 10	10	28 bar	09 585	15,42
A 1 TE 12	12	28 bar	09 590	17,81
A Duo 6/9	06/09	20 bar	07 500	41,71
A Duo 6/6	06/06	20 bar	07 501	41,71
A Duo 9/9	09/09	20 bar	07 502	41,71
A 2 TE 06	06	75 bar	09 507	27,37
A 2 TE 10	10	63 bar	09 508	27,37
A 2 TE 12	12	58 bar	09 509	29,76
A 2 TE 16	16	50 bar	09 510	35,73
A 2 TE 20	20	45 bar	06 502	35,73
A 2 TE 25	25	40 bar	06 503	41,71
A 2 TE 32	32	35 bar	06 504	54,85
A 1 SN 06	06	225 bar	09 571	29,76
A 1 SN 08-HD	08	220 bar	09 506	41,71
A 1 SN 10-HD	10	220 bar	09 592	44,10
A 1 SN 12-HD	12	220 bar	09 593	46,49
A 1 SN 10	10	180 bar	09 572	29,76
A 1 SN 12	12	160 bar	09 573	33,34
A 1 SN 16	16	130 bar	09 574	35,73
A 1 SN 20	20	105 bar	06 525	35,73
A 1 SN 25	25	88 bar	06 526	42,90
A 1 SN 32	32	63 bar	06 527	53,66
A 2 SN 06	06	400 bar	09 511	40,51
A FOOD 12	12	10 bar	06 537	29,76
A FOOD 20	20	10 bar	06 538	35,73
A FOOD 25	25	10 bar	06 539	41,71
A TRIX 12	12	15 bar	06 533	29,76
A TRIX 16	16	15 bar	06 534	35,73
A TRIX 20	20	15 bar	06 535	35,73
A TRIX 25	25	15 bar	06 536	41,71
A HLW 12	12	30 bar	06 567	29,76
A HLW 16	16	25 bar	06 568	35,73
A HLW 20	20	25 bar	06 569	35,73
A HLW 25	25	20 bar	06 570	41,71
A HLW 32	32	12 bar	06 571	52,46
A DL-E 08	08	25 bar	03 510	14,22
A DL-E 10	10	25 bar	03 511	14,22
A DL-E 12	12	25 bar	03 512	14,22
A DL-E 20	20	25 bar	03 525	16,61
A GL-E 12	12	20 bar	06 528	29,76
A GL-E 16	16	20 bar	06 529	35,73
A GL-E 20	20	20 bar	06 530	35,73
A GL-E 25	25	20 bar	06 531	41,71
A GL-E 32	32	20 bar	06 532	53,66
A LS 10 A	10	10 bar	09 555	20,20
A LS 10 G	10	10 bar	06 572	17,81

Reinforcement for replacement hoses (2 x per hose, galvanized steel)

- stainless steel (E), pressure is shown in the table

Type	NPS	Pressure	part no.	EUR/piece
A UNI 10/E	10	20 bar	06 540	64,41
A UNI 12/E	12	20 bar	06 541	88,31
A UNI 16/E	16	20 bar	06 542	112,21
A UNI 20/E	20	20 bar	06 543	131,33
A UNI 25/E	25	20 bar	06 544	167,18

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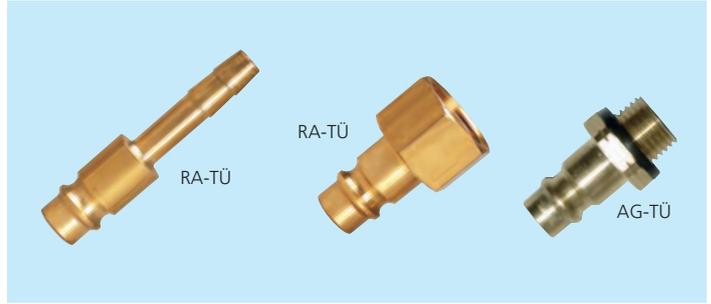
We also gladly supply the suitable connecting hoses with the desired length to you .



Hose Set "Air" + "Water"

- PVC material red, length 20 m or flex-hose, yellow, length 20 m
- With longitudinally and transverse wiring
- Incl. safty coupling and plug nipple

Model	NPS	Pressure	Length	part no.	EUR/piece
LS 08/20	08	15 bar	20 m	04 521	51,27
LS 10/20	10	15 bar	20 m	04 522	59,63
LS 12/20	12	15 bar	20 m	04 523	64,41
FS 10/12	10	15 bar	12 m	04 527	64,41
FS 10/20	10	15 bar	20 m	04 525	103,85
FS 12/15	12	15 bar	15 m	04 528	103,85
WS 12/20	12	10 bar	20 m	01 520	26,17



Plug - in sleeve

- Plug-in sleeve brass, hose connection

Type	description	part no.	EUR/piece
RA-TÜ 6	6 mm Schlauchanschluss	75 037	2,39
RA-TÜ 9	9 mm Schlauchanschluss	75 038	2,63
RA-TÜ 13	13 mm Schlauchanschluss	75 039	2,99
RA-TÜ 1/4"	1/4" IG	75 083	3,23
RA-TÜ 3/8"	3/8" IG	75 084	3,47
RA-TÜ 1/2"	1/2" IG	75 036	4,06
AG-TÜ 1/4"	1/4" AG	75 085	3,23
AG-TÜ 3/8"	3/8" AG	75 086	3,47
AG-TÜ 1/2"	1/2" AG	75 087	4,06



Double nipple

- Double nipple from NPS 06 up to NPS 50

Type	description	part no.	EUR/piece
DN 06	DN 06, 1/4" AG / 60°	20 621	5,38
DN 10	DN 10, 3/8" AG / 60°	20 622	6,57
DN 12	DN 12, 1/2" AG / 60°	20 623	10,16
DN 20	DN 20, 3/4" AG / 60°	20 624	11,35
DN 25	DN 25, 1" AG / 60°	20 625	26,17
DN 32	DN 32, 1 1/4" AG / 60°	20 626	39,32
DN 50	DN 50, 2" AG	20 627	53,66



Reduction nipple

- Reduction nipple from NPS 06 up to NPS 32

Type	description	part no.	EUR/piece
RN 10-06	DN 10-06, 3/8"-1/4" AG/60°	20 628	5,38
RN 12-10	DN 12-10, 1/2"-3/8" AG/60°	20 629	6,57
RN 20-12	DN 20-12, 3/4"-1/2" AG/60°	20 630	7,77
RN 25-20	DN 25-20, 1"-3/4" AG/60°	20 631	14,22
RN 32-25	DN 32-25, 1 1/4"-1" AG/60°	20 632	39,32
RN 25-12	DN 25-12, 1"-1/2" AG/60°	20 633	26,17
RN 32-20	DN 32-20, 1 1/4"-3/4" AG/60°	20 634	39,32



Pipe bend / Connection bend

- Pipe bend for connecting hose to hose reel for series 3,4, 5, 6 and 8

Type	description	part no.	EUR/piece
R-DN 06/08	DN 06/08 für BR 3/1 und 4, 3/8" IG	03 532	8,25
R-DN 10	DN 10 für BR 3/1 und 4, 3/8" IG	03 530	8,25
R-DN 10/12	DN 12 für BR 3/1 und 4, 3/8" IG	03 534	9,44
R-DN 12/3	DN 12 für BR 3/1 und 4, 1/2" IG	03 535	23,78
R-DN 12/6	DN 12 für BR 6/1 und 8, 1/2" IG	10 570	26,16
R-DN 20/12	DN 20 für BR 5/1, 3/4" IG - 1/2" AG	10 571	39,30
R-DN 20/12/E	DN 20 für BR 5/1/E, 3/4" IG - 1/2" AG, Edelstahl	10 574	78,60
R-DN 20	DN 20 für BR 6/1 und 8, 3/4" IG	10 572	26,16
R-DN 25	DN 25 für BR 6/1 und 8, 1" IG	10 573	39,30



Coupling

- Coupling (SSK)
- Safty coupling (ESG) with air release

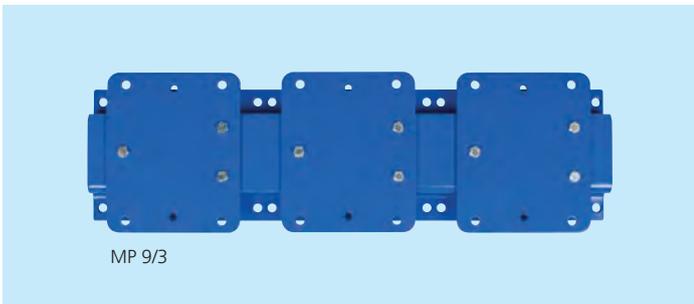
Type	description	part no.	EUR/piece
SSK 06	DN 06, 1/4" IG	03 503	13,03
SSK 10	DN 10, 3/8" IG	03 504	15,42
SSK 12	DN 12, 1/2" IG	03 529	19,00
SSK 20	DN 20, 3/4" IG	50 510	143,28
SSK 20 GR	DN 20, 3/4" IG mit Gummiring	50 530	143,28
ESG 06	DN 06, 1/4" IG	75 054	51,27
ESG 10	DN 10, 3/8" IG	75 053	51,27



Wall brackets for series 3 / 4 / 9 / 9-154

■ Mounting bracket for reel

Type	description	part no.	EUR/piece
WP 3	For Series 3	03 500	26,17
WP 4	For Series 4	04 500	77,56
MP 4/W	Angle mounting bracket BR 4	04 515	77,56
WP 9	For Series 9	09 500	77,68
WP 9/E	For Series 9 Edelstahl	09 501	173,28
WP 9-GS	For Series 9-GS	09 514	89,63
WP 9-GS/E	For Series 9-GS/E	09 579	209,13
WP 9-154	For Series 9-154	09 552	130,26
WP 9-154/E	For Series 9-154/E	09 553	333,41



Mounting brackets for series 9 / 9-GS

■ Mounting brackets for hose reels type BR 9 and hose reels type BR 9-GS

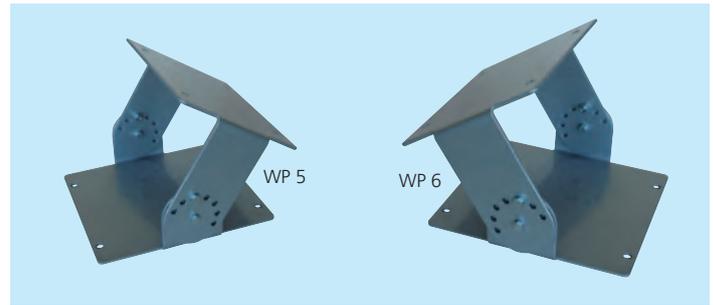
Type	description	part no.	EUR/piece
MP 9/2	2 x BR 9	09 531	190,01
MP 9/3	3 x BR 9	09 505	225,86
MP 9/4	4 x BR 9	09 515	273,66
MP 9/2-GS	2 x BR 9-GS	09 540	309,51
MP 9/3-GS	3 x BR 9-GS	09 541	333,41
MP 9/4-GS	4 x BR 9-GS	09 544	357,31



Lead-trough with rollers for series 4 / 6 / 9

■ Lead-through with roller for hose reels

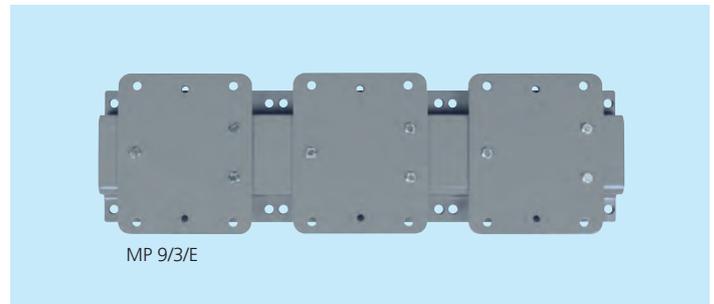
Type	description	part no.	EUR/piece
RA 4	Für Baureihe 4	04 501	41,71
RA 9	Für Baureihe 9	09 504	41,71
RA 9-GS	Für Baureihe 9-GS	09 532	47,71
RA 9/E	Für Baureihe 9/E	09 533	97,41
RA 9-GS/E	Für Baureihe 9-GS/E	09 581	94,41
RA 5/1	Für Baureihe 5/1	05 519	77,56
RA 6-350/1	Für Baureihe 6/1, 350 mm	06 557	94,41
RA 6-400/1	Für Baureihe 6/1, 400 mm	06 550	106,36
RA 6-600/1	Für Baureihe 6/1, 600 mm	06 551	118,31



Wall brackets for series 5 / 6 / 7

■ Mounting bracket for reels, 120° swivel range
■ Varnished sheet steel or stainless steel (E)

Type	description	part no.	EUR/piece
WP 5	Für Baureihe 5 und 7	05 500	178,06
WP 5/E	Für Baureihe 5 und 7 Edelstahl	05 520	273,66
WP 6-350	Für Baureihe 6/1, 392 mm	06 558	237,81
WP 6-400	Für Baureihe 6/1, 442 mm	06 552	273,66



Mounting brackets for series 9/E / 9-GS/E

■ Mounting brackets for hose reels type BR 9/E and hose reels type BR 9/E-GS

Type	description	part no.	EUR/piece
MP 9/2/E	2 x BR 9	09 584	297,56
MP 9/3/E	3 x BR 9	09 583	321,46
MP 9/4/E	4 x BR 9	09 586	345,36
MP 9/2-GS/E	2 x BR 9-GS	09 587	417,06
MP 9/3-GS/E	3 x BR 9-GS	09 588	440,96
MP 9/4-GS/E	4 x BR 9-GS	09 589	464,86



Twin holder for hose reels

■ Holder for 2 automatic hose reels series 0 and 1
■ For assembling at lifting platform, pillars or energy rack
■ Delivery without hose or cable reel
■ Scope of delivery of set (type DH-set) with cable reel, 10 m, 230 V and hose reel, 8 m for air

Type	description	part no.	EUR/piece
DH	twin holder for hose reels	01 513	101,58
DH-Set	twin holder set incl. hose reels	75 104	429,01



Maintenance unit compressed air

With fog oiler, filter and water separator from G1/4" up to G 1"

Type	description	part no.	EUR/piece
LWE 06	G 1/4" IG / IG	20 537	51,27
LWE 10	G 3/8" IG / IG	20 501	89,63
LWE 12	G 1/2" IG / IG	20 502	113,53
LWE 20	G 3/4" IG / IG	20 597	321,46
LWE 25	G 1" IG / IG	20 598	321,46
LWE 12-5	G 1/2" / 5x Ausgänge SSK 12 incl. Montagekonsole	20 728	333,41



Filter and Oiler for Pneumatic Maintenance Units

Filter and oiler for pneumatic maintenance units G 1/4" to G 1/2"

Type	description	part no.	EUR/piece
LF 06	Filter for LWE 06	20 767	27,49
LF 10	Filter for LWE 10	20 768	45,41
LF 12	Filter for LWE 12	20 769	58,56
NÖ 06	Oiler for LWE 06	20 776	31,07
NÖ 10	Oiler for LWE 10	20 777	44,22
NÖ 12	Oiler for LWE 12	20 778	60,95



Holder for nozzles, drip pan

Wall holder for flow meter and nozzles, small and large version
Drip pan for flow meters and nozzles

Type	description	part no.	EUR/piece
WH 12	kurze Ausf. (250 mm Höhe)	21 205	65,61
WH 12 PLK	lange Ausf. (700 mm Höhe)	21 206	107,43
WH 12 M/T	speziell für Tanks der Reihe M/T	21 218	131,33
TS 400	400 x 250 x 50 mm (LxBxH)	20 570	197,18
TS 800	800 x 250 x 50 mm (LxBxH)	20 589	256,93



Hose bracket

Big hose bracket for storage of hose at walls
Steel sheet, zinc coated
Sturdy design for e.g. approx. 40 m hose NPS 12 or 20 m hose NPS 20
Storage shelf for hose connection, spray nozzle etc.

Type	description	part no.	EUR/piece
SH	Wand-Schlauchhalter	75 501	58,56
SH-PVC-Set	Wand-Schlauchhalter inkl. 20 m PVC-Schlauch, DN 10	75 101	94,41
SH-PU-Set	Wand-Schlauchhalter inkl. 20 m PU-Schlauch, DN 10	75 102	106,36
SH-Flex-Set	Wand-Schlauchhalter inkl. 20 m Flex-Schlauch, DN 10	75 103	142,21



Cabinet for hose reels series 9 and 5

Housing steel sheet, to be opened with plastic shutter.
For mounting at wall, **including drip tray** and drain screw
Dim. approx. 1050 x 600 x 630 mm (L x W x H)

Type	description	part no.	EUR/piece
WSR 4	Could take up to 4 hose reels series 9	09 600	1.069,53
WSR 2	Could take up to 2 hose reels series 5	09 601	1.069,53

Plus freight costs for WSR models 69,00



Energy supplying unit

Energy supplying unit incl. three tool holders hanging on three chains
Connection for optional compressed air pipe

Type	description	part no.	EUR/piece
EA1	2x Schuko 230 V, 1x CEE 400 V	75 070	357,31
EA2	3x Schuko 230 V	75 071	381,21
EA3	1x Schuko 230 V, 1x CEE 400 V, 1x RJ45 2-fold data conn.	75 072	452,91
DA	Pressure connection with safety coupling 1/4"	75 073	35,73



Water pump pistols

- Water pump pistol, various models
- Adjustable spray jet (except for model WZP 12)
- Model WP 20/1 incl. 2 jets (2 and 4 mm)

Type	description	part no.	EUR/piece
WP 12	G 1/2" AG, 30 bar, 60° C	09 502	178,06
WP 12/2	G 1/2" IG, 4 bar, 60° C	09 549	130,26
WZP 12	G 1/2" AG, 20 bar, 20° C	09 503	89,63
WP 20/1	G 1/2" IG, 12 bar, 80° C	09 551	225,86
WSM 12	connection set, brass, DN 12	01 521	34,66



Water pump pistols for hot water

- Water pump pistols for hot water (up to 70° C) in various versions incl. quiver (Type WP 10 and WP 10-PRS)
- Model WP 20/1 incl. 2 jets (2 and 4 mm)

Type	description	part no.	EUR/piece
WP 20/1	G 1/2" IG, 12 bar, 80° C, 50 Ltr./min	09 551	225,86
WP 10-S	G 3/8" IG, 5 bar, 60° C, 11 Ltr./min.	01 524	106,36
WP 10-PRS	G 3/8" IG, 7 bar, 70° C, 11 Ltr./min.	01 525	190,01



Oil nozzle

- Nozzle, for various oils and fluids, connection thread G 1/2" IG
- Delivery without outlet pipe

Type	description	part no.	EUR/piece
ZP 12	for engine oil, gear oil etc.	21 300	77,56
ZP 12 AB	for AdBlue®, aggressive fluids	28 257	70,51
ZP 12/K	for cooling fluids, screen water	21 303	130,26
ZP 20/2	for engine oil, gear oil etc.	21 301	262,78
ZP 20/2/E	identical with ZP 20/2, incl. inspection glass	21 302	328,51
DZP 20-M	for Diesel	28 117	46,61



Swivel joints

- Swivel joint for nozzles and flow meters, out of steel (ÖDG 12), brass (ÖDG 12/K), stainless steel (ÖDG 12/E) or aluminium (DDG 25-20)

Type	description	part no.	EUR/piece
ÖDG 12	for engine oil, gear oil, etc.	21 200	23,78
ÖDG 20	for engine oil, gear oil, etc.	21 219	39,32
ÖDG 12/K	for coolant, cleaning agent	21 208	89,51
ÖDG 12/E	for acids and brines	21 209	131,33
DDG 25-20	für Diesel, G 1" IG / 3/4" AG	28 118	24,85



Air pistol, tire gauge

- Tire gauge (RFM) and air pistol (LP)
- Tire gauge with manometer, 0-10 bar
- Air pistol made out of aluminium (LP 06 / LP 10) or plastic (LP 100 / LP 270)

Type	description	part no.	EUR/piece
RFM	not calibratable	02 500	58,56
RFM E	calibratable	02 501	237,81
LP 06	DN 06	02 502	22,71
LP 10	DN 10	02 504	26,29
LP 270	DN 10, 270 mm air pipe	02 507	17,81



Grease pistols

- Grease pistols G 1/4"
- Incl. hydraulic snout
- max. 500 bar (G 77), max. 400 bar (P 77)

Type	description	part no.	EUR/piece
G 77	Digital meter (g, kg)	60 551	512,66
P 77	Grease pistol	60 501	70,51
FDG 06	3-turning swivel joint	60 500	46,61



Flow meter, analogue

- Nozzle for any kind of oil
- Display range 10 ltr. (mod. 30096-14 = 60 ltr.)
- Non-resetable totalizer
- Delivery without outlet

Type	description	part no.	EUR/piece
18 230	double counting mechanism	21 100	751,66
30096-14	switch off automatically	21 101	859,21
MS 111/E	with certificate, incl. inspection glas	21 103	895,06



Inspection glasses

- Inspection glass for oil nozzle mod. ZP and LCD/E (mod. KA) or for model MS/E (mod. MS)

Type	description	part no.	EUR/piece
KA	for Mod. ZP and LCD/E	21 501	66,80
MS	for Mod. MS/E	21 500	51,27



Flow meter, digital

- Resetable display LCD 5-digit
- Non-resetable totalizer, G 1/2"
- Mod. LCD 50 incl. pre-selection saving
- Without outlet pipe, except LCD 18 K, LCD 18 S

Type	description	part no.	EUR/piece
LCD 18/1	Input NPS 12, not calibratable, oil	21 003	297,56
LCD 19	Input NPS 20, not calibratable, oil	21 018	417,06
LCD 18 K	Input NPS 12, not calibratable, coolant	21 021	656,06
LCD 18 S	Input NPS 12, not calibratable, screen water	21 022	656,06
LCD 18/E	Input NPS 12, calibratable, oil	21 004	584,36
LCD 50	Input NPS 12, not calibratable, preset meter	21 006	835,31



Diesel-, oil- & AdBlue® nozzles

- For Diesel (DZP) or AdBlue (ZPA-AB)
- Connection G 3/4" IG, NPS 20 (DZP 20), G 1" IG, NPS 25 (DZP 25) or G 3/4" IG, NPS 20 (ZPA-AB)

Typ	DN	Beschreibung	part no.	EUR/piece
DZP 20	20	without type approval, for diesel	28 116	190,01
DZP 20-B	20	with type approval, for diesel	28 100	237,81
DZP 20-Z	20	without type approval, for diesel, with meter	28 115	333,41
DZP 25	25	without type approval, for diesel	28 101	237,81
ZPA 19-AB/E	20	without type approval, for AdBlue®	28 256	357,31
BAS-ZP	20	with type approva, für fuel	52 502	328,63



Outlet pipe for water and oil

- Outlet pipes for nozzles and flow meters, incl. anti-drip snout

Type	description	part no.	EUR/piece
AR-MV 12	angled, with screwed nozzle for engine oil	21 224	19,00
AR-M 12	angled for engine oil	21 201	32,15
AR-M 20	angled for engine oil	21 225	38,12
AR-G 12	bent for gear oil	21 202	35,73
AF-M 12	flexible, for engine oil	21 203	47,68
AF-G 12	flexible, for gear oil	21 204	51,27



Colour markings

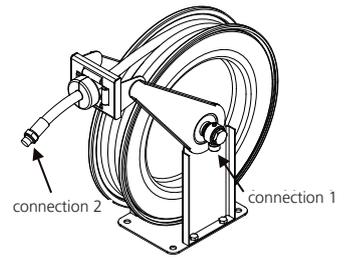
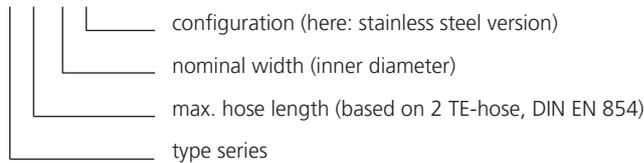
- Colour markings for nozzles and flow meters with swivel joints type ÖDG 12

Type	Colour	part no.	EUR/piece
FKZ red	red	21 210	8,25
FKZ yellow	yellow	21 211	8,25
FKZ black	black	21 212	8,25
FKZ green	green	21 213	8,25
FKZ blue	blue	21 214	8,25

Legend for type description

Legend for type description of cable- and hose reels

Example: Hose reel
typee 9.10.12/E



Technical information - Cable reels

Series 0 - 230 V

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	cable length	cable type	performance	voltage
0.06.05	00 010	230 x 200 x 150 mm	230 x 180 x 130 mm	2,0 kg	Schukostecker	Schukokupplung	6 m	H05VV-F, 3x 1,5	800 - 2000 W	230 V
0.10.05	00 001	280 x 280 x 190 mm	310 x 260 x 160 mm	3,8 kg	Schukostecker	Schukokupplung	10 m	H05VV-F, 3x 1,5	800 - 2000 W	230 V
0.15.05	00 002	290 x 290 x 205 mm	325 x 275 x 185 mm	4,5 kg	Schukostecker	Schukokupplung	15 m	H05VV-F, 3x 1,5	800 - 2000 W	230 V
0.25.05	00 003	420 x 390 x 230 mm	450 x 361 x 195 mm	8,3 kg	Schukostecker	Schukokupplung	25 m	H05VV-F, 3x 1,5	800 - 2000 W	230 V
0.35.05	00 012	500 x 435 x 235 mm	530 x 425 x 210 mm	11,7 kg	Schukostecker	Schukokupplung	35 m	H05VV-F, 3x 1,5	800 - 2000 W	230 V
0.20.05	00 013	420 x 390 x 230 mm	450 x 361 x 195 mm	9,2 kg	Schukostecker	Schukokupplung	20 m	H07RN-F, 3x 2,5	1600 - 3500 W	230 V
0.15.05-L	00 006	415 x 240 x 280 mm	325 x 275 x 185 mm	4,0 kg	Schukostecker	Lampe, G23	15 m	H05VV-F, 2x 1,0	9 W	230 V

Series 0 - 400 V

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	cable length	cable type	performance	voltage
0.10.07	00 007	350 x 330 x 250 mm	355 x 315 x 190 mm	6,3 kg	CEE-Stecker	CEE-Kupplung	10 m	H07RN-F, 5x 1,5	1000 - 3000 W	400 V
0.20.07	00 004	420 x 390 x 230 mm	450 x 361 x 195 mm	11,0 kg	CEE-Stecker	CEE-Kupplung	20 m	H07RN-F, 5x 1,5	1000 - 3000 W	400 V
0.30.07	00 011	500 x 435 x 235 mm	530 x 425 x 210 mm	12,0 kg	CEE-Stecker	CEE-Kupplung	30 m	H07RN-F, 5x 1,5	1000 - 3000 W	400 V
0.15.07	00 014	420 x 390 x 230 mm	450 x 361 x 195 mm	11,0 kg	CEE-Stecker	CEE-Kupplung	15 m	H07RN-F, 5x 2,5	2800 - 5000 W	400 V

Series 0 - 24 V

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	cable length	cable type	performance	voltage
0.15.05-L24	00 009	415 x 280 x 240 mm	310 x 260 x 205 mm	4,4 kg	Schukostecker	Lampe, 2G7	15 m	H05VV-F, 2x 1,0	11 W	24 V

Series 0 - with clamps

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	cable length	cable type
0.15.06-K	00 050	290 x 290 x 275 mm	310 x 260 x 160 mm	3,8 kg	Klemme	Erdungsklammer	15 m	H07V-K, 1x 6,0
0.06.16-B	00 052	360 x 310 x 185 mm	350 x 320 x 160 mm	5,4 kg	Klemme	Batterieklemme	6 m	H05W-F 2G 16,0
0.09.16-B	00 053	400 x 370 x 260 mm	400 x 360 x 215 mm	12,5 kg	Klemme	Batterieklemme	9 m	H05W-F 2G 16,0

Series 0 - with LAN-cable

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	cable length	cable type
0.15.LAN	00 054	280 x 280 x 190 mm	310 x 260 x 160 mm	4,0 kg	RJ45-Buchse	RJ45-Stecker	15 m	4x (2x0,15) mm ² LAN-Kabel CAT 5e, 2A

Technical information - Hose reels

Series 1

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	hose length	Hose-Ø	Max. pressure
1.06.06	01 006	230 x 200 x 150 mm	225 x 180 x 130 mm	1,2 kg	1/4" iG	1/4" aG	6 m	DN 06	10 bar, Luft
1.12.06	01 007	290 x 290 x 205 mm	325 x 275 x 185 mm	3,4 kg	1/4" iG	1/4" aG	10 m	DN 06	10 bar, Luft
1.15.06	01 008	360 x 330 x 210 mm	355 x 315 x 190 mm	4,5 kg	1/4" iG	1/4" aG	15 m	DN 06	10 bar, Luft
1.05.08-HW/E	01 013	265 x 210 x 150 mm	275 x 218 x 120 mm	3,0 kg	-	3/8" aG	5 m	DN 08	10 bar, 70° Wasser
1.08.08	01 001	290 x 290 x 205 mm	325 x 275 x 185 mm	3,4 kg	1/4" iG	1/4" aG	8 m	DN 08	10 bar, Luft
1.12.08	01 004	360 x 330 x 210 mm	355 x 315 x 190 mm	4,5 kg	1/4" iG	1/4" aG	12 m	DN 08	10 bar, Luft
1.15.08	01 002	420 x 390 x 230 mm	450 x 361 x 195 mm	5,5 kg	1/4" iG	1/4" aG	15 m	DN 08	10 bar, Luft
1.15.08-HW/E	01 015	385 x 365 x 170 mm	392 x 324 x 160 mm	6,0 kg	-	3/8" aG	15 m	DN 08	10 bar, 70° Wasser
1.03.10-HW/E	01 014	265 x 210 x 150 mm	275 x 218 x 120 mm	3,0 kg	-	3/8" aG	3 m	DN 10	10 bar, 70° Wasser
1.12.10-HW/E	01 016	385 x 365 x 170 mm	392 x 324 x 160 mm	6,0 kg	-	3/8" aG	12 m	DN 10	10 bar, 70° Wasser
1.15.10	01 010	420 x 390 x 230 mm	450 x 361 x 195 mm	5,6 kg	3/8" iG	3/8" aG	15 m	DN 10	10 bar, Luft
1.20.10	01 011	500 x 435 x 235 mm	530 x 425 x 210 mm	8,3 kg	3/8" iG	3/8" aG	20 m	DN 10	10 bar, Luft
1.15.12	01 012	500 x 435 x 235 mm	530 x 425 x 210 mm	8,3 kg	1/2" iG	1/2" aG	15 m	DN 12	10 bar, Luft
1.20.12-W2-SCS	01 331	550 x 460 x 260 mm	615 x 429 x 247 mm	10,6 kg	1/2" iG	Sprühgarnitur	20 m	DN 12	10 bar, Wasser

Series 2

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	hose length	Hose-Ø	Max. pressure
2.30.10	02 002	420 x 420 x 380 mm	400 x 400 x 370 mm	20,0 kg	3/8" iG	3/8" aG	30 m	DN 10	15 bar

Series 3

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	hose length	Hose-Ø	Max. pressure
3.10.08-TE/1	03 050	380 x 330 x 230 mm	355 x 325 x 155 mm	7,0 kg	3/8" iG	1/4" aG	10 m	DN 08	20 bar
3.20.08-TE/1	03 051	400 x 390 x 230 mm	380 x 375 x 155 mm	9,0 kg	3/8" iG	1/4" aG	20 m	DN 08	20 bar
3.12.10/1	03 007	380 x 330 x 230 mm	355 x 325 x 155 mm	7,0 kg	3/8" iG	3/8" aG	12 m	DN 10	15 bar
3.20.10/1	03 009	400 x 390 x 230 mm	380 x 375 x 155 mm	9,0 kg	3/8" iG	3/8" aG	20 m	DN 10	15 bar
3.10.10-TE/1	03 052	380 x 330 x 230 mm	355 x 325 x 155 mm	7,0 kg	3/8" iG	3/8" aG	10 m	DN 10	20 bar
3.15.10-TE/1	03 053	400 x 390 x 230 mm	380 x 375 x 155 mm	9,0 kg	3/8" iG	3/8" aG	15 m	DN 10	20 bar
3.10.10-Flex	03 030	380 x 330 x 230 mm	355 x 325 x 155 mm	7,0 kg	3/8" iG	3/8" aG	10 m	DN 10	15 bar

Technical information - Hose reels

Series 3 (continuation)

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	hose length	Hose-Ø	Max. pressure
3.15.10-Flex	03 031	400 x 390 x 230 mm	380 x 375 x 155 mm	9,0 kg	3/8" iG	3/8" aG	15 m	DN 10	15 bar
3.15.10-A/1	03 011	400 x 390 x 230 mm	380 x 375 x 155 mm	9,0 kg	3/8" iG	3/8" iG	15 m	DN 10	20 bar
3.08.12/1	03 025	400 x 390 x 230 mm	380 x 375 x 155 mm	9,0 kg	1/2" aG	1/2" aG	8 m	DN 12	15 bar
3.15.12/1	03 026	400 x 390 x 230 mm	380 x 375 x 155 mm	9,0 kg	1/2" aG	1/2" aG	15 m	DN 12	15 bar
3.08.12-Ø/1	03 012	400 x 390 x 230 mm	380 x 375 x 155 mm	9,0 kg	1/2" aG	1/2" aG	8 m	DN 12	20 bar
3.20.12-W/1	03 010	400 x 390 x 230 mm	380 x 375 x 155 mm	9,0 kg	1/2" aG	Sprühdüse	20 m	DN 12	12 bar

Series 4

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	hose length	Hose-Ø	Max. pressure
4.10.08-TE/1	04 050	410 x 360 x 200 mm	345 x 310 x 140 mm	7,0 kg	3/8" aG	1/4" aG	10 m	DN 08	20 bar
4.20.08-TE/1	04 051	460 x 395 x 200 mm	405 x 360 x 140 mm	9,0 kg	3/8" aG	1/4" aG	20 m	DN 08	20 bar
4.10.10/1	04 007	410 x 360 x 200 mm	345 x 310 x 140 mm	7,0 kg	3/8" aG	3/8" aG	10 m	DN 10	15 bar
4.20.10/1	04 009	460 x 395 x 200 mm	405 x 360 x 140 mm	9,0 kg	3/8" aG	3/8" aG	20 m	DN 10	15 bar
4.10.10-TE/1	04 052	410 x 360 x 200 mm	345 x 310 x 140 mm	7,0 kg	3/8" aG	3/8" aG	10 m	DN 10	20 bar
4.15.10-TE/1	04 053	460 x 395 x 200 mm	405 x 360 x 140 mm	9,0 kg	3/8" aG	3/8" aG	15 m	DN 10	20 bar
4.10.10-Flex	04 028	410 x 360 x 200 mm	345 x 310 x 140 mm	7,0 kg	3/8" aG	3/8" aG	10 m	DN 10	15 bar
4.15.10-Flex	04 029	460 x 395 x 200 mm	405 x 360 x 140 mm	9,0 kg	3/8" aG	3/8" aG	15 m	DN 10	15 bar
4.08.12/1	04 023	460 x 395 x 200 mm	405 x 360 x 140 mm	9,0 kg	1/2" aG	1/2" aG	8 m	DN 12	15 bar
4.15.12/1	04 024	460 x 395 x 200 mm	405 x 360 x 140 mm	10,0 kg	1/2" aG	1/2" aG	15 m	DN 12	15 bar
4.08.12-Ø/1	04 010	460 x 395 x 200 mm	405 x 360 x 140 mm	10,0 kg	1/2" aG	1/2" aG	8 m	DN 12	20 bar
4.10.08-TE/G/1	04 060	410 x 360 x 200 mm	350 x 320 x 140 mm	7,0 kg	3/8" aG	1/4" aG	10 m	DN 08	20 bar
4.20.08-TE/G/1	04 061	460 x 395 x 200 mm	410 x 370 x 140 mm	9,0 kg	3/8" aG	1/4" aG	20 m	DN 08	20 bar
4.10.10-G/1	04 017	410 x 360 x 200 mm	350 x 320 x 140 mm	7,0 kg	3/8" aG	3/8" aG	10 m	DN 10	15 bar
4.20.10-G/1	04 019	460 x 395 x 200 mm	410 x 370 x 140 mm	9,0 kg	3/8" aG	3/8" aG	20 m	DN 10	15 bar
4.10.10-TE/G/1	04 062	410 x 360 x 200 mm	350 x 320 x 140 mm	7,0 kg	3/8" aG	3/8" aG	10 m	DN 10	20 bar
4.15.10-TE/G/1	04 063	460 x 395 x 200 mm	410 x 370 x 140 mm	9,0 kg	3/8" aG	3/8" aG	15 m	DN 10	20 bar
4.10.10-Flex	04 030	410 x 360 x 200 mm	350 x 320 x 140 mm	7,0 kg	3/8" aG	3/8" aG	10 m	DN 10	15 bar
4.15.10-Flex	04 031	460 x 395 x 200 mm	410 x 370 x 140 mm	9,0 kg	3/8" aG	3/8" aG	15 m	DN 10	15 bar
4.15.10-GA/1	04 021	460 x 395 x 200 mm	410 x 370 x 140 mm	9,0 kg	3/8" aG	3/8" iG	15 m	DN 10	20 bar
4.08.12-G/1	04 025	460 x 395 x 200 mm	410 x 370 x 140 mm	9,0 kg	1/2" aG	1/2" aG	8 m	DN 12	15 bar
4.15.12-G/1	04 026	460 x 395 x 200 mm	410 x 370 x 140 mm	10,0 kg	1/2" aG	1/2" aG	15 m	DN 12	15 bar
4.08.12-Ø/G/1	04 020	460 x 395 x 200 mm	410 x 370 x 140 mm	10,0 kg	1/2" aG	1/2" aG	8 m	DN 12	20 bar

Series 5

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	hose length	Hose-Ø	Max. pressure
5.30.06/1	05 032	520 x 370 x 570 mm	460 x 510 x 360 mm	25,0 kg	1/4" iG	Schlauchtülle DN 06	30 m	DN 06	400 bar
5.30.08-HD/1	05 020	520 x 370 x 570 mm	460 x 510 x 360 mm	25,0 kg	M 22 x 1,5 aG	Schlauchtülle DN 08	30 m	DN 08	220 bar
5.40.10/1	05 010	520 x 370 x 570 mm	460 x 510 x 360 mm	25,0 kg	1/2" aG	Schlauchtülle DN 10	40 m	DN 10	50 bar
5.40.10-HD/1	05 021	520 x 370 x 570 mm	460 x 510 x 360 mm	25,0 kg	3/8" iG	Schlauchtülle DN 10	40 m	DN 10	250 bar
5.40.12/1	05 011	520 x 370 x 570 mm	460 x 510 x 360 mm	25,0 kg	1/2" aG	Schlauchtülle DN 12	40 m	DN 12	50 bar
5.40.12-HD/1	05 022	520 x 370 x 570 mm	460 x 510 x 360 mm	25,0 kg	1/2" aG	Schlauchtülle DN 12	40 m	DN 12	250 bar
5.20.16/1	05 012	520 x 370 x 570 mm	460 x 510 x 345 mm	20,0 kg	3/4" iG	Schlauchtülle DN 16	20 m	DN 16	50 bar
5.30.16/1	05 013	520 x 370 x 570 mm	460 x 510 x 360 mm	25,0 kg	3/4" iG	Schlauchtülle DN 16	30 m	DN 16	50 bar
5.20.20/1	05 014	520 x 370 x 570 mm	460 x 510 x 345 mm	20,0 kg	3/4" iG	Schlauchtülle DN 20	20 m	DN 20	50 bar

*Gewichtangaben ohne Schlauch

Series 5/E (stainless steel)

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	hose length	Hose-Ø	Max. pressure
5.30.06/E/1	05 033	520 x 370 x 570 mm	460 x 510 x 360 mm	25,0 kg	1/4" iG	Schlauchtülle DN 06	30 m	DN 06	400 bar
5.30.08-HD/E/1	05 023	520 x 370 x 570 mm	460 x 510 x 360 mm	25,0 kg	M 22 x 1,5 aG	Schlauchtülle DN 08	30 m	DN 08	220 bar
5.40.10/E/1	05 015	520 x 370 x 570 mm	460 x 510 x 360 mm	25,0 kg	1/2" aG	Schlauchtülle DN 10	40 m	DN 10	50 bar
5.40.10-HD/E/1	05 024	520 x 370 x 570 mm	460 x 510 x 360 mm	25,0 kg	3/8" iG	Schlauchtülle DN 10	40 m	DN 10	250 bar
5.40.12-E/1	05 016	520 x 370 x 570 mm	460 x 510 x 360 mm	25,0 kg	1/2" aG	Schlauchtülle DN 12	40 m	DN 12	50 bar
5.40.12-HD/E/1	05 025	520 x 370 x 570 mm	460 x 510 x 360 mm	25,0 kg	1/2" aG	Schlauchtülle DN 12	40 m	DN 12	250 bar
5.20.12-D/E/1	05 034	520 x 370 x 570 mm	460 x 510 x 345 mm	20,0 kg	1/2" aG	Schlauchtülle DN 12	20 m	DN 12	10 bar
5.30.12-D/E/1	05 035	520 x 370 x 570 mm	460 x 510 x 360 mm	25,0 kg	1/2" aG	Schlauchtülle DN 12	30 m	DN 12	10 bar
5.20.16-E/1	05 017	520 x 370 x 570 mm	460 x 510 x 345 mm	20,0 kg	3/4" iG	Schlauchtülle DN 16	20 m	DN 16	50 bar
5.30.16-E/1	05 018	520 x 370 x 570 mm	460 x 510 x 360 mm	20,0 kg	3/4" iG	Schlauchtülle DN 16	30 m	DN 16	50 bar
5.20.20-E/1	05 019	520 x 370 x 570 mm	460 x 510 x 345 mm	20,0 kg	3/4" iG	Schlauchtülle DN 20	20 m	DN 20	50 bar
5.15.20-D/E/1	05 036	520 x 370 x 570 mm	460 x 510 x 345 mm	20,0 kg	3/4" iG	Schlauchtülle DN 20	15 m	DN 20	10 bar

*Gewichtangaben ohne Schlauch

Series 6

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	hose length	Hose-Ø	Max. pressure
6.50.12/1	06 022	800 x 600 x 700 mm	620 x 693 x 477 mm	37,0 kg	1/2" aG	1/2" iG	50 m	DN 12	50 bar
6.30.20/1	06 004	800 x 600 x 700 mm	620 x 693 x 477 mm	37,0 kg	3/4" aG	3/4" iG	30 m	DN 20	50 bar
6.40.20/1	06 005	800 x 600 x 700 mm	620 x 693 x 528 mm	42,0 kg	3/4" aG	3/4" iG	40 m	DN 20	50 bar
6.20.25/1	06 006	800 x 600 x 700 mm	620 x 693 x 497 mm	37,0 kg	1" iG	1" iG	20 m	DN 25	50 bar
6.30.25/1	06 007	800 x 600 x 700 mm	620 x 693 x 528 mm	45,0 kg	1" iG	1" iG	30 m	DN 25	50 bar
6.40.25/1	06 008	800 x 600 x 700 mm	620 x 693 x 528 mm	45,0 kg	1" iG	1" iG	40 m	DN 25	50 bar
6.50.25/1	06 009	1200 x 800 x 900 mm	620 x 693 x 728 mm	85,0 kg	1" iG	1" iG	50 m	DN 25	50 bar
6.20.32/1	06 010	800 x 600 x 700 mm	620 x 693 x 528 mm	42,0 kg	1 1/4" aG	1 1/4" iG	20 m	DN 32	50 bar

*Gewichtangaben ohne Schlauch

Series 7 + Series 9 (gas-oxygen)

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	hose length	Hose-Ø	Max. pressure
7.10.6/9/1	07 001	500 x 500 x 500 mm	460 x 510 x 420 mm	26,0 kg	1/4" aG, 3/8" aG li	1/4" iG, 3/8" iG li	10 m	DN 06/09	20 bar
7.15.6/9/1	07 002	500 x 500 x 500 mm	460 x 510 x 420 mm	28,0 kg	1/4" aG, 3/8" aG li	1/4" iG, 3/8" iG li	15 m	DN 06/09	20 bar
7.20.6/9/1	07 003	500 x 500 x 500 mm	460 x 510 x 420 mm	30,0 kg	1/4" aG, 3/8" aG li	1/4" iG, 3/8" iG li	20 m	DN 06/09	20 bar

Technical information - Hose reels

Series 7 + Series 9 (gas-oxygen) – (continuation)

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	hose length	Hose-Ø	Max. pressure
9.10.6/6/1	09 067	500 x 500 x 500 mm	440 x 460 x 265 mm	17,0 kg	1/4" aG, 3/8" aG li	1/4" iG 3/8" iG li	10 m	DN06/06	20 bar
9.15.6/6/1	09 068	500 x 500 x 500 mm	470 x 495 x 265 mm	19,0 kg	1/4" aG, 3/8" aG li	1/4" iG 3/8" iG li	15 m	DN06/06	20 bar

Series 8

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	hose length	Hose-Ø	Max. pressure
8.20.08-HD/H	08 012	460 x 470 x 220 mm	500 x 460 x 218 mm	7,0 kg	M22 x 1,5 aG	M22 x 1,5 aG	20 m	DN 08	220 bar
8.30.08-HD/H	08 009	460 x 470 x 220 mm	500 x 460 x 218 mm	7,0 kg	M22 x 1,5 aG	M22 x 1,5 aG	30 m	DN 08	220 bar
8.50.08-HD/H	08 010	510 x 520 x 510 mm	460 x 510 x 470 mm	12,0 kg	M22 x 1,5 aG	M22 x 1,5 aG	50 m	DN 08	220 bar
8.50.10-H	08 001	510 x 520 x 510 mm	460 x 510 x 470 mm	12,0 kg	1/2" aG	Schlauchtülle DN 10	50 m	DN 10	40 bar
8.20.12-H	08 011	460 x 470 x 220 mm	500 x 460 x 218 mm	7,0 kg	1/2" aG	1/2" aG	20 m	DN 12	40 bar
8.50.12-H	08 002	510 x 520 x 510 mm	460 x 510 x 470 mm	12,0 kg	1/2" aG	Schlauchtülle DN 12	50 m	DN 12	40 bar
8.50.12-HSW	08 006	1200 x 800 x 900 mm	670 x 510 x 980 mm	21,0 kg	1/2" aG	Schlauchtülle DN 12	50 m	DN 12	40 bar
8.50.12-HD/HSW	08 023	1200 x 800 x 900 mm	670 x 510 x 980 mm	21,0 kg	1/2" aG	Schlauchtülle DN 12	50 m	DN 12	220 bar
8.50.20-H	08 003	800 x 600 x 700 mm	620 x 693 x 670 mm	23,0 kg	3/4" aG	3/4" iG	50 m	DN 20	40 bar
8.50.20-HSW	08 007	1200 x 800 x 900 mm	720 x 740 x 840 mm	38,0 kg	3/4" aG	3/4" iG	50 m	DN 20	40 bar
8.50.25-H	08 004	800 x 600 x 700 mm	620 x 693 x 670 mm	23,0 kg	1" aG	1" iG	40 m	DN 25	40 bar
8.40.25-HSW	08 008	1200 x 800 x 900 mm	720 x 740 x 840 mm	38,0 kg	1" aG	1" iG	40 m	DN 25	40 bar

*Gewichtsangaben ohne Schlauch

Series 8/E (stainless steel)

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	hose length	Hose-Ø	Max. pressure
8.80.12-HE	08 020	800 x 600 x 580 mm	714 x 465 x 515 mm	15,0 kg	1/2" iG	1/2" iG	80 m	DN 12	200 bar
8.50.20-HE	08 021	800 x 600 x 580 mm	714 x 465 x 515 mm	16,0 kg	3/4" iG	3/4" iG	50 m	DN 20	200 bar
8.40.25-HE	08 022	800 x 600 x 580 mm	714 x 465 x 515 mm	16,0 kg	1" iG	1" iG	40 m	DN 25	100 bar

*Gewichtsangaben ohne Schlauch

Series 9

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	hose length	Hose-Ø	Max. pressure
9.12.06/2	09 015	480 x 210 x 470 mm	440 x 460 x 200 mm	15,0 kg	1/4" iG	1/4" aG	12 m	DN 06	400 bar
9.20.06/2	09 016	520 x 210 x 500 mm	470 x 494 x 200 mm	19,0 kg	1/4" iG	1/4" aG	20 m	DN 06	400 bar
9.12.08-HD/2	09 019	480 x 210 x 470 mm	440 x 460 x 180 mm	16,0 kg	M22 x 1,5 aG	M22 x 1,5 iG	12 m	DN 08	220 bar
9.20.08-HD/2	09 020	520 x 210 x 500 mm	470 x 494 x 180 mm	20,0 kg	M22 x 1,5 aG	M22 x 1,5 iG	20 m	DN 08	220 bar
9.12.10/2	09 001	480 x 210 x 470 mm	440 x 460 x 180 mm	16,0 kg	1/2" aG	3/8" aG	12 m	DN 10	50 bar
9.20.10/2	09 002	520 x 210 x 500 mm	470 x 494 x 180 mm	20,0 kg	1/2" aG	3/8" aG	20 m	DN 10	50 bar
9.12.10-PU/2	09 130	480 x 210 x 470 mm	440 x 460 x 180 mm	16,0 kg	1/2" aG	3/8" aG	12 m	DN 10	20 bar
9.20.10-PU/2	09 131	520 x 210 x 500 mm	470 x 494 x 180 mm	20,0 kg	1/2" aG	3/8" aG	20 m	DN 10	20 bar
9.12.10-TE/2	09 140	480 x 210 x 470 mm	440 x 460 x 180 mm	16,0 kg	1/2" aG	3/8" aG	12 m	DN 10	20 bar
9.20.10-TE/2	09 141	520 x 210 x 500 mm	470 x 494 x 180 mm	20,0 kg	1/2" aG	3/8" aG	20 m	DN 10	20 bar
9.12.10-Flex/2	09 138	480 x 210 x 470 mm	440 x 460 x 180 mm	16,0 kg	1/2" aG	3/8" aG	12 m	DN 10	20 bar
9.20.10-Flex/2	09 139	520 x 210 x 500 mm	470 x 494 x 180 mm	20,0 kg	1/2" aG	3/8" aG	20 m	DN 10	20 bar
9.10.12/2	09 003	480 x 210 x 470 mm	440 x 460 x 180 mm	17,0 kg	1/2" aG	1/2" aG	10 m	DN 12	50 bar
9.15.12/2	09 004	520 x 210 x 500 mm	470 x 494 x 180 mm	21,0 kg	1/2" aG	1/2" aG	15 m	DN 12	50 bar
9.20.12/2	09 005	520 x 210 x 500 mm	470 x 494 x 180 mm	21,0 kg	1/2" aG	1/2" aG	20 m	DN 12	50 bar
9.10.12-PU/2	09 132	480 x 210 x 470 mm	440 x 460 x 180 mm	17,0 kg	1/2" aG	1/2" aG	10 m	DN 12	20 bar
9.20.12-PU/2	09 133	520 x 210 x 500 mm	470 x 494 x 180 mm	21,0 kg	1/2" aG	1/2" aG	20 m	DN 12	20 bar
9.10.12-TE/2	09 142	480 x 210 x 470 mm	440 x 460 x 180 mm	17,0 kg	1/2" aG	1/2" aG	10 m	DN 12	20 bar
9.20.12-TE/2	09 143	520 x 210 x 500 mm	470 x 494 x 180 mm	21,0 kg	1/2" aG	1/2" aG	20 m	DN 12	20 bar
9.10.12/2*	09 202	480 x 210 x 470 mm	440 x 460 x 180 mm	12,0 kg	1/2" aG	1/2" aG	10 m	DN 12	40 bar
9.15.12/2*	09 203	520 x 210 x 500 mm	470 x 494 x 180 mm	15,0 kg	1/2" aG	1/2" aG	15 m	DN 12	40 bar
9.10.16/2	09 007	520 x 210 x 500 mm	470 x 494 x 180 mm	23,0 kg	1/2" aG	3/4" aG	10 m	DN 16	50 bar
9.08.16-V/2	09 064	520 x 210 x 500 mm	470 x 494 x 180 mm	23,0 kg	3/4" aG	1/2" aG	8 m	DN 16	Vakuum
9.08.20-V/2	09 069	520 x 210 x 500 mm	470 x 494 x 180 mm	24,0 kg	3/4" aG	3/4" aG	8 m	DN 20	Vakuum
9.08.20-AB	09 126	550 x 260 x 540 mm	475 x 460 x 196 mm	37,5 kg	3/4" aG	3/4" aG	8 m	DN 20	10 bar
9.15.20-AB	09 127	550 x 260 x 540 mm	495 x 460 x 246 mm	52,9 kg	3/4" aG	3/4" aG	15 m	DN 20	10 bar
9.10.6/6/2	09 067	500 x 500 x 500 mm	440 x 460 x 265 mm	17,0 kg	1/4" aG, 3/8" aG li	1/4" iG 3/8" iG li	10 m	DN 06/06	20 bar
9.15.6/6/2	09 068	500 x 500 x 500 mm	470 x 495 x 265 mm	19,0 kg	1/4" aG, 3/8" aG li	1/4" iG 3/8" iG li	15 m	DN 06/06	20 bar
9.10.6/6-HY/2	09 100	500 x 500 x 500 mm	460 x 460 x 265 mm	17,0 kg	3/8" aG	3/8" iG	10 m	DN 06/06	200 bar
9.10.8/8-HY/2	09 101	500 x 500 x 500 mm	470 x 495 x 265 mm	19,0 kg	3/8" aG	3/8" iG	10 m	DN 08/08	200 bar
9.10.10/10-HY/2	09 102	500 x 500 x 500 mm	470 x 495 x 266 mm	20,0 kg	3/8" aG	3/8" iG	10 m	DN 10/10	200 bar
9.10.12-HY/2	09 106	500 x 500 x 500 mm	470 x 494 x 360 mm	45,0 kg	1/2" aG 1/2" aG	1/2" iG 1/2" iG	10 m	DN 12/12	200 bar

Series 9/E (stainless steel)

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	hose length	Hose-Ø	Max. pressure
9.12.06/E/3	09 017	480 x 210 x 470 mm	440 x 460 x 200 mm	15,0 kg	1/4" iG	1/4" aG	12 m	DN 06	400 bar
9.20.06/E/3	09 018	520 x 210 x 500 mm	470 x 494 x 200 mm	19,0 kg	1/4" iG	1/4" aG	20 m	DN 06	400 bar
9.12.08-HD/E/3	09 021	480 x 210 x 470 mm	440 x 460 x 180 mm	16,0 kg	M22 x 1,5 aG	M22 x 1,5 iG	12 m	DN 08	220 bar
9.20.08-HD/E/3	09 022	520 x 210 x 500 mm	470 x 494 x 180 mm	20,0 kg	M22 x 1,5 aG	M22 x 1,5 iG	20 m	DN 08	220 bar
9.12.10/E/3	09 008	480 x 210 x 470 mm	440 x 460 x 180 mm	16,0 kg	1/2" aG	3/8" aG	12 m	DN 10	50 bar
9.20.10/E/3	09 009	520 x 210 x 500 mm	470 x 494 x 180 mm	20,0 kg	1/2" aG	3/8" aG	20 m	DN 10	50 bar
9.12.10-PU/E/3	09 134	480 x 210 x 470 mm	440 x 460 x 180 mm	16,0 kg	1/2" aG	3/8" aG	12 m	DN 10	20 bar
9.20.10-PU/E/3	09 135	520 x 210 x 500 mm	470 x 494 x 180 mm	20,0 kg	1/2" aG	3/8" aG	20 m	DN 10	20 bar
9.12.10-TE/E/3	09 146	480 x 210 x 470 mm	440 x 460 x 180 mm	16,0 kg	1/2" aG	3/8" aG	12 m	DN 10	20 bar
9.20.10-TE/E/3	09 147	520 x 210 x 500 mm	470 x 494 x 180 mm	20,0 kg	1/2" aG	3/8" aG	20 m	DN 10	20 bar
9.12.10-Flex/E/3	09 144	480 x 210 x 470 mm	440 x 460 x 180 mm	16,0 kg	1/2" aG	3/8" aG	12 m	DN 10	20 bar
9.20.10-Flex/E/3	09 145	520 x 210 x 500 mm	470 x 494 x 180 mm	20,0 kg	1/2" aG	3/8" aG	20 m	DN 10	20 bar
9.10.12/E/3	09 010	480 x 210 x 470 mm	440 x 460 x 180 mm	17,0 kg	1/2" aG	1/2" aG	10 m	DN 12	50 bar
9.15.12/E/3	09 011	520 x 210 x 500 mm	470 x 494 x 180 mm	21,0 kg	1/2" aG	1/2" aG	15 m	DN 12	50 bar

Technical information - Hose reels

Series 9/E (stainless steel) – (continuation)

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	hose length	Hose-Ø	Max. pressure
9.20.12/E/3	09 012	520 x 210 x 500 mm	470 x 494 x 180 mm	21,0 kg	1/2" aG	1/2" aG	20 m	DN 12	50 bar
9.10.12-PU/E/3	09 136	480 x 210 x 470 mm	440 x 460 x 180 mm	17,0 kg	1/2" aG	1/2" aG	10 m	DN 12	20 bar
9.20.12-PU/E/3	09 137	520 x 210 x 500 mm	470 x 494 x 180 mm	21,0 kg	1/2" aG	1/2" aG	20 m	DN 12	20 bar
9.10.12-TE/E/3	09 148	480 x 210 x 470 mm	440 x 460 x 180 mm	17,0 kg	1/2" aG	1/2" aG	10 m	DN 12	20 bar
9.20.12-TE/E/3	09 149	520 x 210 x 500 mm	470 x 494 x 180 mm	21,0 kg	1/2" aG	1/2" aG	20 m	DN 12	20 bar
9.08.12-D/E/3	09 057	480 x 210 x 470 mm	440 x 460 x 180 mm	16,0 kg	1/2" aG	1/2" aG	8 m	DN 12	10 bar
9.12.12-D/E/3	09 058	520 x 210 x 500 mm	470 x 494 x 180 mm	21,0 kg	1/2" aG	1/2" aG	12 m	DN 12	10 bar
9.10.12/E/3*	09 209	480 x 210 x 470 mm	440 x 460 x 180 mm	12,0 kg	1/2" aG	1/2" aG	10 m	DN 12	40 bar
9.15.12/E/3*	09 210	520 x 210 x 500 mm	470 x 494 x 180 mm	15,0 kg	1/2" aG	1/2" aG	15 m	DN 12	40 bar
9.10.16/E/3	09 014	520 x 210 x 500 mm	470 x 494 x 180 mm	23,0 kg	1/2" aG	3/4" aG	8 m	DN 20	50 bar
9.08.16-V/E/3	09 087	520 x 210 x 500 mm	470 x 494 x 180 mm	23,0 kg	3/4" aG	1/2" aG	8 m	DN 16	Vakuum
9.08.20-V/E/3	09 088	520 x 210 x 500 mm	470 x 494 x 180 mm	24,0 kg	3/4" aG	3/4" aG	8 m	DN 20	Vakuum
9.10.6/6/E/3	09 122	500 x 500 x 500 mm	440 x 460 x 265 mm	17,0 kg	1/4" aG, 3/8" aG li	1/4" iG 3/8" iG li	10 m	DN 06/06	20 bar
9.15.6/6/E/3	09 123	500 x 500 x 500 mm	470 x 495 x 265 mm	19,0 kg	1/4" aG, 3/8" aG li	1/4" iG 3/8" iG li	15 m	DN 06/06	20 bar
9.10.6/6-HY/E/3	09 103	500 x 500 x 500 mm	440 x 460 x 265 mm	17,0 kg	3/8" aG	3/8" iG	10 m	DN 06/06	200 bar
9.10.8/8-HY/E/3	09 104	500 x 500 x 500 mm	470 x 495 x 265 mm	19,0 kg	3/8" aG	3/8" iG	10 m	DN 08/08	200 bar
9.10.10/10-HY/E/3	09 105	500 x 500 x 500 mm	470 x 495 x 266 mm	20,0 kg	3/8" aG	3/8" iG	10 m	DN 10/10	200 bar
9.10.12-HY2/E/3	09 107	500 x 500 x 500 mm	470 x 494 x 360 mm	45,0 kg	1/2" aG 1/2" aG	1/2" iG 1/2" iG	10 m	DN 12/12	200 bar

Series 9-GS

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	hose length	Hose-Ø	Max. pressure
9.12.06-GS/2	09 051	560 x 560 x 200 mm	486 x 486 x 210 mm	22,0 kg	1/4" iG	1/4" aG	12 m	DN 06	400 bar
9.20.06-GS/2	09 052	560 x 560 x 200 mm	486 x 486 x 210 mm	26,0 kg	1/4" iG	1/4" aG	20 m	DN 06	400 bar
9.12.08-GS/HD/2	09 053	560 x 560 x 200 mm	486 x 486 x 205 mm	23,0 kg	M22 x 1,5 aG	M22 x 1,5 iG	12 m	DN 08	220 bar
9.20.08-GS/HD/2	09 054	560 x 560 x 200 mm	486 x 486 x 205 mm	27,0 kg	M22 x 1,5 aG	M22 x 1,5 iG	20 m	DN 08	220 bar
9.12.10-GS/2	09 045	560 x 560 x 200 mm	486 x 486 x 194 mm	23,0 kg	1/2" aG	3/8" aG	12 m	DN 10	50 bar
9.20.10-GS/2	09 046	560 x 560 x 200 mm	486 x 486 x 194 mm	27,0 kg	1/2" aG	3/8" aG	20 m	DN 10	50 bar
9.10.12-GS/2	09 047	560 x 560 x 200 mm	486 x 486 x 194 mm	24,0 kg	1/2" aG	1/2" aG	10 m	DN 12	50 bar
9.15.12-GS/2	09 048	560 x 560 x 200 mm	486 x 486 x 194 mm	28,0 kg	1/2" aG	1/2" aG	15 m	DN 12	50 bar
9.10.16-GS/2	09 050	560 x 560 x 200 mm	486 x 486 x 194 mm	24,0 kg	1/2" aG	3/4" aG	10 m	DN 16	50 bar
9.08.16-VGS/2	09 065	560 x 560 x 200 mm	486 x 486 x 194 mm	22,0 kg	3/4" aG	1/2" aG	8 m	DN 16	Vakuum
9.08.20-VGS/2	09 070	560 x 560 x 200 mm	486 x 486 x 194 mm	22,0 kg	3/4" aG	3/4" aG	8 m	DN 20	Vakuum

Series 9-GS/E (stainless steel)

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	hose length	Hose-Ø	Max. pressure
9.12.06-GS/E/1	09 120	560 x 560 x 200 mm	486 x 486 x 210 mm	22,0 kg	1/4" iG	1/4" aG	12 m	DN 06	400 bar
9.20.06-GS/E/1	09 121	560 x 560 x 200 mm	486 x 486 x 210 mm	26,0 kg	1/4" iG	1/4" aG	20 m	DN 06	400 bar
9.12.08-GS/HD/E/1	09 116	560 x 560 x 200 mm	486 x 486 x 205 mm	23,0 kg	M22 x 1,5 aG	M22 x 1,5 iG	12 m	DN 08	220 bar
9.20.08-GS/HD/E/1	09 117	560 x 560 x 200 mm	486 x 486 x 205 mm	27,0 kg	M22 x 1,5 aG	M22 x 1,5 iG	20 m	DN 08	220 bar
9.12.10-GS/E/1	09 108	560 x 560 x 200 mm	486 x 486 x 194 mm	23,0 kg	1/2" aG	3/8" aG	12 m	DN 10	50 bar
9.20.10-GS/E/1	09 109	560 x 560 x 200 mm	486 x 486 x 194 mm	27,0 kg	1/2" aG	3/8" aG	20 m	DN 10	50 bar
9.10.12-GS/E/1	09 110	560 x 560 x 200 mm	486 x 486 x 194 mm	24,0 kg	1/2" aG	1/2" aG	10 m	DN 12	50 bar
9.15.12-GS/E/1	09 111	560 x 560 x 200 mm	486 x 486 x 194 mm	28,0 kg	1/2" aG	1/2" aG	15 m	DN 12	50 bar
9.08.12-DGS/E/1	09 118	560 x 560 x 200 mm	486 x 486 x 194 mm	24,0 kg	1/2" aG	1/2" aG	8 m	DN 12	10 bar
9.12.12-DGS/E/1	09 119	560 x 560 x 200 mm	486 x 486 x 194 mm	26,0 kg	1/2" aG	1/2" aG	12 m	DN 12	10 bar
9.10.16-GS/E/1	09 113	560 x 560 x 200 mm	486 x 486 x 194 mm	24,0 kg	1/2" aG	3/4" aG	10 m	DN 16	50 bar
9.08.16-VGS/E/2	09 114	560 x 560 x 200 mm	486 x 486 x 194 mm	22,0 kg	3/4" aG	1/2" aG	8 m	DN 16	Vakuum
9.08.20-VGS/E/2	09 115	560 x 560 x 200 mm	486 x 486 x 194 mm	22,0 kg	3/4" aG	3/4" aG	8 m	DN 20	Vakuum

Series 9-154

Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	hose length	Hose-Ø	Max. pressure
9.25.12*	09 301	650 x 450 x 650 mm	610 x 615 x 360 mm	34,0 kg	1/2" aG	1/2" aG	25 m	DN 12	45 bar
9.25.12-HD*	09 307	650 x 450 x 650 mm	610 x 615 x 360 mm	34,0 kg	1/2" aG	1/2" aG	25 m	DN 12	250 bar
9.20.20*	09 302	650 x 450 x 650 mm	610 x 615 x 360 mm	34,0 kg	1" aG	3/4" aG	20 m	DN 20	45 bar
9.15.25*	09 303	650 x 450 x 650 mm	610 x 615 x 360 mm	34,0 kg	1" aG	1" aG	15 m	DN 25	45 bar

*Gewichtangaben ohne Schlauch

Series 9-154/E (stainless steel)

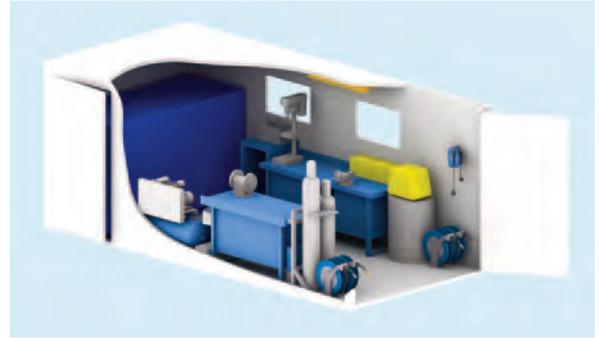
Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	hose length	Hose-Ø	Max. pressure
9.25.12/E*	09 304	650 x 450 x 650 mm	610 x 615 x 360 mm	34,0 kg	1/2" aG	1/2" aG	25 m	DN 12	45 bar
9.25.12/E-HD*	09 308	650 x 450 x 650 mm	610 x 615 x 360 mm	34,0 kg	1/2" aG	1/2" aG	25 m	DN 12	250 bar
9.15.20-D/E	09 361	650 x 450 x 650 mm	610 x 615 x 360 mm	34,0 kg	1" aG	3/4" aG	15 m	DN 20	10 bar
9.20.20/E*	09 305	650 x 450 x 650 mm	610 x 615 x 360 mm	34,0 kg	1" aG	3/4" aG	20 m	DN 20	45 bar
9.10.25-D/E	09 362	650 x 450 x 650 mm	610 x 615 x 360 mm	34,0 kg	1" aG	1" aG	10 m	DN 25	10 bar
9.15.25/E*	09 306	650 x 450 x 650 mm	610 x 615 x 360 mm	34,0 kg	1" aG	1" aG	15 m	DN 25	45 bar

*Gewichtangaben ohne Schlauch

Technical information - Signalling Retractors

Series 1 + 3

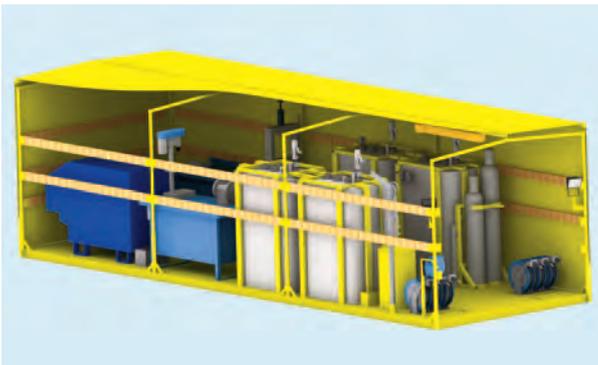
Model	part no.	package measure	construc. dimensions	weight	connection 1	connection 2	length	Hose-Ø	Max. pressure
1.20.BA-R	01 080	300 x 295 x 155 mm	310 x 290 x 145 mm	2,5 kg	-	-	20 m, rot/weiß	Bänderole	-
1.20.BA-G	01 082	300 x 295 x 155 mm	310 x 290 x 145 mm	2,5 kg	-	-	20 m, gelb/schwarz	Bänderole	-
3.20.GK-R	03 080	400 x 340 x 170 mm	380 x 375 x 155 mm	9,0 kg	-	-	20 m, rot/weiß	Gliederkette	-
3.20.GK-G	03 081	400 x 340 x 170 mm	380 x 375 x 155 mm	9,0 kg	-	-	20 m, gelb/schwarz	Gliederkette	-



Since 1948 **RAPID special truck bodies**, service platforms or -containers have been used on large building sites nearly all over the world.

Wherever large machines have to be maintained on location RAPID service stations are the solution for fast and efficient handling.

This way of maintenance guarantees the optimal use of the customer's working machines.





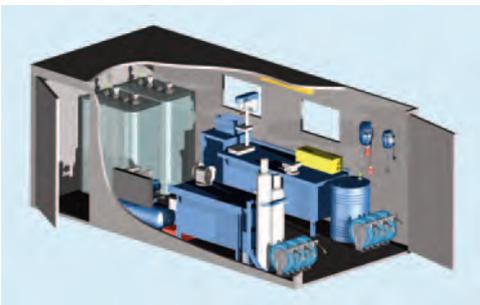
Up until today **RAPID special truck bodies** stands for high quality craftsmanship in the field of truck constructors.

The severe German regulations of StVo in accordance with GGVS are considered as well.

In addition we offer you to take care of the road traffic concession in Germany.

We count all German truck constructors as well as numerous international building companies to our customers.

We are looking forward to your inquiry!





Since 1948 RAPID has been the term for central oil, grease and pneumatic air conveying systems either approved or not approved as well as for waste oil disposal.

These conveying units, each individually planned to meet the customer's request enable exact and fast supply of the needed fluids guarantee a fast and smooth working performance.





RAPID-Plant construction is an officially authorised factory according to § 19 I WHG and therefore entitled to assemble units for water polluting and flammable fluids. The regulation of VAWS are also regarded. We handle for you the TÜV-licence of our conveying system.

It would be our pleasure to make our quotation for your oil, grease and pneumatic air conveying units as well as for your waste oil disposal.

So, do not hesitate - take our long lasting experience to your advantage and enjoy the service of a customer-oriented company that can provide tailor-made solutions for any of today's complex problems.

We call the use of our products a "Must" for innovative companies.

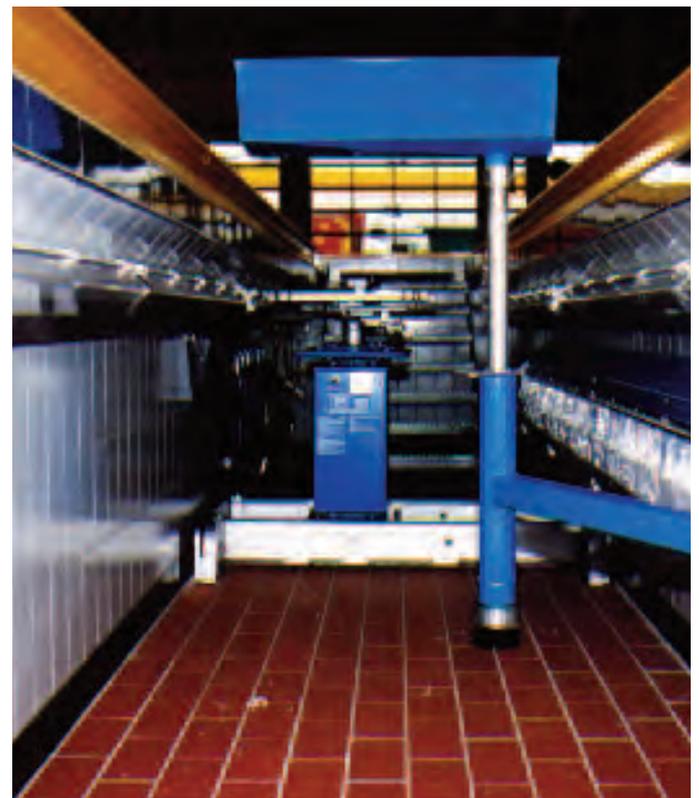




Rapid - Plant construction is the inspiration for your individual plant from the beginning until the end of the installation.

At the beginning of the cooperation stands the selection of the right pumps, the diameter of the pipe lines and the nozzels regarding the needed output.

The supervising of electronically controlled conveying systems is part of our production range as well. Thus enables you to verify each time what, and how much has been taken when and by whom.



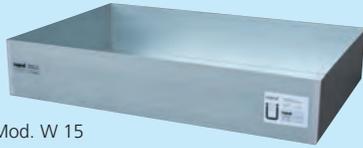


RAPID-Plant construction designs according to your conceptions and wishes your individual conveying system by using modern CAD technology and years of experience.

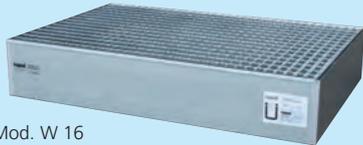
That gives us the opportunity to show you different possibilities, so you can choose the one, which is best for your purposes.



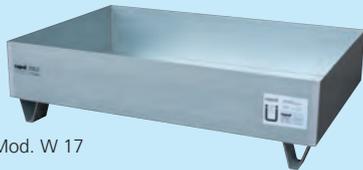
RAPID-drain pans are type examination tested according to the quality mark, TÜV-Hessen, WS-Ü 12/12-01 building code A part 1, consecutive no.: 15.22



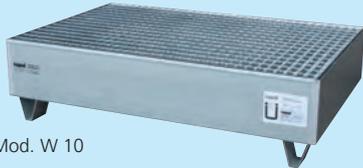
Mod. W 15



Mod. W 16



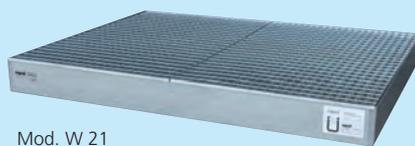
Mod. W 17



Mod. W 10



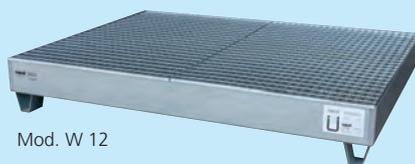
Mod. W 20



Mod. W 21



Mod. W 22



Mod. W 12

Application examples:
Regarding the allowed total volume of media stored in drain pan kindly refer for detailed to national and local rules and regulations.

Drain pan

Drain pans are especially designed for the use in areas of water pollution control and pollution prevention. They are licensed by the regulations of the German Federal Office of technical Physics and are suitable for oil barrels and other containers, which store water hazardous liquids.

Model W 15

- Drain pan without grid and feet, galvanised
- Capacity of pan 210 ltr.
- Max. load 500 kg, weight approx. 43 kg
- Dim. approx. 800 x 1200 x 225 mm (L x W x H)



Model W 16

- Drain pan with grid and without feet, galvanised
- Capacity of pan 210 ltr.
- Max. load 500 kg, weight approx. 58 kg
- Dim. approx. 800 x 1200 x 225 mm (L x W x H)



Model W 17

- Drain pan without grid but with feet, galvanised
- Capacity of pan 210 ltr.
- Max. load 500 kg, weight approx. 45 kg
- Dim. approx. 800 x 1200 x 325 mm (L x W x H)



Model W 10

- Drain pan with grid and feet, galvanised
- Capacity of pan 210 ltr.
- Max. load 500 kg, weight approx. 60 kg
- Dim. approx. 800 x 1200 x 325 mm (L x W x H)



Plus transport charges for Mod. W (800 mm length)

Model W 20

- Drain pan without grid and feet, galvanised
- Capacity of pan 260 ltr.
- Max. load 1000 kg, weight approx. 64 kg
- Dim. approx. 1200 x 1600 x 140 mm (L x W x H)



Model W 21

- Drain pan with grid but without feet, galvanised
- Capacity of pan 260 ltr.
- Max. load 1000 kg, weight approx. 104 kg
- Dim. approx. 1200 x 1600 x 140 mm (L x W x H)



Model W 22

- Drain pan without grid but with feet, galvanised
- Capacity of pan 260 ltr.
- Max. load 1000 kg, weight approx. 79 kg
- Dim. approx. 1200 x 1600 x 240 mm (L x W x H)



Model W 12

- Drain pan with grid and feet, galvanised
- Capacity of pan 260 ltr.
- Max. load 1000 kg, weight approx. 109 kg
- Dim. approx. 1200 x 1600 x 240 mm (L x W x H)



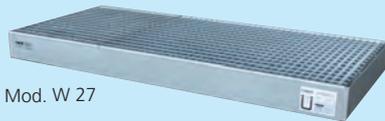
Plus transport charges for Mod. W (1200 mm length)

part no.	price EUR
25 023	333,41
25 024	393,16
25 025	369,26
25 001	429,01
	Request
25 026	405,11
25 027	524,61
25 028	440,96
25 003	560,46
	Request

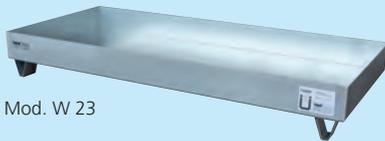
RAPID-drain pans are type examination tested according to the quality mark, TÜV-Hessen, WS-Ü 12/12-01 building code A part 1, consecutive no.: 15.22



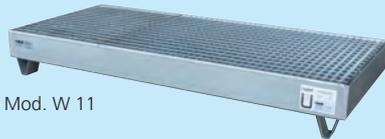
Mod. W 24



Mod. W 27



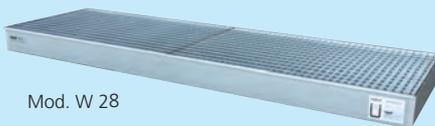
Mod. W 23



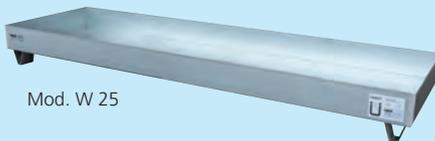
Mod. W 11



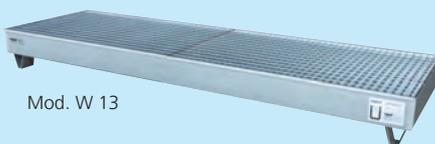
Mod. W 26



Mod. W 28



Mod. W 25



Mod. W 13

Application examples:

Regarding the allowed total volume of media stored in drain pan kindly refer for detailed to national and local rules and regulations.

Drain Pan

Drain pans are especially designed for the use in areas of water pollution control and pollution prevention. They are licensed by the regulations of the German Federal Office of technical Physics and are suitable for oil barrels and other containers, which store water hazardous liquids.

Modell W 24

Drain pan without grid and feet, galvanised for max. three 200 ltr.-barrels



- Capacity of pan 210 ltr.
- Max. load 800 kg, weight approx. 52 kg
- Dim. approx. 1800 x 800 x 150 mm (L x W x H)

Modell W 27

Drain pan with grid and without feet, galvanised for max. three 200 ltr.-barrels



- Capacity of pan 210 ltr.
- Max. load 800 kg, weight approx. 75 kg
- Dim. approx. 1800 x 800 x 150 mm (L x W x H)

Modell W 23

Drain pan without grid and with feet, galvanised for max. three 200 ltr.-barrels



- Capacity of pan 210 ltr.
- Max. load 800 kg, weight approx. 55 kg
- Dim. approx. 1800 x 800 x 250 mm (L x W x H)

Modell W 11

Drain pan with grid and feet, galvanised for max. three 200 ltr.-barrels



- Capacity of pan 210 ltr.
- Max. load 800 kg, weight approx. 78 kg
- Dim. approx. 1800 x 800 x 250 mm (L x W x H)

Plus transport charges for Mod. W (1800 mm length)

Modell W 26

Drain pan without grid and feet, galvanised for max. four 200 ltr.-barrels



- Capacity of pan 240 ltr.
- Max. load 1000 kg, weight approx. 62 kg
- Dim. approx. 2400 x 800 x 120 mm (L x W x H)

Modell W 28

Drain pan with grid and without feet, galvanised for max. four 200 ltr.-barrels



- Capacity of pan 240 ltr.
- Max. load 1000 kg, weight approx. 95 kg
- Dim. approx. 2400 x 800 x 120 mm (L x W x H)

Modell W 25

Drain pan without grid and with feet, galvanised for max. four 200 ltr.-barrels



- Capacity of pan 240 ltr.
- Max. load 1000 kg, weight approx. 65 kg
- Dim. approx. 2400 x 800 x 220 mm (L x W x H)

Modell W 13

Drain pan with grid and feet, galvanised for max. four 200 ltr.-barrels



- Capacity of pan 240 ltr.
- Max. load 1000 kg, weight approx. 98 kg
- Dim. approx. 2400 x 800 x 220 mm (L x W x H)

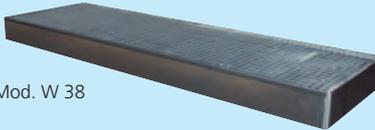
Plus transport charges for Mod. W (2400 mm length)

part no.	price EUR
25 030	405,11
25 033	524,61
25 029	440,96
25 006	560,46
	Request
25 032	429,01
25 034	548,51
25 031	476,81
25 007	596,31
	Request

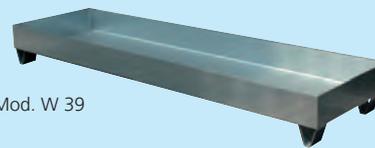
RAPID-drain pans are type examination tested according to the quality mark, TÜV-Hessen, WS-Ü 12/12-01 building code A part 1, consecutive no.: 15.22



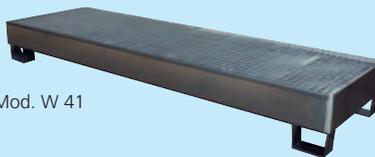
Mod. W 37



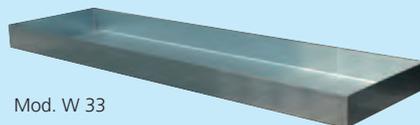
Mod. W 38



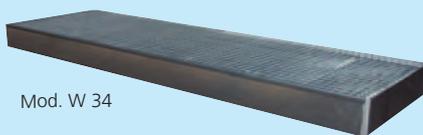
Mod. W 39



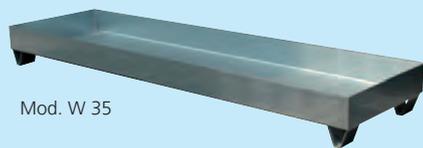
Mod. W 41



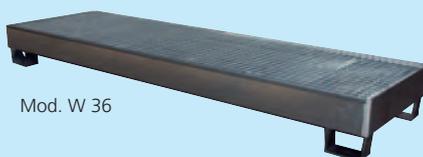
Mod. W 33



Mod. W 34



Mod. W 35



Mod. W 36

Application examples:

Regarding the allowed total volume of media stored in drain pan kindly refer for detailed to national and local rules and regulations.

Drain pans for storage facility

Drain pans are especially designed for the use in areas of water pollution control and pollution prevention. They are licensed by the regulations of the German Federal Office of technical Physics and are suitable for oil barrels and other containers, which store water hazardous liquids.

Model W 37

- Drain pan without grid and feet, galvanised
- Capacity of pan 390 ltr.
- Max. load 1000 kg, weight approx. 75 kg
- Dim. approx. 1775 x 1100 x 200 mm (L x W x H)

Model W 38

- Drain pan with grid and without feet, galvanised
- Capacity of pan 390 ltr.
- Max. load 1000 kg, weight approx. 115 kg
- Dim. approx. 1775 x 1100 x 200 mm (L x W x H)

Model W 39

- Drain pan without grid but with feet, galvanised
- Capacity of pan 390 ltr.
- Max. load 1000 kg, weight approx. 80 kg
- Dim. approx. 1775 x 1100 x 300 mm (L x W x H)

Model W 41

- Drain pan with grid and feet, galvanised
- Capacity of pan 390 ltr.
- Max. load 1000 kg, weight approx. 120 kg
- Dim. approx. 1775 x 1100 x 300 mm (L x W x H)

Plus transport charges for Mod. W (1775 mm length)

Model W 33

- Drain pan without grid and feet, galvanised
- Capacity of pan 500 ltr.
- Max. load 1000 kg, weight approx. 105 kg
- Dim. approx. 2650 x 1200 x 150 mm (L x W x H)

Model W 34

- Drain pan with grid and without feet, galvanised
- Capacity of pan 500 ltr.
- Max. load 1000 kg, weight approx. 165 kg
- Dim. approx. 2650 x 1200 x 150 mm (L x W x H)

Model W 35

- Drain pan without grid but with feet, galvanised
- Capacity of pan 500 ltr.
- Max. load 1000 kg, weight approx. 105 kg
- Dim. approx. 2650 x 1200 x 250 mm (L x W x H)

Model W 36

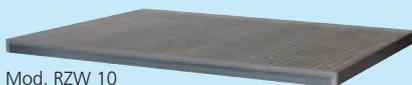
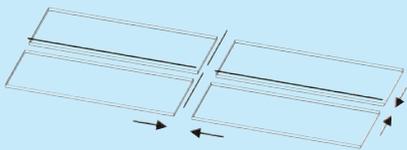
- Drain pan with grid and feet, galvanised
- Capacity of pan 500 ltr.
- Max. load 1000 kg, weight approx. 170 kg
- Dim. approx. 2650 x 1200 x 250 mm (L x W x H)

Plus transport charges for Mod. W (2650 mm length)

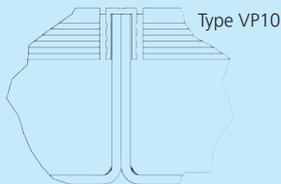
part no.	price EUR
25 043	620,21
25 044	775,56
25 045	679,96
25 046	835,31
	Request
25 039	763,61
25 040	918,96
25 041	823,36
25 042	978,71
	Request



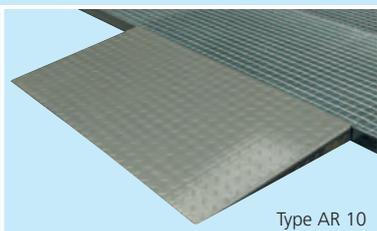
RAPID-drain pans are type examination tested according to the quality mark, TÜV-Hessen, WS-Ü 12/12-01 building code A part 1, consecutive no.: 15.22



Mod. RZW 10



Type VP10



Type AR 10

Idle State Pan

Collecting pan with grid and without feet, galvanized. For all mobile oil- and grease dispenser machines in idle state, in order to comply with regulations according to Water Resources Act (WHG).

Model RZW 10

Ideal for the storage of ÖAM models in idle state capacity of trough 230 ltr.

- Capacity of pan 230 ltr.
- Weight approx. 230 kg
- Load max. 2t wheel pressure on load area 200 x 200 mm
- Dim. approx. 2840 x 1340 x 82 mm (L x W x H)

Carrying charges for model RZW not included

Accessories

Steel channel for RZW 10 type VP10Q

- For linking drain pans crosswise (L= 1390 mm)
- Steel sheet zinc coated

Steel channel for RZW 10 type VP10L

- For linking drain pans lengthwise (L= 2890 mm)
- Steel sheet, zinc coated

Ramp for RZW 10 type AR10

- Steel sheet zinc coated
- Load 250 kg
- Dim. approx. 990 x 600 x 80 mm (L x W x H)
- Weight approx. 19 kg

part no. price EUR

25 053 1.541,55

Request

25 505 34,66

25 506 58,56

25 507 417,06

RAPID-drain pans are type examination tested according to the quality mark, TÜV-Hessen, WS-Ü 12/12-01 building code A part 1, consecutive no.: 1522



Mod. W 01



Mod. W 02



Mod. W 03



Mod. WF 15



Mod. WF 16

Application examples:

Regarding the allowed total volume of media stored in drain pan kindly refer for detailed to national and local rules and regulations.

Drain pans

Drain pans are especially designed for the use in areas of water pollution control and pollution prevention. They are licensed by the regulations of the German Federal Office of technical Physics and are suitable for oil barrels and other containers, which store water hazardous liquids.

Model W 01

Drain pan without grid but with feet, galvanised
Ideal for small casks like canisters, cans etc.

- Capacity of pan 68 ltr.
- Weight approx. 23 kg
- Dim. approx. 855 x 540 x 204 mm (L x W x H)

Model W 02

Drain pan without grid but with feet, galvanised
Ideal for small casks like canisters, cans etc.

- Capacity of pan 79 ltr.
- Weight approx. 28 kg
- Dim. approx. 920 x 865 x 154 mm (L x W x H)

Model W 03

Drain pan without grid but with feet, galvanised
Ideal for small casks like canisters, cans etc.

- Capacity of pan 100 ltr.
- Weight approx. 34 kg
- Dim. approx. 1235 x 810 x 154 mm (L x W x H)

Plus transport charges for Mod. W 01 - W 03

Drip pan, movable

Drip pan especially designed for in-plant transport of 200 ltr-drum. Meet all requirements of the Water Resource Act (WHG). Easily movable thanks to 2 castors and handle bar with drum locking.

Model WF 15

Movable drain pan without grid, galvanized

- Capacity of pan 210 ltr.
- 4 wheels made of polyamide, thereof 2 castors
- Handle bar with drum locking
- Max. load 500 kg, weight approx. 52 kg
- Dim. approx. 800 x 1250 x 385 mm (L x W x H)

Model WF 16

Movable drain pan with grid, galvanized

- Wannenvolumen 210 Ltr.
- 4 wheels made of polyamide, thereof 2 castors
- Handle bar with drum locking
- Max. load 500 kg, weight approx. 68 kg
- Dim. approx. 800 x 1250 x 385 mm (L x W x H)

Plus transport charges for Mod. WF

part no.	price EUR
25 047	273,66
25 048	285,61
25 049	297,56
	Request
25 055	835,31
25 056	895,06
	Request



Barrel Handling Devices

Hoisting Crane For Barrel Model FHK 200

- Hoisting crane for easy handling of barrels.
Easy moving by big hydraulic cylinder.
Extendable load arm, twice adjustable.
- Load capacity 450 or 900 kg – depending on extension of load arm
 - Mounting bracket approx. 270 x 270 mm, with 8 x 16 mm drill holes.
 - Dim. in hinged position: approx. 500 x 270 x 1400 mm (LxWxH)
 - Weight approx. 46 kg
 - Incl. barrel plier model FZ 200

Jack lift Modell HW 200/1

- Jack lift to transport and to lift barrels, height of lift max. 500 mm, fits without problems on drain pans with feet.
- For barrels up to 210 ltr.
 - 2 steering rollers and rollers each
 - Hydraulic lift cylinder with foot pump

Barrel cart Model FK 200

- For effortless installation and removal of full 200 ltr. barrels on drain pans by just one Person.
- Max. lift height 3565 mm
 - For 50 – 200 ltr. barrels

Barrel cart Model FK 200

- Barrel cart for the transport of 200 ltr.-barrels

Plus transport charges for barrel handling devices

Accessories for barrels

Gripper for barrel model FZ 200

- Gripper for standing 200 ltr.-barrel, lifting bracket

Level indicator model FA 200

- Liquid level indicator for 200 ltr.-barrel, G 3/8"

Barrel key model FS 200

- Barrel key for 60-200 ltr.-barrels



Taper wedge model FK 10

- Taper wedge made of steel sheet for sloping 200 ltr barrels for better and easier emptying, height 100 mm

part no. price EUR

25 147 1.069,53

25 117 1.492,56

25 118 1.193,81

25 100 596,31

Request

25 101 357,31

27 145 58,56

25 102 58,56

25 124 34,66



Filling places, barrel racks

For the environmentally friendly storage of original casks with water endangering fluids such as engine oil, gearbox oil, hydraulic oil and others. Integrated into the barrel racks are drain pans, which are up to building code of TÜV-Hessen and are suitable for the storage of water hazardous fluids.

Model AFP 650/1-K

100 kg per level

- For 4 x 20 ltr. canisters
- Drain pan W 01, 68 ltr. volume
- Dim. approx. 650 x 816 x 1140 mm (L x W x H)



Model AFP 650/2-K

100 kg per level

- For 6 x 20 ltr. canisters
- Drain pan W 01, 68 ltr. volume
- Dim. approx. 650 x 816 x 2000 mm (L x W x H)



Model AFP 1050/1-K

150 kg per level

- For 4 x 20 ltr. canisters and 1 gridded shelf
- Drain pan W 02, 79 ltr. volume
- Dim. approx. 1050 x 816 x 1140 mm (L x W x H)



Model AFP 1050/2-K

150 kg per level

- For 8 x 20 ltr. canisters
- Drain pan W 02, 79 ltr. volume
- Dim. approx. 1050 x 816 x 1140 mm (L x W x H)



Model AFP 1050/3-K

150 kg per level

- For 8 x 20 ltr. canisters and 1 gridded shelf
- Drain pan W 02, 79 ltr. volume
- Dim. approx. 1050 x 816 x 2000 mm (L x W x H)



Model AFP 1350/1-K

200 kg per level

- For 10 x 20 ltr. canisters
- Drain pan W 03, 100 ltr. volume
- Dim. approx. 1350 x 816 x 1140 mm (L x W x H)



Model AFP 1350/2-K

200 kg per level

- For 5 x 20 ltr. canisters and 1 gridded shelf
- Drain pan W 03, 100 ltr. volume
- Dim. approx. 1350 x 816 x 1140 mm (L x W x H)



Model AFP 1350/3-K

200 kg per level

- For 5 x 20 ltr. canisters and 2 gridded shelf
- Drain pan W 03, 79 ltr. volume
- Dim. approx. 1350 x 816 x 2000 mm (L x W x H)



Model AFP 1350/4-K

200 kg per level

- For 10 x 20 ltr. canisters and 1 gridded shelf
- Drain pan W 03, 100 ltr. volume
- Dim. approx. 1350 x 816 x 2000 mm (L x W x H)



Plus transport charges for Mod. AFP 650, 1050, 1350

Request

Accessories

Carrier for cans type KT

- Dim. approx. 350 x 300 x 20 mm (L x W x H)

25 103

58,56

Barrel racks (W=650 mm) type FA 650

25 128

166,11

Barrel racks (W=1050 mm) type FA 1050

25 106

190,01

Barrel racks (W=1350 mm) type FA 1350

25 107

213,91

Canister racks (W=650 mm) type KA 650

25 157

22,71

Canister racks (W=1050 mm) type KA 1050

25 158

46,61

Canister racks (W=1350 mm) type KA 1350

25 159

70,51

NEW



Mod. EFP 650/1-K



Mod. EFP 1050/2-K



Mod. EFP 1350/1-K

Attention!

The racks shown on this page are extension racks. For use you need the basic rack.



Type AH 55



Type AH 60

Filling places, barrel racks

For the environmentally friendly storage of original casks with water endangering fluids such as engine oil, gearbox oil, hydraulic oil and others. Integrated into the barrel racks are drain pans, which are up to building code of TÜV-Hessen and are suitable for the storage of water hazardous fluids.

Model EFP 650/1-K 100 kg per level

- For 4 x 20 ltr. canisters
- Drain pan W 01, 68 ltr. volume
- Dim. approx. 650 x 816 x 1140 mm (L x W x H)



Model EFP 650/2-K 100 kg per level

- For 6 x 20 ltr. canisters
- Drain pan W 01, 68 ltr. volume
- Dim. approx. 650 x 816 x 2000 mm (L x W x H)



Model EFP 1050/1-K 150 kg per level

- For 4 x 20 ltr. canisters and 1 gridded shelf
- Drain pan W 02, 79 ltr. volume
- Dim. approx. 1050 x 816 x 1140 mm (L x W x H)



Model EFP 1050/2-K 150 kg per level

- For 8 x 20 ltr. canisters
- Drain pan W 02, 79 ltr. volume
- Dim. approx. 1050 x 816 x 1140 mm (L x W x H)



Model EFP 1050/3-K 150 kg per level

- For 8 x 20 ltr. canisters and 1 gridded shelf
- Drain pan W 02, 79 ltr. volume
- Dim. approx. 1050 x 816 x 2000 mm (L x W x H)



Model EFP 1350/1-K 200 kg per level

- For 10 x 20 ltr. canisters
- Drain pan W 03, 100 ltr. volume
- Dim. approx. 1350 x 816 x 1140 mm (L x W x H)



Model EFP 1350/2-K 200 kg per level

- For 5 x 20 ltr. canisters and 1 gridded shelf
- Drain pan W 03, 100 ltr. volume
- Dim. approx. 1350 x 816 x 1140 mm (L x W x H)



Model EFP 1350/3-K 200 kg per level

- For 5 x 20 ltr. canisters and 2 gridded shelf
- Drain pan W 03, 79 ltr. volume
- Dim. approx. 1350 x 816 x 2000 mm (L x W x H)



Model EFP 1350/4-K 200 kg per level

- For 10 x 20 ltr. canisters and 1 gridded shelf
- Drain pan W 03, 100 ltr. volume
- Dim. approx. 1350 x 816 x 2000 mm (L x W x H)



Plus transport charges for Mod. AFP 650, 1050, 1350

Request

Accessories

Carrier for cans type KT

- Dim. approx. 350 x 300 x 20 mm (L x W x H)

25 103 58,56

Gridded shelf (W=650 mm) type GA 650

25 121 130,26

Gridded shelf (W=1050 mm) type GA 1050

25 104 154,16

Gridded shelf (W=1350 mm) type GA 1350

25 105 178,06

Drain cock for canisters type AH 55

- For canister-threads 55 mm

25 119 27,37

Drain cock for canisters type AH 60

- For canister-threads 60 mm

25 120 29,76



Mod. AFP 650/1



Mod. AFP 1050/2



Mod. AFP 1350/2



Mod. AFP 1350/1

Filling places, barrel racks

For the environmentally friendly storage of original casks with water endangering fluids such as engine oil, gearbox oil, hydraulic oil and others. Integrated into the barrel racks are drain pans, which are up to building code of TÜV-Hessen and are suitable for the storage of water hazardous fluids.

Model AFP 650/1 100 kg per level

- For 2 x 60 ltr.-barrels
- Drain pan W 01, 68 ltr. volume
- Dim. approx. 650 x 816 x 1140 mm (L x W x H)



Model AFP 650/2 100 kg per level

- For 3 x 60 ltr.-barrels
- Drain pan W 01, 68 ltr. volume
- Dim. approx. 650 x 816 x 2000 mm (L x W x H)



Model AFP 1050/1 150 kg per level

- For 2 x 60 ltr.-barrels and 1 gridded shelf
- Drain pan W 02, 79 ltr. volume
- Dim. approx. 1050 x 816 x 1140 mm (L x W x H)



Model AFP 1050/2 150 kg per level

- For 4 x 60 barrels
- Drain pan W 02, 79 ltr. volume
- Dim. approx. 1050 x 816 x 1140 mm (L x W x H)



Model AFP 1050/3 150 kg per level

- For 4 x 60 ltr.-barrels and 1 gridded shelf
- Drain pan W 02, 79 ltr. volume
- Dim. approx. 1050 x 816 x 2000 mm (L x W x H)



Model AFP 1350/1 200 kg per level

- For 6 x 60 ltr.-barrels
- Drain pan W 03, 100 ltr. volume
- Dim. approx. 1350 x 816 x 1140 mm (L x W x H)



Model AFP 1350/2 200 kg per level

- For 3 x 60 ltr.-barrels and 1 gridded shelf
- Drain pan W 03, 100 ltr. volume
- Dim. approx. 1350 x 816 x 1140 mm (L x W x H)



Model AFP 1350/3 200 kg per level

- For 3 x 60 ltr.-barrels and 2 gridded shelves
- Drain pan W 03, 100 ltr. volume
- Dim. approx. 1350 x 816 x 2000 mm (L x W x H)



Model AFP 1350/4 200 kg per level

- For 6 x 60 ltr.-barrels and 1 gridded shelf
- Drain pan W 03, 100 ltr. volume
- Dim. approx. 1350 x 816 x 2000 mm (L x W x H)



Carrying charges for AFP 650, 1050, 1350 units not included

Request

Accessories

Carrier for cans type KT

- Dim. approx. 350 x 300 x 20 mm (L x W x H)

25 103 58,56

Gridded shelf (W=650 mm) type GA 650

25 121 130,26

Gridded shelf (W=1050 mm) type GA 1050

25 104 154,16

Gridded shelf (W=1350 mm) type GA 1350

25 105 178,06

Barrel racks (W=650 mm) type FA 650

25 128 166,11

Barrel racks (W=1050 mm) type FA 1050

25 106 190,01

Barrel racks (W=1350 mm) type FA 1350

25 107 213,91

NEW



Mod. EFP 650/1



Mod. EFP 1050/2



Mod. EFP 1350/2



Mod. EFP 1350/1

Type KT/1

Filling places, barrel racks

For the environmentally friendly storage of original casks with water endangering fluids such as engine oil, gearbox oil, hydraulic oil and others. Integrated into the barrel racks are drain pans, which are up to building code of TÜV-Hessen and are suitable for the storage of water hazardous fluids.

Model EFP 650/1 100 kg per level

- For 2 x 60 ltr.-barrels
- Drain pan W 01, 68 ltr. volume
- Dim. approx. 650 x 800 x 1140 mm (L x W x H)



Model EFP 650/2 100 kg per level

- For 3 x 60 ltr.-barrels
- Drain pan W 01, 68 ltr. volume
- Dim. approx. 650 x 800 x 2000 mm (L x W x H)



Model EFP 1050/1 150 kg per level

- For 2 x 60 ltr.-barrels and 1 gridded shelf
- Drain pan W 02, 79 ltr. volume
- Dim. approx. 1050 x 800 x 1140 mm (L x W x H)



Model EFP 1050/2 150 kg per level

- For 4 x 60 barrels
- Drain pan W 02, 79 ltr. volume
- Dim. approx. 1050 x 800 x 1140 mm (L x W x H)



Model EFP 1050/3 150 kg per level

- For 4 x 60 ltr.-barrels and 1 gridded shelf
- Drain pan W 02, 79 ltr. volume
- Dim. approx. 1050 x 800 x 2000 mm (L x W x H)



Model EFP 1350/1 200 kg per level

- For 6 x 60 ltr.-barrels
- Drain pan W 03, 100 ltr. volume
- Dim. approx. 1350 x 800 x 1140 mm (L x W x H)



Model EFP 1350/2 200 kg per level

- For 3 x 60 ltr.-barrels and 1 gridded shelf
- Drain pan W 03, 100 ltr. volume
- Dim. approx. 1350 x 800 x 1140 mm (L x W x H)



Model EFP 1350/3 200 kg per level

- For 3 x 60 ltr.-barrels and 2 gridded shelves
- Drain pan W 03, 100 ltr. volume
- Dim. approx. 1350 x 800 x 2000 mm (L x W x H)



Model EFP 1350/4 200 kg per level

- For 6 x 60 ltr.-barrels and 1 gridded shelf
- Drain pan W 03, 100 ltr. volume
- Dim. approx. 1350 x 800 x 2000 mm (L x W x H)



Carrying charges for EFP 650, 1050, 1350 units not included

Request

Accessories

Carrier for cans type KT

- Dim. approx. 350 x 300 x 20 mm (L x W x H)

25 103 58,56

Gridded shelf (W=650 mm) type GA 650

25 121 130,26

Gridded shelf (W=1050 mm) type GA 1050

25 104 154,16

Gridded shelf (W=1350 mm) type GA 1350

25 105 178,06

Barrel racks (W=650 mm) type FA 650

25 128 166,11

Barrel racks (W=1050 mm) type FA 1050

25 106 190,01

Barrel racks (W=1350 mm) type FA 1350

25 107 213,91



Filling places, barrel racks

For the environmentally friendly storage of original casks with water endangering fluids such as engine oil, gearbox oil, hydraulic oil and others. Integrated into the barrel racks are drain pans, which are up to building code of TÜV-Hessen and are suitable for the storage of water hazardous fluids.

Model	Capacity	Icon
Model AFP 915/2	300 kg per Level	
<ul style="list-style-type: none"> For 2 x 60 ltr. Barrel and 2 wooden shelves 60 ltr. Collection volume Dim. approx. 915 x 610 x 1860 mm (L x W x H) 		
Model AFP 915/4	300 kg per Level	
<ul style="list-style-type: none"> For 4 x 60 ltr. Barrel and 2 wooden shelves 60 ltr. Collection volume Dim. approx. 915 x 610 x 1860 mm (L x W x H) 		
Model AFP 915/6	300 kg per Level	
<ul style="list-style-type: none"> For 6 x 60 ltr. Barrel and 2 wooden shelves 60 ltr. Collection volume Dim. approx. 915 x 610 x 1860 mm (L x W x H) 		

Extension For Filling Places

Model	Capacity	Icon
Model EFP 915/2	300 kg per Level	
<ul style="list-style-type: none"> For 2 x 60 ltr. Barrel and 2 wooden shelves 60 ltr. Collection volume Dim. approx. 915 x 600 x 1860 mm (L x W x H) 		
Model EFP 915/4	300 kg per Level	
<ul style="list-style-type: none"> For 4 x 60 ltr. Barrel and 2 wooden shelves 60 ltr. Collection volume Dim. approx. 915 x 600 x 1860 mm (L x W x H) 		
Model EFP 915/6	300 kg per Level	
<ul style="list-style-type: none"> For 6 x 60 ltr. Barrel and 2 wooden shelves 60 ltr. Collection volume Dim. approx. 915 x 600 x 1860 mm (L x W x H) 		

Carrying charges for AFP/EFP 915 units not included

Model	Capacity	Icon
Model AFP 1950/4	400 kg per Level	
<ul style="list-style-type: none"> For 4 x 60 ltr. barrels and 3 grid shelves 230 ltr. Collection volume Dim. approx. 1950 x 600 x 1820 m (L x W x H) 		
Model AFP 1950/8	400 kg per Level	
<ul style="list-style-type: none"> For 8 x 60 ltr. barrels and 3 grid shelves 230 ltr. Collection volume Dim. approx. 1950 x 600 x 1820 m (L x W x H) 		
Model AFP 1950/12	400 kg per Level	
<ul style="list-style-type: none"> For 12 x 60 ltr. barrels and 3 grid shelves 230 ltr. Collection volume Dim. approx. 1950 x 600 x 1820 m (L x W x H) 		

Extension For Filling Places

Model	Capacity	Icon
Model EFP 1950/4	400 kg per Level	
<ul style="list-style-type: none"> For 4 x 60 ltr. barrels and 3 grid shelves 230 ltr. Collection volume Dim. approx. 1950 x 600 x 1820 m (L x W x H) 		
Model EFP 1950/8	400 kg per Level	
<ul style="list-style-type: none"> For 8 x 60 ltr. barrels and 3 grid shelves 230 ltr. Collection volume Dim. approx. 1950 x 600 x 1820 m (L x W x H) 		
Model EFP 1950/12	400 kg per Level	
<ul style="list-style-type: none"> For 12 x 60 ltr. barrels and 3 grid shelves 230 ltr. Collection volume Dim. approx. 1950 x 600 x 1820 m (L x W x H) 		

Carrying charges for AFP/EFP 1950 units not included

part no.	price EUR
25 066	727,76
25 067	763,61
25 068	775,56
25 093	644,11
25 094	668,01
25 095	691,91
	Request
25 069	1.062,36
25 070	1.134,06
25 071	1.193,81
25 096	966,76
25 097	1.038,46
25 098	1.098,21
	Request



Filling places, barrel racks, barrel rack stands

For the environmentally friendly storage of original casks with water endangering fluids such as engine oil, gearbox oil, hydraulic oil and others. Integrated into the barrel racks are drain pans, which are up to building code of TÜV-Hessen and are suitable for the storage of water hazardous fluids.

Model FB 1 (without illustr.)

- Barrel stand for 60 ltr.- or 200 ltr.-barrels
- Dim. approx. 600 x 600 x 380 mm (L x W x H)

Model FB 2

- Barrel stand for 2 x 60 ltr.- or 200 ltr.-barrels
- Dim. approx. 1180 x 600 x 380 mm (L x W x H)

Model FB 3 (without illustr.)

- Barrel stand for 3 x 60 ltr.-barrels
- Dim. approx. 1180 x 600 x 380 mm (L x W x H)

Model AFP 1620/1 500 kg per Level

- For 4 x 200 ltr.-barrels
- 200 ltr.-collecting capacity
- Dim. approx. 1639 x 810 x 2012 mm (L x W x H)

Model AFP 1620/2 500 kg per Level

- For 3 x 60 ltr.- and 2 x 200 ltr.-barrels
- 200 ltr.-collecting capacity
- Dim. approx. 1639 x 810 x 2012 mm (L x W x H)

Model AFP 2320/1 750 kg per Level

- For 6 x 200 ltr.-barrels
- 200 ltr.-collecting capacity
- Dim. approx. 2339 x 810 x 2012 mm (L x W x H)

Model AFP 2320/2 750 kg per Level

- For 5 x 60 ltr.- and 3 x 200 ltr.-barrels
- 200 ltr.-collecting capacity
- Dim. approx. 2339 x 810 x 2012 mm (L x W x H)

Carrying charges for AFP 1620, 2320 units not included

99,-

Accessories

Carrier for cans type KT/1

- Dim. approx. 350 x 300 x 20 mm (L x W x H)

Ball valve dispenser 3/4" type KGL 20

- Incl. 90° angled spout
- steel sheet, galvanized

Ball valve dispenser 3/4" type KGL 20 A

- Incl. 90° angled spout
- steel sheet, galvanized, lockable

Brass drain valve 3/4" type MAV 20

- Self-locking

Drain cock, brass 3/4" type MZH 20

- Self-locking, adjustable screw

Drum vent type FSV

- For necessary venting of barrel

Barrel key type FS 200

- Barrel key for 60-200 ltr.-barrels



part no.	price EUR
25 111	237,81
25 112	285,61
25 113	357,31
25 019	1.313,31
25 020	1.373,06
25 021	1.851,06
25 022	1.970,56
25 103	58,56
25 109	22,71
25 131	29,88
25 110	34,66
25 132	70,51
25 130	70,51
25 102	58,56



Mod. AFP 1200/1

Mod. AFP 1200/2

Mod. AFP 1200/1-P

Filling places

For environmentally friendly storage of original container of liquids hazardous to water such as engine oil, gear oil, hydraulic oil and similar. The collection pans integrated into the barrel racks are TÜV type approved and licensed for storage of liquids hazardous to water.

Model AFP 1200/1

- For 3 x 60 ltr and 1 x 200 ltr. barrel
- Collection pan model W 16 with grid
- 200 ltr. collection volume
- Incl. hand lever pump for oil and diesel model 13012 with outlet pipe
- Incl. 3 x discharge valve type MAV 20
- Incl. tin can 1 ltr., calibrated, type BK1
- Incl. can tray type KT/1
- Dim. approx. 1200 x 800 x 2000 mm (L x W x H)

Model AFP 1200/2

- Same as model AFP1200/1, but with:
- hand lever pump for oil and diesel model HP 840 with 1,5 m delivery hose and outlet pipe
- Incl. 3 x discharge valve type MAV 20
- Incl. plastic can 5 ltr., type KK5
- Incl. can tray type KT/1
- Dim. approx. 1200 x 800 x 2000 mm (L x W x H)

Model AFP 1200/1-PZO (without illustr.)

- Same as model AFP1200/1, but with:
- Pneum. oil pump OP 90D 30/1 with dispenser tap and drip tray model ZO 12
- Incl. 3 x discharge valve type MAV 20
- Incl. tin can 1 ltr. type BK 1
- Incl. Can tray type KT/1
- Dim. approx. 1200 x 800 x 2160 mm (L x W x H)

Model AFP 1200/1-P

- Same as model AFP1200/1, but with:
- Model ÖAS 200ZP, pneum. oil pump and digital meter and accessories
- Incl. 3 x discharge valve type MAV 20
- Incl. tin can 1 ltr., calibrated, type BK1
- Incl. can tray type KT/1
- Incl. hose bracket type SH
- Dim. approx. 1200 x 800 x 2000 mm (L x W x H)

Ventilation kit for model AFP 1200 type BLS 1200

- To prevent condensate under drain pan

Carrying charges for AFP 1200 units not included

Accessories

Gridded shelf (W=650 mm) type GA 650

Barrel racks (W=650 mm) type FA 650

Taper wedge model FK 10

- Taper wedge made of steel sheet for sloping 200 ltr barrels for better and easier emptying, height 100 mm

part no.	price EUR
25 060	859,21
25 061	930,91
25 077	1.313,31
25 063	1.552,31
25 141	58,56
	Request
25 121	130,26
25 128	166,11
25 124	34,66



Mod. AFP 1800/1

3 x inkl.

Mod. AFP 1800/2

1 x inkl.

Inkl. D/M 06

Mod. AFP 1800/1-P

Mod. FA 200

Filling places, barrel racks

For environmentally friendly storage of original container of liquids hazardous to water such as engine oil, gear oil, hydraulic oil and similar. The collection pans integrated into the barrel racks are TÜV type approved and licensed for storage of liquids hazardous to water.

Model AFP 1800/1

- For 4 x 60 Ltr. and 1 x 200 ltr. barrel
- 1 gridded shelf
- Collecting pan model W 27 with grid
- Incl. hand lever pump for oil and diesel model 13012 with outlet pipe
- Incl. 4 x discharge valve type MAV 20
- Incl. 1 ltr. Tin can type BK 1
- Incl. can tray type KT/1
- Dim. approx. 1800 x 800 x 2160 mm (L x W x H)

Model AFP 1800/2

- Same as model AFP 1800/1 but
- Incl. hand lever pump for oil and diesel model 840 with 1,5 m delivery hose and outlet pipe with outlet pipe
- Incl. 4 x discharge valve type MAV 20
- Incl. 5 ltr. plastic can type KK5
- Incl. can tray type KT/1
- Dim. approx. 1800 x 800 x 2160 mm (L x W x H)

Model AFP 1800/1-PZO (without illustr.)

- Same as model AFP 1800/1 but with
- pneum. oil pump OP 90D 30/1 with dispenser tap and drip tray model ZO 12
- Incl. 4 x discharge valve type MAV 20
- Incl. 1 ltr. tin can type BK 1
- Incl. can tray type KT/1
- Dim. approx. 1800x800x 2160 mm (LxWxH)

Model AFP 1800/1-P

- Same as model AFP 1800/1 but with
- ÖAS 200 ZP, pneum. oil pump OP 90D 30/ltr., 5 m dispensing hose and digital meter
- Incl. 4 x discharge valve type MAV 20
- Incl. 1 ltr. tin can type BK 1
- Incl. can tray type KT/1
- Incl. hose bracket type SH
- Dim. approx. 1800 x 800 x 2160 mm (L x W x H)

Ventilation kit for model AFP 1800 type BLS 1800

- To prevent condensate under drain pan

Carrying charges for AFP 1800 units not included

Accessories

Gridded shelf (W=1050 mm) type GA 1050

Barrel racks (W=1050 mm) type FA 1050

Level indicator model FA 200

- Liquid level indicator for 200 ltr.-barrel, G 3/8"

part no.	price EUR
25 072	1.253,56
25 073	1.313,31
25 076	1.671,81
25 075	1.910,81
25 142	82,46
	Request
25 104	154,16
25 106	190,01
27 145	58,56



3 x inkl.

Mod. AFP 2200/1



Inkl. D/M 06

Mod. AFP 2200/1-PZO

1 x inkl.



Inkl. D/M 06

Mod. AFP 2200/1-P

1 x inkl.



Mod. FK 10

Filling places, barrel racks

For the environmentally friendly storage of original casks with water endangering fluids such as engine oil, gearbox oil, hydraulic oil and others. Integrated into the barrel racks are drain pans, which are up to building code of TÜV-Hessen and are suitable for the storage of water hazardous fluids as well as for storage of waste oil (known origin, flash point > 55° C).

Model AFP 2200/1

- For 3 x 60 ltr. Barrels and 2 x 200 ltr. Barrel
- Collecting pan model W 27 with grid 230 ltr. Collection volume
- Incl. hand lever pump for oil and diesel model 13012 with outlet
- Incl. 3 x discharge valve type MAV 20
- Incl. 1 ltr. tin can type BK 1
- Incl. can tray type KT/1
- Incl. collection funnel for waste oil Ø 400 mm type AOT
- Dim. approx. 1800 x 800 x 2160 mm (L x W x H)

Model AFP 2200/2

(without illustr.)

- Same as model 22001/1 but with
- Hand lever pump for oil and diesel model 840 with 1,5 m delivery hose and outlet pipe with outlet pipe
- Incl. 3 x discharge valve type MAV 20
- Incl. 5 ltr. plastic can type KK5
- Incl. can tray type KT/1
- Incl. collection funnel for waste oil Ø 400 mm type AOT
- Dim. approx. 1800x800x 2160 mm (LxWxH)

Model AFP 2200/1-PZO

- Same as model 22001/1 but with
- Pneum. oil pump OP 90D 30/1 with dispenser tap and drip tray model ZO 12
- Incl. 3 x discharge valve type MAV 20
- Incl. 1 ltr. tin can type BK 1
- Incl. can tray type KT/1
- Incl. collection funnel for waste oil Ø 400 mm type AOT
- Dim. approx. 1800x800x 2160 mm (LxWxH)

Model AFP 2200/1-P

- Same as model 22001/1 but with
- ÖAS 200 ZP, pneum. oil pump OP 90D 30/ltr., 5 m dispensing hose and digital meter
- Incl. 3 x discharge valve type MAV 20
- Incl. 1 ltr. tin can type BK 1
- Incl. can tray type KT/1
- Incl. hose bracket type SH
- Incl. Collection funnel for waste oil Ø 400 mm type AOT
- Dim. approx. 1800 x 800 x 2160 mm (L x W x H)

Ventilation kit for model AFP 2200 type BLS 2200

- To prevent condensate under drain pan

Carrying charges for AFP 2200 units not included

Accessories

Gridded shelf (W=650 mm) type GA 650

Barrel racks (W=650 mm) type FA 650

Taper wedge model FK 10

- Taper wedge made of steel sheet for sloping 200 ltr barrels for better and easier emptying, height 100 mm

part no.	price EUR
25 078	1.134,06
25 079	1.313,31
25 080	1.552,31
25 081	1.791,31
25 142	82,46
	Request
25 121	130,26
25 128	166,11
25 124	34,66



Mod. AFP 2400/1

1 x inkl.



Mod. AFP 2400/1-PZO

Inkl. D/M 06

2 x inkl.



Mod. AFP 2400/1-P

Inkl. D/M 06

3 x inkl.



Mod. FA 200

Filling places, barrel racks

For the environmentally friendly storage of original casks with water endangering fluids such as engine oil, gearbox oil, hydraulic oil and others. Integrated into the barrel racks are drain pans, which are up to building code of TÜV-Hessen and are suitable for the storage of water hazardous fluids as well as for storage of waste oil (known origin, flash point > 55° C).

Model AFP 2400/1

- For 3 x 60 ltr. barrels and 3 x 200 ltr. barrel
- Collecting pan model W 28 with grid 252 ltr. Collection volume
- Incl. 2 x hand lever pump for oil and diesel model 13012 with outlet pipe
- Incl. 3 x discharge valve type MAV 20
- Incl. 2 x tin can type BK 1 (1 ltr.) and BK 2 (2 ltr.)
- Incl. can tray type KT/1
- Incl. collection funnel for waste oil Ø 400 mm type AOT
- Dim. approx. 2400x800x2160 mm (LxWxH)

Model AFP 2400/2

(without illustr.)

- Same as model 2400/1 but with
- 2 x hand lever pump for oil and diesel model 840 with 1,5 m delivery hose and outlet pipe with
- Incl. 3 x discharge valve type MAV 20
- Incl. 2 x plastic can type KK 2 (2 ltr.) and KK 5 (5 ltr.)
- Incl. can tray type KT/1
- Incl. collection funnel for waste oil Ø 400 mm type AOT
- Dim. approx. 2400 x 800 x 2160 mm (L x W x H)

Model AFP 2400/1-PZO

- Same as model 2400/1 but with
- 2 x Pneum. oil pump OP 90D 30/1 with 2 x dispenser tap and 2 x drip tray model ZO 12
- Incl. 3 x discharge valve type MAV 20
- Incl. 2 x tin can type BK 1 (1 ltr.) and BK 2 (2 ltr.)
- Incl. can tray type KT/1
- Incl. collection funnel for waste oil Ø 400 mm type AOT
- Dim. approx. 2400 x 800 x 2160 mm (L x W x H)

Model AFP 2400/1-P

- Same as model 2400/1 but with
- 2 x ÖAS 200 ZP, pneum. oil pump OP 90D 30/ltr., 5 m dispensing hose and digital meter
- Incl. 3 x discharge valve type MAV 20
- Incl. 2 x tin can type BK 1 (1 ltr.) and BK 2 (2 ltr.)
- Incl. can tray type KT/1
- Incl. 2 x hose bracket type SH
- Incl. collection funnel for waste oil Ø 400 mm type AOT
- Dim. approx. 2400 x 800 x 2160 mm (L x W x H)

Ventilation kit for model AFP 2400 type BLS 2400

- To prevent condensate under drain pan

Carrying charges for AFP 2400 units not included

Accessories

Gridded shelf (W=650 mm) type GA 650

Barrel racks (W=650 mm) type FA 650

Level indicator model FA 200

- Liquid level indicator for 200 ltr.-barrel, G 3/8"

part no.	price EUR
25 082	1.492,56
25 083	1.612,06
25 084	2.388,81
25 085	2.886,81
25 143	106,36
	Request
25 121	130,26
25 128	166,11
27 145	58,56



Mod. GTK 60/3-P

Inkl. 3x D/M 06

Inkl. LWE 06

Mod. GTK 60/3-E

Type GTK-MU

Attention:

If used with gear oil the performance of pumps must be adjusted. Refer to article no. 20 200

Stationary version with carrying unit

This special dispenser set is designed to optimise your oil supply. It is ready to use and can be employed nearly everywhere. The carrying unit can be fitted with electrical or pneumatic pumps. 1 - 3 different kind of oils can be dispensed via oil bar. Drain pan confirming VAWS is included.

Basic version:

- Varnished self-supporting carrier unit
- 2 or 3 x electrical or pneumatic pumps
- Oil connection and suction hoses
- 1 x oil bar, with 2 or 3 nozzles
- 1 x drain pan, TÜV approved

Performance: (depending on degree of viscosity - see p. 240)

- **Pneumatic pump** max. 10 ltr./min
- Air inlet pressure max. 8 bar (150 PSI)
- Type OP 90 D 30/1
- **Electrical pump** max. 10 ltr./min
- Connection 230 V~, 50 Hz, 0,55 kW
- Type OP 140 ED/1 (incl. pressure switch)

Model GTK 60/2-P, pneum. pumps

- 1 x carrier unit type W 10 T, for 2 x 60 ltr.-barrels
- 2 x pneum. pump type OP 90 D 30/1, incl. suction hose
- 1 x oil bar with 2 nozzles
- 1 x drain pan type W 10
- Dim. approx. 1360 x 800 x 1755 mm (L x W x H)

Model GTK 60/3-P, pneum. pumps

- 1 x carrier unit type W 10 T, für 3 x 60 ltr.-barrels
- 3 x pneum. pump type OP 90 D 30/1, incl. suction hose
- 1 x oil bar with 3 nozzles
- 1 x drain pan type W 10
- Dim. approx. ca. 1360 x 800 x 1755 mm (L x W x H)

Model GTK 200/2-P, pneum. pumps

- 1 x carrier unit type W 10 T, for 2 x 200 ltr.-barrels
- 2 x pneum. pump type OP 90 D 30/1, incl. suction hose
- 1 x oil bar with 2 nozzles
- 1 x Drain pan type W 10
- Dim. approx. 1360 x 800 x 1755 mm (L x W x H)

Model GTK 60/2-E, electr. pumps

- Identical with model GTK 60/2-P, but with
- 2 x electr. pump type OP 140 ED, incl. suction hose
- 2 x pressure switch, cabled
- Dim. approx. 1360 x 800 x 1755 mm (L x W x H)

Model GTK 60/3-E, electr. pumps

- Identical with model GTK 60/3-P, but with
- 1 x carrier unit type W 10 T, für 3 x 60 ltr.-barrels
- 3 x electr. pump type OP 140 ED, incl. suction hose
- 3 x pressure switch, cabled
- Dim. approx. ca. 1360 x 800 x 1755 mm (L x W x H)

Model GTK 200/2-E, electr. pumps

- Identical with model GTK 200/2-P, but with
- 2 x electr. pump type OP 140 ED, incl. suction hose
- 2 x pressure switch, cabled
- Dim. approx. 1360 x 800 x 1755 mm (L x W x H)

Add. charge for meter for mod. GTK type GTK-MU

- Per nozzle

**Assembly ready to connect for GTK
Additional freight charges for GTK**

part no.	price EUR
22 304	2.207,78
22 305	2.623,03
22 308	2.204,78
22 306	3.160,78
22 307	3.818,03
22 309	3.160,78
22 316	381,21
	149,- Request

NEW



Inkl. 6x D/M 06



Inkl. LWE 06



Mod. GTK 60/6-P inkl. optionalen Messuhren



Inkl. 3x D/M 06



Inkl. LWE 06



Mod. GTK 200/3-P



Type GTK-MU

Stationary version with carrying unit

This special dispenser set is designed to optimise your oil supply. It is ready to use and can be employed nearly everywhere. The carrying unit can be fitted with electrical or pneumatic pumps. 1 - 6 different kind of oils can be dispensed via oil bar. Drain pan confirming VAWS is included.

Basic version:

- Varnished self-support carrier unit
- 3 or 6 x electric or pneumatic pump
- Oil connection and suction hoses
- Oil bar (s) with 3 x spigot
- 1 x drain pan zinc coated, PTB licensed

Performance: (depending on degree of viscosity - see p. 240)

- **Pneumatic pump** max. 10 ltr./min
- Air inlet pressure max. 8 bar (150 PSI)
- Type OP 90 D 30/1

- **Electrical pump** max. 10 ltr./min
- Connection 230 V~, 50 Hz, 0,55 kW
- Type OP 140 ED (incl. pressure switch)

Model GTK 60/6-P, pneum. pumps

22 310 3.937,53

- 1 x carrier unit type W 11 T for 6 x 60 ltr. barrels
- 6 x pneum. pumps type OP 90D30/1, incl. suction hose
- 2 x oil bar with 6 spigots totally
- 1 x drain pan type W 11
- Dim. 1800 x 800 x 1755 mm (L x W x H)

Model GTK 60/200/6-P, pneum. pumps

22 311 3.937,53

- 1 x carrier unit type W 11 T for 6 x 60 ltr. barrels and 2 x 200 ltr. barrels
- 6 x pneum. pumps type OP 90D30/1, incl. suction hose
- 2 x oil bar with 6 spigots totally
- 1 x drain pan type W 11
- Dim. 1800 x 800 x 1755 mm (L x W x H)

Model GTK 200/3-P, pneum. pumps

22 312 2.802,28

- 1 x carrier unit type W 11 T for 3 x 200 ltr. barrels
- 3 x pneum. pumps type OP 90D30/1, incl. suction hose
- 1 x oil bar with 36 spigots totally
- 1 x drain pan type W 11
- Dim. 1800 x 800 x 1755 mm (L x W x H)

Model GTK 60/6-E, electr. pumps

22 313 6.387,28

- Identical with GTK 60/6-P but
- 6 x electr. pumps OP 140 ED/1, incl. suction hose
- 6 x Pressure switch, cabled
- Dim. 1800 x 800 x 1755 mm (L x W x H)

Model GTK 60/200/6-E, electr. pumps

22 314 6.387,28

- Identical with 60//200/6-P but
- 6 x electr. pumps OP 140 ED/1, incl. suction hose
- 6 x Pressure switch, cabled
- Dim. 1800 x 800 x 1755 mm (L x W x H)

Model GTK 200/3-E, electr. pumps

22 315 3.758,28

- Identical with GTK 200/3-P but
- 3 x electr. pumps OP 140 ED/1, incl. suction hose
- 3 x pressure switch, cabled
- Dim. 1800 x 800 x 1755 mm (L x W x H)

Add. charge for meter for mod. GTK type GTK-MU

22 316 381,21

- Per nozzle

**Assembly ready to connect up to models GTK 60/6
Additional freight charges up to models GTK 60/6**

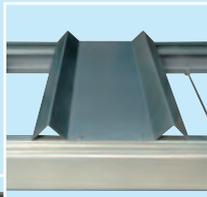
**249,-
Request**



Mod. VLR 1950/4 + W 23



Anwendungsbeispiel Kleinteilelager



Type FA 1950



Type WA 1950



Type SP 1950



Type KT/1



Type KGL 20



Type KGL 20 A



Type MAV 20



Type FSV



Type MZH 20

Storage racks

All-round storage and safety racks to store products and goods; useable according to construction. As basic- and extension shelf, height adjustable shelves in a distance of 25 mm. 4 shelves with a max. load of **400 kg per shelf** by distributed load.

Storage rack Model VLR 1950/4

All-round storage rack for procurement
 Basic shelf with 4 cattle grid shelves
 Dim. approx. 1950 x 600 x 1820 mm (L x W x H)
 Weight: approx. 39 kg

Extension rack Model ALR 1950/4

All-round storage rack for procurement
 Extension shelf with 4 cattle grid shelves
 Dim. approx. 1950 x 600 x 1820 mm (L x W x H)
 Weight: approx. 33 kg

Drain pan Model W 23

Drain pan without grid shelf, with feet, galvanized. For storage of liquids that are harmful to water and inflammable substances. In conjunction with storage shelves VLR and ALR for storage of dangerous materials

Capacity of tray 230 l
 Weight approx. 70 kg
 Dim. approx. 1800 x 800 x 260 mm (L x W x H)

Carrying charges for Mod. VLR, ALR units not included

Accessories

Barrel overlay type FA 1950

For 4 x 60 l -casks
 Dim. approx. 1800 x 600 x 50 mm (L x W x H)
 Weight: approx. 12 kg

Drip pan for storage rack type WA 1950

For small casks that are harmful to water
 Usable with and without cattle grid shelves
 Steel panel, galvanized
 Collecting capacity approx. 60 l
 Dim. approx. 1800 x 570 x 60 mm (L x W x H)
 Weight approx. 20 kg

Chipboard type SP 1950

Shelf for dry goods
 Dim. approx. 1800 x 600 x 16 mm (L x W x H)
 Weight approx. 10 kg

Carrier for cans type KT/1

Steel sheet, galvanized
 Dim. approx. 350 x 300 x 20 mm (L x W x H)

Ball valve dispenser 3/4" type KGL 20

Incl. 90° angled spout
 steel sheet, galvanized

Ball valve dispenser 3/4" type KGL 20 A

Incl. 90° angled spout
 Steel sheet, galvanized, lockable

Brass drain valve 3/4" type MAV 20

Self-locking

Messing-Abgabehahn 3/4" type MZH 20

Self-locking, adjustable screw,

Drum vent type FSV

For necessary venting of barrel

part no.	price EUR
25 300	476,81
25 301	393,16
25 029	440,96
	Request
25 319	237,81
25 320	357,31
25 321	101,58
25 103	58,56
25 109	22,71
25 131	29,88
25 110	34,66
25 132	70,51
25 130	70,51



Mod. ULT 1950



Anwendungsbeispiel mit MZW 50



Mod. ULR 1000



Type TR/1



Type SLB



Working benches

Multi-purpose work bench with multiplex table leaf (30 mm) for storage, can be used as work bench with collection pan. The basic table as well as the extension with adjustable shelves – in steps of 25 mm – can bear a max. load of **400 kg** spread per shelf.

Working bench model ULT 1950

- Multi-purpose work bench for work shop
- Work bench with grid shelf
- Dim. 1950 x 600 x 900 mm (L x W x H)
- Weight approx. 40 kg

Working bench model ALT 1950

- Extension working bench for work shop
- Work bench with grid shelf
- Dim. 1950 x 600 x 900 mm (L x W x H)
- Weight approx. 38 kg

Carrying charges for ULT, ALT units not included

Multi-purpose pan model MZW 50

- Multi-purpose pan made of plastic, black
- Especially for the collection of small casks
- Capacity of pan 50 ltr.
- Spout for easy draining
- Dim. approx. 880 x 600 x 100 mm (L x W x H)

Working bench model ULR 1000

- Multipurpose storage rack or work bench for work shop
- To be used either as work bench or as storage rack
- Max. load 300 kg per shelf
- Dim. storage rack: approx. 915 x 610 x 1860 mm (LxWxH)
- Dim. work bench approx. 2750 x 610 x 930 mm (LxWxH)
- Weight: approx. 29 kg

Carrying charges for ULR units not included

Steps/Platform

This step/platform is the perfect aid in workshop, garage and garden. Jobs like vehicle preparation, washing of vehicles, assembly of roof racks, cleaning of windows or other maintenance work can be done much easier by this aluminum platform with anti-slip feet and non-slip surface.

Step type TR/1

- 2-steps
- Plastic
- Dim. approx. 600 x 360 x 360 mm (L x W x H)
- Weight approx. 3,0 kg

Safety platform type SLB

NEW

- Stable work platform made of aluminum, for safe use in workshop, including safety lock
- Foldable for easy transport and storage
- Load cap. up to 150 kg
- Stepping surface approx. 950 x 300 mm (l/w)
- Dim. approx. 1028 x 380 x 495 mm (l/w/h)
- Weight approx. 7,2 kg

part no.	price EUR
25 305	357,31
25 306	333,41
25 126	83,53
25 307	297,56
	Request
	Request
27 114	119,38
27 170	154,16



Mod. RLS 1350/3

Type RT 1300

Type RLS/WB

Mod. RLM 1350/1

Tyre Storage Racks

Tyre storage racks made of high quality steel sheet with zinc coated surface. Designed for space saving and appropriate storage of tires.

Mobile type for easy and ergonomic handling by fixed rollers and castor wheels. For comfortable transport of tires from store to working place.

Model RLS 1350/3 150 kg per Level

- Static rack for tyre storage
- 3 shelves, field load 800 kg
- Suitable for tyre w/ diameter 578-624 mm
- Dim. approx 1300x424x1850 mm (LxWxH)



part no. 25 313 price EUR 237,81

Model ERS 1350/3 150 kg per Level

- Extension for basic rack
- 3 shelves, field load 800 kg
- Suitable for tyre w/ diameter 578-624 mm
- Dim. approx 1300x424x1850 mm (LxWxH)



part no. 25 326 price EUR 178,06

Model RLS 1350/4 150 kg per Level

- Static rack for tyre storage
- 4 shelves, field load 800 kg
- Suitable for tyre w/ diameter 578-624 mm
- Dim. approx 1300x424x2500 mm (LxWxH)



part no. 25 314 price EUR 297,56

Model ERS 1350/4 150 kg per Level

- Extension for basic rack
- 4 shelves, field load 800 kg
- Suitable for tyre w/ diameter 578-624 mm
- Dim. approx 1300x424x2500 mm (LxWxH)



part no. 25 327 price EUR 225,86

Model RLS 1350/5 150 kg per Level

- Static rack for tyre storage
- 5 shelves, field load 800 kg
- Suitable for tyre w/ diameter 578-624 mm
- Dim. approx 1300x424x3000 mm (LxWxH)



part no. 25 315 price EUR 357,31

Model ERS 1350/5 150 kg per Level

- Extension for basic rack
- 5 shelves, field load 800 kg
- Suitable for tyre w/ diameter 578-624 mm
- Dim. approx 1300x424x3000 mm (LxWxH)



part no. 25 328 price EUR 273,66

Plus transport charges for mod. RLS / ERS

Request

Accessories

Tyre traverse (W=1300mm / 2 pcs) type RT 1300

part no. 25 503 price EUR 33,34

Wall mounting kit type RLS/WB

part no. 25 509 price EUR 19,00

- For fixing rack RLS/ERS to wall, adjustable distance up to 200 mm

Model RLM 1350/1 150 kg per Level

part no. 25 312 price EUR 536,56

- Mobile storage rack for the transport of tyres from stock to working place/vehicle
- 2 shelves, field load 300 kg
- Shelves with extra designed tyre traverses for smooth transport of tyres and rims.
- Support frame riveted, base plat not mounted
- With 2 fixed rollers and two castor wheels
- Castor wheels with brake
- Suitable for tyres w/ diameter 578-624 mm
- Dim. approx. 1350 x 682x 1625 mm (LxWxH)

Plus Transport charges for mod. RLM 1350/1

Request



Mod. LRM 900/1



Mod. LRM 900/2



Mod. RSR 900/1



Mod. RSR 900/2

Storage rack with bins, movable

Storage rack with bins for the storage of assembly- and small parts. Solid sheet steel construction with 4 steering rollers, 2 lockable.

Storage rack model LRM 900/1

Mobile storage rack with 22 bins

- 15 x bins 390 x 150 x 90 mm (L x W x H) max. 20 kg
- 4 x bins 390 x 190 x 165 mm (L x W x H) max. 28 kg
- 3 x bins 390 x 255 x 165 mm (L x W x H) max. 30 kg
- Dim. Approx. 860 x 410 x 940 mm (L x W x H)
- Weight approx. 12 kg

Storage rack model LRM 900/2

Mobile storage rack with 26 bins

- 15 x bins 390 x 150 x 90 mm (L x W x H) max. 20 kg
- 12 x bins 390 x 190 x 165 mm (L x W x H) max. 28 kg
- 9 x bins 390 x 255 x 165 mm (L x W x H) max. 30 kg
- Dim. Approx. 860 x 410 x 1780 mm (L x W x H)
- Weight approx. 20 kg

Multi-purpose pan MZW 50 (without illustr.)

- Multi-purpose pan made of plastic, black
- Especially for the collection of small casks
- Capacity of pan 50 ltr.
- Spout for easy draining
- Dim. approx. 880 x 600 x 100 mm (L x W x H)

Tyre Service Rack with bins movable

Service rack for tyre shops to easily handle tyre changing machine and wheel balancer.

Fitted with roll holder SPEEDCUT for all Hofmann Power Weight adhesive rolls with integrated weight scale and innovative cutting device. Speedcut waste bin as well as bracket and holder for , insertion tool, weight pliers, brush and chalk

Tyre Service Rack model RSR 900/1

Mobile tyre service rack with 22 bins

- Same as model LRM 900/1 but with
- Bracket for 5 kg bucket wax incl. tension belt for fixation and bin for brush
- Side cover with tool holder for tyre changing tools such as weight pliers, valve screw driver, insertion tool and chalk
- Holder for power weight adhesive rolls with integrated weight scale and cutting device, waste bin for protective film
- Incl. multi-purpose pan for collection of small casks and storage of tools
- Tools not included in delivery

Tyre service rack model RSR 900/2

Mobile tyre service rack with 36 bins

- Same as model RSR 900/1, but with
- Complete side cover with big tool holder
- Tools as well as tyre inflator not included in delivery.

Plus Transport charges for mod. LRM/RSR

part no.	price EUR
25 308	333,41
25 309	476,81
25 137	35,73
25 310	811,41
25 311	954,81
	Request



Mod. MC



Mod. MC

Attention:

For storage outside safety room container must not be fire resistant provided that

■ A safety zone of at least 10 m from next building is observed

or

■ The outside wall of the neighbor building is made fire resistant (F90 according DIN 4102)



Mod. MC

Material container

Material container made of special coated steel panel for storage of products and goods. It offer as accessible stocks a compact solution for space shortage. In combination with an Rapid collecting pan made of steel the safety room container serves for storage of liquids harmful to water.

Material container Model MC 1321

- Solid construction made of hot zinc galvanized steel sheet
- Big single swing door (1300 x 1890 mm) with safety lock and door handle set
- Access at ground level, no floor
- Snow load up to 220 kg/qm
- Static for container according to EUROCODE 3
- Covered space approx. 6,61 qm
- Dim. approx. 2170 x 3050 x 2150 mm (LxWxH)
- Weight approx. 450 kg
- not mounted, mounting time approx. 20 minutes

Material container Modell MC 1320

- Construction same as model MC 1321 but
- With solid wooden floor (20 mm tongue- and grooved wood, max. load up to 500 kg/qm)

Safety room container Model MC 31981

- Construction same as model MC 1321 but
- For storage and decanting and bottling of not inflammable media hazardous to water category (WGK) 1-3
- Collection pan made of steel, **with grid**
- Dim. approx. 2170 x 3050 x 2310 mm (LxWxH)
- Weight approx. 750 kg

Further dimensions on request

Carrying charges for MC units not included

Material container Model MC 1421

- Solid construction made of hot zinc galvanized steel sheet
- Big single swing door (1300 x 1890mm) with safety lock and door handle set
- Access at ground level, no floor
- Snow load up to 220 kg/sqm
- Static for container according to EUROCODE 3
- Covered space approx. 8,78 qm
- Dim. approx. 2170 x 4050 x 2150 mm (L x W x H)
- Weight approx. 600 kg
- Not mounted, mounting time approx. 20 minutes

Material container Model MC 1420

- Construction same as model MC 1421 but
- With solid wooden floor (20 mm tongue- and grooved wood, max. load up to 500 kg/qm)

Safety room container Model MC 31948

- Construction same as model MC 1421 but
- For storage and decanting and bottling of not inflammable media hazardous to water category (WGK) 1-3
- Collection pan made of steel, **with grid**
- Dim. approx. 2170 x 4050 x 2300 mm (L x W x H)
- Weight approx. 1020 kg

Further dimensions on request

Carrying charges for MC units not included

part no.	price EUR
27 205	Request
27 206	Request
27 207	Request
	Request
27 208	Request
27 209	Request
27 210	Request
	Request



Multi-purpose pans

Multi-purpose pan made of plastic for the collection and storage of liquids.

Model MZW 20

- Multi-purpose pan made of plastic, black
- Especially for the usage underneath cars
- Capacity of pan 20 ltr.
- Spout for easy draining
- Loop for pulling and hanging the pan
- Dim. approx. 685 x 677 x 65 mm (L x W x H)

Model MZW 15 (without illustr.)

- Multi-purpose pan made of plastic, black
- Especially for collection of small casks
- Capacity of pan 15 ltr.
- Dim. approx. 530 x 380 x 80 mm (L x W x H)

Model MZW 50

- Multi-purpose pan made of plastic, black
- Especially for the collection of small casks
- Capacity of pan 50 ltr.
- Spout for easy draining
- Dim. approx. 880 x 600 x 100 mm (L x W x H)

Model MZW 70

- Multi-purpose pan made of plastic, black
- Especially for the collection of small casks
- Capacity of pan 70 ltr.
- Spout for easy draining
- Dim. approx. 950 x 860 x 100 mm (L x W x H)

Model EFS

- For piling on top of 200 ltr. barrel
- Ø 600 mm, plastic, incl. collection sieve

Model MZS 15 (VE 4)

- Multi-purpose pan made of plastic, black
- Especially for the usage underneath cars
- Handlebars for easy carriage of the full trough
- Capacity of pan 15 ltr.
- Spout for easy draining
- Dim. approx. 440 x 500 x 140 mm (L x W x H)

Model RNW 3

- Multi-purpose pan made of plastic, black
- Especially for collecting axle oils when opening wheel hubs, tub capacity 3 ltr.
- Spout for easy draining
- From 13.75" truck wheel size (on the inside)
- Dim. approx. 316 x 246 x 156 mm (L x W x H)

part no.	price EUR
25 125	35,73
25 137	35,73
25 126	83,53
25 127	131,33
25 144	131,33
25 129	35,73
25 133	47,68



Measuring cups, measuring cans and funnels

For controlled filling and dispensing of oil.
When ordering packing unit (PU) we grant you a quantity discount of 10%.

Basic version:

- Stable and resistent to rupture
- Oil and acid resistant
- Designed for practical handling
- High brim for save pouring
- handle for comfortable use

Model KK

Plastic can with outlet funnel and scale.

- Outlet with protection cover and protection cap

Type KK 1 für 1 ltr. (PU 6)

Type KK 2 für 2 ltr. (PU 6)

Type KK 3 für 3 ltr. (PU 6)

Type KK 5 für 5 ltr. (PU 6)

Accessories

Flexible outlet pipe for plastic can (PU 6)

Type KK-A1 for 1 ltr. plastic can

Type KK-A2 for 2 ltr. plastic can

Type KK-A3 for 3-5 ltr. plastic can

Model BKF

Tin can with metal flex spoud and scale,

Type BKF 1 for 1 Ltr. (PU 6)

Model BK

Tin can with outlet funnel and scale.

Type BK 0,5 for 0,5 Ltr. (PU 5)

Type BK 1 for 1 Ltr. (PU 5)

Type BK 2 for 2 Ltr. (PU 5)

Model BK-Set

Type BK-Set

- Tin can 1 Ltr. and 2 Ltr.

Model KB

Plastic liquid measure, transparent with scale

Type KB 0,5 for 0,5 ltr. (PU 12)

Type KB 1 for 1 ltr. (PU 6)

Type KB 2 for 2 ltr. (PU 6)

Type KB 3 for 3 ltr. (PU 6)

Type KB 5 for 5 ltr. (PU 6)

Model KB-Set

Type KB-Set

- Plastic liquid measure 1 Ltr., 3 Ltr. and 5 Ltr.

Model KWK

Can for anti-freeze, made of polyethylene, black

- with sealing cap and filter

Type KWK for 11 ltr.

part no.	price EUR
24 101	11,83
24 102	15,42
24 103	20,20
24 104	23,78
24 113	3,11
24 145	3,47
24 146	4,18
24 147	20,20
24 105	13,03
24 106	16,61
24 107	21,39
24 159	35,73
24 108	5,86
24 109	8,25
24 110	13,03
24 111	20,20
24 112	32,15
24 160	35,73
24 149	41,71



Funnels

For controlled filling and dispensing of oil.
 Oil, acid and fuel resistant

When ordering packing unit (PU) we grant you a quantity discount of 10%.

Model KT

Plastic funnel

Type KT 100 Ø 100 mm, 0,25 ltr. (PU 10)

Type KT 120 Ø 120 mm, 0,27 ltr. (PU 10)

Type KT 150 Ø 150 mm, 0,7 ltr. (PU 10)

Type KT 200 Ø 200 mm, 2,9 ltr. (PU 6)

Type KT-Satz Ø 50, 75, 100 and 120 mm (VE PU)

Type KTH 160 for Ø 160 mm, 1,2 ltr. (PU 5)

- Ergonomic and safe handle
- High overflow rim functions as splash guard
- Removable strainer, brass

Type KTF 160 for Ø 160 mm, 1,2 ltr. (PU 6)

- Identical with type KTH 160, but with:
- Flex spoud, removable

Type KTK 160 for Ø 160 mm, 1,2 ltr. (PU 6)

- Angled tube, safety discharge spoud
- High overflow rim fundctions as splash guard
- Removable strainer, brass

Type KTD 250 Ø 250 mm, 2,0 ltr.

- funnel with flap lid, 2" AG

Model BT

Tin funnel with strainer

- High rim as splash guard
- Removable fine brass strainer

Type BT 160 Ø 160 mm, incl. strainer, 1,3 Ltr. (VE 10)

Type BT 200 Ø 200 mm, incl. strainer, 3,2 Ltr. (VE 6)

Accessories

Flexible discharge spout-metal for funnels

Type BT-A for type BT 160 and BT 200, to screw-on

Model KTU

NEW

Type KTU 120 Ø 120 mm

Multipurpose plastic funnel

- Funnel to be fixed by universal clamping device
- Control by transparent line
- Suitable for various types of vehicles
- Clamp system also suitable for other funnels

Measuring cans

For controlled filling and dispensing of oil.

Model BE

Measuring canmade of galvanised sheet steel with funnel discharge spout

- Handle and swivelling carrying handle
- Calibratable

Type BE 5/E for 5 ltr.

Type BE 10/E for 10 ltr.

part no.

price EUR

24 114 3,47

24 115 4,06

24 116 5,26

24 117 7,17

24 144 5,86

24 150 9,44

24 151 10,64

24 152 19,00

24 158 35,73

24 118 21,39

24 119 23,78

24 153 11,83

24 161 46,61

24 156 166,11

24 157 190,01



Oiler

High-quality oiler for professional usage during all service- and maintenance tasks in industry and crafts. When ordering packing unit (PU) we grant you a quantity discount of 10%.

SPECIAL-pump oiler Model PÖ 250

- 0,25 ltr. tin plate container (PU 6)
- 165 mm aluminium spout, angled

Industrial oiler Model IÖ 200

- 0,20 ltr. zinc die casting container (PU 6)
- 135 mm aluminium spout, angled

Industrial oiler Model IÖ 500

- 0,50 ltr. zinc die casting container (PU 6)
- 165 mm aluminium spout, angled

Workshop oiler Model WÖ 200

- 0,20 ltr. HDPE-container, white (PU 6)
- 135 mm aluminium spout, angled

Workshop oiler Model WÖ 300

- 0,30 ltr. HDPE-container, white (PU 6)
- 165 mm aluminium spout, angled

Oiler Model Ö 250

- 0,25 ltr. LDPE-container, transparent (PU 10)
- Brass discharge spout, telescopic from 36 - 145 mm

Oiler Model Ö 500

- 0,50 ltr. LDPE-container, transparent (PU 10)
- Brass discharge spout, telescopic from 36 - 180 mm

Syringes

Syringes for filling, cleaning and emptying gear boxes and similar parts with oil. Made out of varnished sheet steel. Delivery with bent filling pipe, 135 mm in length.

Model SFS 250

- 0,25 ltr. capacity, Ø 40 mm
- Length without pipe approx. 270 mm

Model SFS 500

- 0,5 ltr. capacity, Ø 50 mm
- Length without pipe approx. 340 mm

Model SFS 1000

- 1 ltr. capacity, Ø 50 mm
- Length without pipe approx. 580 mm

Model SFS-K 500

- 0,5 ltr. capacity, Ø 50 mm, plastic
- Length without pipe approx. 340 mm

Model SFS-K 1000

- 1 ltr. capacity, Ø 50 mm, plastic
- Length without pipe approx. 580 mm

Accessories

Suction and dispensing hose type SFS-S

- Flexible, NPS 10, length approx. 300 mm

part no.	price EUR
23 020	21,39
23 021	29,76
23 022	35,73
23 023	26,17
23 024	28,56
23 025	6,57
23 026	7,05
23 014	22,59
23 015	24,98
23 016	30,95
23 043	59,63
23 044	71,58
23 502	6,45



Oiler and sprayer

High-quality oiler for professional usage during all service- and maintenance tasks in industry and crafts.

When ordering packing unit (PU = 6) we grant you a quantity discount of 10%.

Dispensing bottle Model USF 500

- 0,5 Ltr. LDPE-container, transparent
- PE-spout, telescopic from 115 up to 260 mm, angled with spray nozzle
- Oil, acid and fuel-resistant

Industrial sprayer Model IZ 1000

- 1,0 Ltr. PE-container, white-transparent
- Manually air pressurized
- Sprayer head with adjustable and closeable brass nozzle
- Suitable for various chemicals, e.g. detergents, solvents and cleaning agents
- Not suitable for acetone, glykol, ammonia, break cleaners and acids like formic acid and acetic acid

Industrial sprayer Model ZO 750

- 0,75 Ltr. HDPE-container, orange
- Sprayer head with adjustable and closeable plastic nozzle
- Suitable for various chemicals, e.g. detergents, solvents and cleaning agents
- Not suitable for acetone, glykol, ammonia, break cleaners and acids like formic acid and acetic acid

Racks for Jerry Cans

Make the emptying of jerry cans easier – for cans 10 l to 60 l) Allow an exact batching by mean of the rocker arm. Perfect for the use in industry, workshop and laboratory. Can be mounted on wall or table.

Model AFB 10

- Secure way to put canister in the swiveling basket for 10 l canister
- steel plate, varnished
- Dim. approx. 275 x 330 x 615 (L x W x H)

Model AFB 30

- Secure way to put canister in the swiveling basket for 20-30 l canister
- steel plate, varnished
- Dim. approx. 350 x 430 x 795 (L x W x H)

Model AFB 60 (without illustr.)

- Secure way to put canister in the swiveling basket for 60 l canister
- steel plate, varnished
- Dim. approx. 415 x 490 x 1035 (L x W x H)

Accessories

Drain cock for canisters type AH 55

- For canister-threads 55 mm

Drain cock for canisters type AH 60

- For canister-threads 60 mm

part no.	price EUR
23 027	5,86
23 028	23,78
23 029	11,83
25 050	178,06
25 051	261,71
25 052	321,46
25 119	27,37
25 120	29,76



Petrol jerrycans

Jerrycans made of HDPE or metal for transport of liquid fuels.

When ordering packing unit (PU) we grant you a quantity discount of 10%.

Model KKB

Robust jerrycan made of HDPE, red, suitable for liquid fuels, **not calibratable**

- Flexible discharge spout with integral ventilation
- Cover cap is secured against loss with flex. band
- Robust and resistant against impact
- TÜV-approved, UN/BAM-approved

Type KKB 5 for 5 ltr.

Type KKB 10 for 10 ltr.

Type KKB 20 for 20 ltr.

Model AKB

Robust jerrycan made of HDPE, steel-grey, suitable for liquid fuels, **not calibratable**

- Flexible discharge spout with integral ventilation
- Cover cap is secured against loss with flex. band
- Robust and resistant against impact
- Dimensions compatible with military jerrycans
- TÜV-approved, UN/BAM-approved

Type AKB 20 for 20 ltr.

Model MKB

Robust Jerrycan made of metal, olive-green, suitable for liquid fuels, **not calibratable**

- Internally painted
- Safe lock
- TÜV-approved, UN-approved

Type MKB 5 for 5 ltr. (PU 5)

Type MKB 10 for 10 ltr. (PU 5)

Type MKB 20 for 20 ltr. (PU 4)

Accessories

Flexible discharge spout type MKB-AF

- Für Metallkanister Type MKB, 240 mm lang

part no.	price EUR
24 200	20,20
24 201	23,78
24 202	35,73
24 203	47,68
24 204	53,66
24 205	59,63
24 206	71,58
24 208	23,78

Mod. KKW 20



Mod. KKW-A 20



Mod. KKW-SR 20



Mod. KKW-SA 20



Mod. KKW-SAR 20



Jerrycans for water

Jerrycans for water and other fluids, made of HDPE, food safe.

Model KKW-R

Robust jerrycan made of HDPE, steel-grey, food safe, **not calibratable**

- Flexible discharge spout with integral ventilation
- Cover cap is secured against loss with flex. band
- Robust and resistant against impact

Type KKW-R 5 for 5 ltr.
Type KKW-R 10 for 10 ltr.
Type KKW-R 20 for 20 ltr.

Model KKW-A

Robust jerrycan made of HDPE, transparent, food safe, **not calibratable**

- With detachable tap, easy to clean
- Cover cap is secured against loss with flex. band
- Robust and resistant against impact

Type KKW-A 10 for 10 ltr.
Type KKW-A 15 for 15 ltr.
Type KKW-A 20 for 20 ltr.
Type KKW-A 35 for 35 ltr.

Model KKW-SR

Robust jerrycan made of HDPE, transparent, food safe, **not calibratable**

- Flexible discharge spout with integral ventilation
- Cover cap is secured against loss with flex. band
- Robust and resistant against impact
- Stackable

Type KKW-SR 10 for 10 ltr.
Type KKW-SR 15 for 15 ltr.
Type KKW-SR 20 for 20 ltr.

Model KKW-SA

Robust jerrycan made of HDPE, transparent, food safe, **not calibratable**

- With detachable tap, easy to clean
- Cover cap is secured against loss with flex. band
- Robust and resistant against impact
- Stackable

Type KKW-SA 10 for 10 Ltr.
Type KKW-SA 15 for 15 Ltr.
Type KKW-SA 20 for 20 Ltr.

Model KKW-SAR

Robust jerrycan made of HDPE, transparent, food safe, **not calibratable**

- Flexible discharge spout with integral ventilation
- With detachable tap, easy to clean
- Cover cap is secured against loss with flex. band
- Robust and resistant against impact
- Stackable

Type KKW-SAR 10 for 10 ltr.
Type KKW-SAR 15 for 15 ltr.
Type KKW-SAR 20 for 20 ltr.

part no.	price EUR
24 210	14,22
24 211	21,39
24 212	27,37

24 213	20,20
24 214	23,78
24 215	32,15
24 216	41,71

24 217	20,20
24 218	23,78
24 219	29,76

24 220	23,78
24 221	26,17
24 222	29,76

24 223	29,76
24 224	35,73
24 225	41,71

The storage tanks are approved to be put up outside a water pollution control area without drain pan or other possibilities to catch spills. Inside a water pollution control area you need to ask the water authorities responsible for the area in question.



Mod. T/R inkl. Palette



Please note:

Conforming to § WHG 19 I of German Federal Law an overflow prevention system is necessary when using a coupling (see page 92-94). Moreover, when storing waste oil a leakage warning system and an overflow prevention system is necessary conforming to § WHG 19 I of German Federal Law (see page 92-94).



Type ATR

Type FA/R

Storage and waste management tanks

The compact storage and transport tanks are used in the mineral oil industry, agriculture and business and are permitted for hazardous liquids of AIII VbF.

Licensed conforming to no. Z-40.21-29

A Transport licence conforming to GGV-street and GGV-railway of German Federal Law is available.

Basic version:

- Inner container is corrosion free
- Fully galvanised crimped outer container
- Assembly without additional drain pan
- Permitted for the transport of hazardous goods of packing group II and GF AIII
- Suitable for grease oil, hydraulic oil, heat carrier oil and waste oil of known origin AIII VbF

Model T/R 400* (no transport licence)

27 064 699,08

- Capacity 400 ltr., with pedestal, weight 50 kg
- Dim. approx. 730 x 700 x 1180 mm (L x W x H)

Model T/R 750* (no transport licence)

27 032 854,43

- Capacity 750 ltr., with pedestal, weight 72 kg
- Dim. approx. 980 x 760 x 1370 mm (L x W x H)

Model T/R 1000* (no transport licence)

27 033 1.069,53

- Capacity 1000 ltr., with pedestal, weight 94 kg
- Dim. approx. 1280 x 760 x 1370 mm (L x W x H)

Model T/R 1500* (no transport licence)

27 065 1.667,03

- Capacity 1500 ltr., with pedestal, weight 165 kg
- Dim. approx. 1630 x 755 x 1870 mm (L x W x H)

Model T/R 400 (with transport licence)

27 030 734,93

- Capacity 400 ltr., with palette, weight 55 kg
- Dim. approx. 730 x 700 x 1180 mm (L x W x H)

Model T/R 750 (with transport licence)

27 012 890,28

- Capacity 750 Ltr., with palette, weight 82 kg
- Dim. approx. 980 x 760 x 1370 mm (L x W x H)

Model T/R 1000 (with transport licence)

27 013 1.105,38

- Capacity 1000 Ltr., with palette, weight 110 kg
- Dim. approx. 1280 x 760 x 1370 mm (L x W x H)

Model T/R 1500 (with transport licence)

27 031 1.786,53

- Capacity 1500 Ltr., with palette, weight 165 kg
- Dim. approx. 1630 x 755 x 1870 mm (L x W x H)

Plus proportion of the cost for cargo for mod. T/R

Request

Accessories for tank T/R

Level indicator 400 ltr. type FA/R 400	27 125	47,68
Level indicator 750 ltr. type FA/R 750	27 126	47,68
Level indicator 1000 ltr. type FA/R 1000	27 127	47,68
Level indicator 1500 ltr. type FA/R 1500	27 128	47,68
Suction pipe type ATR 400	27 129	83,53
■ G 2" for waste oil T/R 400, incl. type TWK 90		
Suction pipe type ATR 750	27 130	95,48
■ G 2" for waste oil T/R 750, incl. type TWK 90		
Suction pipe type ATR 1000	27 131	95,48
■ G 2" for waste oil T/R 1000, incl. type TWK 90		
Suction pipe type ATR 1500	27 132	119,38
■ G 2" for waste oil T/R 1500, incl. type TWK 90		

The storage tanks are approved to be put up outside a water pollution control area without drain pan or other possibilities to catch spills. Inside a water pollution control area you need to ask the water authorities responsible for the area in question.



Mod. T/S



Mod. T/T 2000

Please note:

Conforming to § WHG 19 I of German Federal Law an overfill prevention system is necessary when using a coupling (see page 92-94). Moreover, when storing waste oil a leakage warning system and an overfill prevention system is necessary conforming to § WHG 19 I of German Federal Law (see page 92-94).



Type FA/S

Type ASR



Storage and waste management tanks mod. T/S

The tank is double-walled with a PE inner container. The outer container is made out of sheet steel, which is double-sided hot galvanised, it has 4 x 2" int. th.-openings, incl. steel-pipe pallet for transportation of hazardous goods conforming to package group II and GF AIII VbF.

Licensed conforming to no. Z-40.21-29

A Transport licence conforming to GGV-street and GGV-railway of German Federal Law is available.

Model T/S 700* (no transport licence)

Cap. 700 ltr., no palette, weight approx. 58 kg
Dim. approx. 1135 x 720 x 1010 mm (L x W x H)

Model T/S 1000* (no transport licence)

Cap. 1000 ltr., no palette, weight approx.82 kg
Dim. approx. 1135 x 720 x 1440 mm (L x W x H)

Mode T/S 700 (with transport licence)

Cap. 700 ltr., incl. palette, weight approx. 59 kg
Dim. approx. 1135 x 757 x 1210 mm (L x W x H)

Modell T/S 1000 (with transport licence)

Cap. 1000 ltr., incl. palette, weight approx. 83 kg
Dim. approx. 1135 x 757 x 1640 mm (L x W x H)

Additional freight costs models T/S

Storage and disposal tanks mod. T/T

Double walled tank, the inner- and outer-container is made out of PE. UV-stabilised with vertical buckstay, 4 x 2" int.th. opening, licensed for the storage of lubricates, Diesel and waste oil of hazardous goods class GF AIII VbF.

Model T/T 750 (no transport licence)

Cap.750 ltr., without palette, weight approx. 39 kg
Maße ca. 1190 x 660 x 1450 mm (L x W x B)

Model T/T 1000 (no transport licence)

Cap. 1000 ltr., without palette, weight approx. 50 kg
Maße ca. 1190 x 770 x 1700 mm (L x W x B)

Model T/T 1500 (no transport licence)

Cap. 1500 ltr., without palette, weight approx.79 kg
Maße ca. 1720 x 770 x 1700 mm (L x W x B)

Model T/T 2000 (no transport licence)

Cap. 2000 ltr., without palette, weight approx.145 kg
Maße ca. 2200 x 770 x 1700 mm (L x W x B)

Additional freight costs models T/T

Accessories for tank T/S

Level indicator 700 ltr. type FA/S 700

Level indicator 1000 ltr. type FA/S 1000

Suction pipe for waste oil, 700 ltr. type ASR 700

Suction pipe for waste oil, 1000 ltr. type ASR 1000

Accessories for Tank T/T

Level indicator for tanks T/T type FA/T

Suction pipe for waste oil, 750 ltr. type AT/T 750

Suction pipe for waste oil, 1000 ltr. type AT/T 1000

Suction pipe for waste oil, 1500 ltr. type AT/T 1500

Accessories for tank MT/MS (page 91)

Suction pipe type AMT 900

■ G 2" for waste oil tank MT 900

Suction pipe Type AMT 1300-2400

■ G 2" for waste oil tank M/T 1300-2400

part no.	price EUR
27 003	770,78
27 004	950,03
27 001	830,53
27 002	1.009,78
	Request
27 050	848,45
27 051	1.027,70
27 052	1.422,05
27 053	3.559,95
	Request
27 122	39,32
27 123	39,32
27 112	53,66
27 113	53,66
27 155	39,32
27 156	47,68
27 157	47,68
27 158	47,68
27 142	297,56
27 143	405,11



Oil Dispensing Sets incl. Tank

A ready-for-use oil dispenser set provides optimal oil supply using only little space. Moreover this oil dispenser complies with the requirements of the WHG. Available with can filling tables or automatic hose reel.

Basic model:

- Double-walled tank type T/S with transport authorisation
- Electric or pneumatic oil pumps
- Venting cap type EK
- Can filling table or hose reel with manual flow meter

Performance: (depending on degree of viscosity - see p. 240)

- **Pneumatic pump** max. 10 Ltr./min
- Air inlet pressure max. 8 bar (150 PSI)
- Type OP 90 D 35/1 incl. pressure reducer D/M 06 (Mod. KAS)
- Type OP 90 D 30/1 incl. pressure reducer D/M 06 (Mod. ÖAS)

- **Electrical pump** max. 10 Ltr./min
- Connection 230 V~, 50 Hz, 0.55 kW
- Type OP 140 E/1 (on-off-switch)
- With connecting cable and power plug

Model KAS 700 P (without ill.)

- 700 Ltr.-Tank T/S 700
- Pneum. Pump Type OP 90 D 35/1, incl. suction hose and pressure reducer
- Can filling table type KAS 1

Model KAS 1000 P

- Identical to model KAS 700 P, but with:
- 1000 Ltr.-Tank T/S 1000

Model KAS 700 E (without ill.)

- Identical to model KAS 700 P, but with:
- Elektr. pump type OP 140 E/1, incl. suction hose

Model KAS 1000 E (without ill.)

- Identical to model KAS 700 E, but with:
- 1000 Ltr.-Tank T/S 1000

Model ÖAS 700 P/1-SET

- 700 Ltr.-Tank T/S 700
- Pneum. pump type OP 90 D 30/1, incl. suction hose and pressure reducer
- Autom. hose reel type 9.10.12/1, 10 m, DN 12
- Manual flow meter type LCD 18/1

Model ÖAS 1000 P/1-SET (without ill.)

- Identical to model ÖAS 700 P/1-SET, but with:
- 1000 Ltr.-Tank T/S 1000

Model ÖAS 700 E/1-SET (without ill.)

- Identical to model ÖAS 700 P/1-SET, but with:
- Elektr. pump type OP 140 E/1, incl. suction hose

Model ÖAS 1000 E/1-SET (without ill.)

- Identical to model ÖAS 700 E/1-SET, but with:
- 1000 Ltr.-Tank T/S 1000

Assembly ready to connect for mod. KAS + ÖAS
Plus proportion of the cost for cargo for mod. KAS + ÖAS

199,-
Request

Accessories

Add.charge for press. switch for electr. pump type MD

- Assembly including pressure switch for ÖAM and ÖAS

Remote tank filling set type TFB-Set

- Accessory package for remote tank filling, consisting of:
- Overfill protection type ÜBF
- T-piece type T-50 and tank truck coupling type TWK 90

part no. price EUR

27 080 2.069,77

27 081 2.262,16

27 082 2.387,70

27 083 2.580,09

27 074 2.329,06

27 075 2.508,31

27 076 2.568,06

27 077 2.747,31

20 199 316,68

27 164 854,43



Mod. M/T

Please note:

Conforming to § WHG 19 I of German Federal Law an overflow prevention system is necessary when using a coupling (see page 92-94). These tanks can be put up without an additional drain pan and without any space between them or between tank and wall. They are as well useable without drain pan in a water pollution control area.



Mod. GS 995

Storage and waste tanks

These all-purpose double-walled steel storage tanks can be used for fresh oil, waste oil and other flammable (GF Alll VbF) and water polluting liquids (WGK 1 - 3)
Licensed conforming DIBT no. Z-38.12-41.

Basic version:

- Container made out of varnished, double walled steel
- Easily cleaned tank cover with 500 mm diameter, 6 x 2" sleeves
- Vakuu-meter for permanent leakage control and continuous display of content

Model M/T 900

- Capacity 900 ltr., weight approx. 200 kg
- Dim. approx. 1200 x 800 x 1140 mm (L x W x H)
- Entire height 1290 mm

Model M/T 1300

- Capacity 1300 ltr., weight approx. 260 kg
- Dim. approx. 1200 x 800 x 1600 mm (L x W x H)
- Entire height 1750 mm

Model M/T 2000

- Capacity 2000 Ltr., weight approx. 370 kg
- Dim. approx. 1800 x 800 x 1600 mm (L x W x H)
- Entire height 1750 mm

Model M/T 2400

- Capacity 2400 ltr., weight approx. 420 kg
- Dim. approx. 2200 x 800 x 1600 mm (L x W x H)
- Entire height 1750 mm

Add. charge waste oil accessories set type M/T-AS

- Incl. tank cover with suction pipe, filling pipe and ventilation cap

Plus proportion of the cost for cargo for mod. M/T

Storage tanks for Al VbF in the same dimensions as above available.

Licensed conforming DIBT no. Z-38.12.41

Storage container of hazardous goods

Collecting container for water polluting goods conforming German Federal Law VbF Al up to Alll and B for in and outside use. Only to be used by trained staff. Self closing funnel. The containers are resistant against the pressure of an explosion. They are double-walled and hot-galvanised with airing pipe, fuel level plunger and automatically closing 2" suction pipe with brass-safety thread. The filling pipe has a gas-tight ball valve.
Licence no: Z-38.12-59

Model GS 250

- Capacity 250 ltr., weight approx. 170 kg
- Dim. approx. 800 x 700 x 1200 mm (L x W x H)
- Manuel use of the funnel lid

Model GS 400

- Capacity 400 ltr., weight approx. 200 kg
- Dim. approx. 1200 x 1000 x 1025 mm (L x W x H)
- Manuel use of the funnel lid

Model GS 600

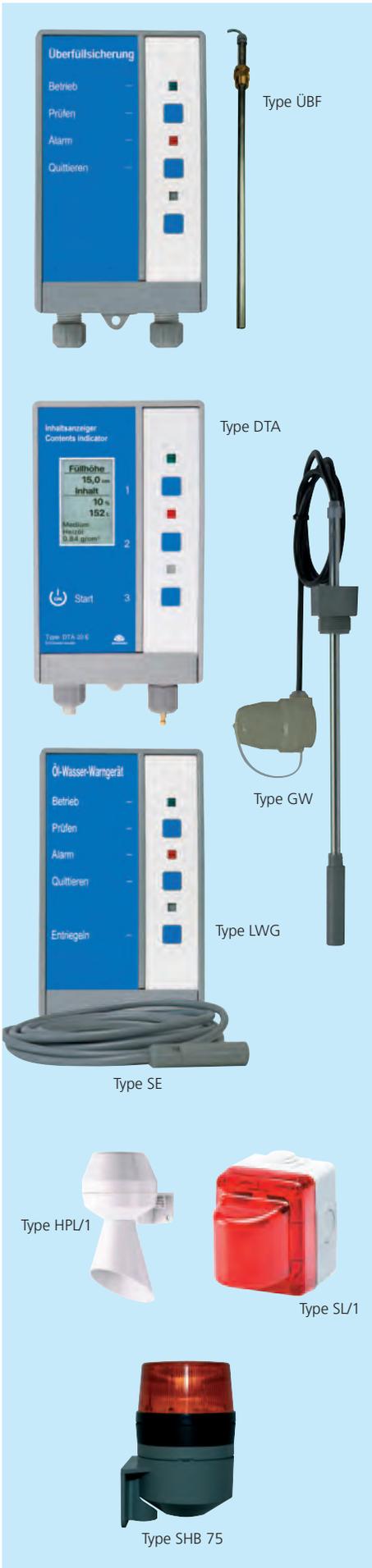
- Capacity 600 ltr., weight approx. 230 kg
- Dim. approx. 1200 x 1000 x 1210 mm (L x W x H)
- Use of funnel lid per pedal

Model GS 950

- Capacity 950 ltr., weight approx. 290 kg
- Dim. approx. 1450 x 1250 x 1230 mm (L x W x H)
- Use of funnel lid per pedal

Plus proportion of the cost for cargo for mod. GS

part no.	price EUR
27 005	4.176,53
27 007	4.535,03
27 010	5.491,03
27 011	6.805,53
27 162	596,31
	Request
27 044	6.566,53
27 045	7.044,53
27 046	7.761,53
27 047	8.717,53
	Request



For oil tanks T/S, T/R, T/C, M/T, M/S, E/T

Overfill prevention system type ÜBF

The system meets the WHG § 19 I requirements of German Federal Law for fresh and waste oil A III.

- Level sensor type 76 A, probe length 500 mm, Ø 16 mm connection 3/4"
- Level limiter type NB 220 QS with integrated alarm and quit devices. Signal lamp and buzzer give alarm signal. To quit the alarm press the quit button, which is as well the signal lamp. More connections for external signal devices are available
- Plastic housing protected by IP 40, emergency current, alternating current 230 V~, 50 Hz

Digital Level Indicator for Tank type DTA

Multipurpose level indicator for tank, for continuous level measuring

- Multipurpose use for container up to 4 m height
- Density from 0,5 up to 1,5 g/cm³, variably adjustable, therefore to be used for different liquids
- Digital display with background lighting
- Applied operation languages Englisch French, German
- Battery powered, no external supply voltage necessary
- Push-To-Read function: Quick start by keystroke
- Remote measurement

Limit indicator type GW

- Licenced for Diesel and fuel
- Protection IP 40

Leakage indicator type LWG

- For fresh and waste oil storage conforming GF A III VbF
- Warning unit with probe for level control
- With acustical and visual signal
- Protection IP 30

Probe optic-electronically type SE

- Licenced for engine oil
- Applicable only in connection with LWG
- Connection cable 10 m

Leakage indicator type LWG 5

- Identical with model LWG, but with
- For up to 5 tanks

Dry-running prevention type FLA (without ill.)

- Level switch for pump
- Warning unit with probe for level control
- With acustical and visual signal
- Protection IP 30

Signal horn type HPL/1

- For safty reasons to be connected to the overfill prevention system type ÜBF, ÜBF 1 or ÜBF 2
- 230 V~, protection IP 43, 92 dB

Signal lamp type SL/1

- Incl. bulb, red
- 230 V~, protection IP 55

Combination signal type SHB 75

- Signal horn, 92 dB / 1 m, 230 V~
- Flash light, orange

part no.	price EUR
27 100	651,28
27 163	388,38
27 103	83,65
27 104	460,08
27 124	125,48
27 147	651,28
24 148	352,53
27 105	113,53
27 106	53,78
27 160	197,18



For oil tanks T/S, T/R, M/T, M/S, E/T

Tank coupling type TWK 90

■ With blind lid, incl. 90° arch

Tank coupling type TWK 45

■ With blind lid, incl. 45° arch

Tank coupling type TK

■ With blind lid

Tank cover type TK/DN 20

■ Incl. double nipple 3/4" ex. th.

Tank cover type TK/SSK 20

■ Incl. quick coupling 3/4"

T-unit G 2" ex. th. type T-50

■ Incl. 90° angle, 2" (fifth 2" opening)

Ventilation cap type EK

■ Pipe 100 mm, G2"

Ventilation cap type EK-2

■ Pipe 600 mm, G2"

Suction hose detent type SG 20K

■ For G 2", plastic made, 2 ports, NPS 20 and NPS 08

Suction hose detent type SG 25K

■ For G 2", plastic made, 2 ports, NPS 25 and NPS 08

Suction hose detent type SG 20

■ For G 2", aluminium made, 2 ports, , NPS 20 and return port NPS 08

Suction hose detent type SG 25

■ For G 2", aluminium made, 2 ports, NPS 25 and return port NPS 08

Suction hose type SG 20-1.5

■ NPS 20, 1,5 m with bottom valve and filter

Suction hose type SG 20-2.5

■ NPS 20, 2,5 m with bottom valve and filter

Suction hose type SG 25-1,5

■ NPS 25, 1,5 m with bottom valve and filter

Suction hose type SG 25-2,5

■ NPS 25, 2,5 m with bottom valve and filter

Suction hose type SG 32-1,5

■ NPS 32, 1,5 m with bottom valve and filter

Suction hose type SG 32-2,5

■ NPS 32, 2,5 m with bottom valve and filter

3-way forced change-over type ZSG 20

■ For the assembling of two suction pipe, NPS 20

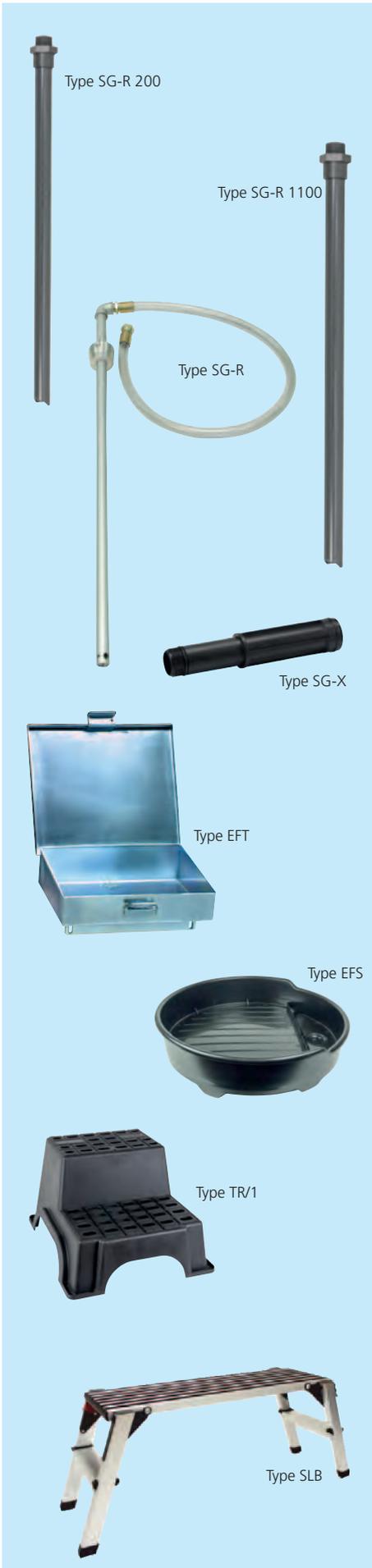
3-way forced change-over type ZSG 25

■ For the assembling of two suction pipe, NPS 25

3-way forced change-over type ZSG 32

■ For the assembling of two suction pipe, NPS 32

part no.	price EUR
27 108	106,36
27 138	106,36
27 137	58,56
27 153	106,36
27 154	142,21
27 109	94,41
27 110	29,88
27 139	65,73
20 515	24,98
20 731	24,98
20 516	116,99
20 732	116,99
20 511	98,59
20 512	111,73
20 525	124,88
20 618	136,83
20 710	230,04
20 711	256,33
20 513	221,08
20 674	280,83
20 720	340,58



For oil tanks T/S, T/R, M/T, M/S, E/T

Suction pipe type SG-R 60

- Suction pipe for 60 ltr.-barrel
- For pneumatic pumps OP 90 and OP 110

Suction pipe type SG-R 200

- Suction pipe for 200 ltr.-barrel
- For pneumatic pumps OP 90 and OP 110

Suction pipe type SG-R 800

- Suction pipe for tanks T/S 700 and T/R 400
- For pneumatic pumps OP 90 und OP 110

Suction pipe type SG-R 1100

- Suction pipe for tanks T/R 750 and T/R 1000
- For pneumatic pumps OP 90 und OP 110

Suction pipe type SG-R 1300

- Suction pipe for tanks T/S 1000
- For pneumatic pumps OP 90 und OP 110

Suction pipe type SG-R 1540

- Suction pipe for tanks T/R 1500
- For pneumatic pumps OP 90 und OP 110

Suction pipe type SG-R

- Suction pipe DN 20, 806 mm length
- Barrel screw connection, 2 m suction hose DN 20

Filling funnel type EFT

- Galvanised, G 2" ex. th., incl. sieve, with lock
- Dim. approx. 400 x 350 x 170 mm (L x W x H)

Pan Model EFS

- Plastic
- Drain G 2", incl. collection sieve
- Pan, Ø 600 mm
- For piling on top of 200 ltr. Barrel

Step type TR/1

- 2-steps
- Plastic
- Dim. approx. 600 x 360 x 360 mm (L x W x H)
- Weight approx. 3,0 kg

Safety platform type SLB

NEW

- Stable work platform made of aluminum, for safe use in workshop, including safety lock
- Foldable for easy transport and storage
- Load cap. up to 150 kg
- Stepping surface approx. 950 x 300 mm (l/w)
- Dim. approx. 1028 x 380 x 495 mm (l/w/h)
- Weight approx. 7,2 kg

part no.	price EUR
20 779	46,61
20 780	46,61
20 758	46,61
20 759	58,56
20 760	70,51
20 761	82,46
20 558	233,03
27 111	285,61
25 144	131,33
27 114	119,38
27 170	154,16

Calibratable Rapid Measurement plants for lubricants and anti-freeze are licensed for approval according to Certificate of EC-type examination, DE-16-MI005-PTB026.



Mod. OS 200 P

Please note:

Model regulated drain pans for storage of 200 ltr. barrels are shown on page 58.



Mod. OS 200 E-M

Oil cabinet

These oil cabinets are made out of varnished sheet steel and are designed to deliver oil, Diesel and similar fluids.

Basic version:

- Sturdy sheet steel cabinet with a lock
- Electrical or pneumatic pump
- 1,5 m suction hose, bottom valve and filter
- Oil connecting hose from pump to reel
- Automatic hose reel type 9.10.12/1, incl. 8 m hose, NPS 12
- Axial swivel joint for optimal use
- Hose end meter incl. outlet pipe and bracket
- Dim. approx. 700 x 700 x 1600 mm (L x W x H)
- Weight approx. 75 kg

Performance: (depending on degree of viscosity - (see page 230))

- **Pneumatic Pump** max. 10 ltr./min
- Air inlet pressure max. 8 bar (150 PSI)
- Type OP 90 D 30/1
- Type OP 90 D 30/1 E (**calibratable**)

- **Electrical pump** max. 10 ltr./min
- connection 230 V~, 50 Hz, 0,55 kW
- Type OP 140 ED (incl. pressure switch)
- Type OP 140 E/E (**calibratable**, on-off-switch)
- Type OP 140 ED/E (**calibratable**, incl. pressure switch)

Model OS 200 P, pneum. pump

- Pneum. pump type OP 90 D 30/1, incl. suction hose and pressure switch
- Flow meter, digital, type LCD 18/1
- Engine oil outlet, type AR-M
- **Not-calibratable**

Model OS 200 P/E, pneum. Pumpe

- Pneum. pump type OP 90 D 30/1 E, incl. suction hose and pressure switch
- Air separator, certificate of EC type examination
- Flow meter, digital, type LCD 18/1
- Engine oil outlet, type AR-M
- **Calibratable / according to MID**

Model OS 200 E, electr. pump

- Electr. pump OP 140 ED/1, incl. suction hose
- Pressure switch, cabled
- Flow meter, digital, type LCD 18/1
- Engine oil outlet, type AR-M
- **Not-calibratable**

Model OS 200 E/E, electr. Pumpe

- Electr. pump OP 140 ED/1, incl. suction hose
- Pressure switch, cabled
- Air separator, certificate of EC type examination
- Flow meter, digital, type LCD 18/1
- Engine oil outlet, type AR-M
- **Calibratable / according to MID**

Model OS 200 E-M, quantity preselection

- Electr. pump OP 140 ED/1, incl. suction hose
- Preselection via flow meter LCD 50
- Min. quantity preselection 0,1 ltr.
- Nozzle with outlet for engine oil, type AR-M
- **Not-calibratable**

Model OS 200, manual (without illustr.)

- Handpump capacity 0,25 ltr. / stroke
- Without hose and hose end meter
- **Not-calibratable**

part no.	price EUR
22 200	3.280,28
22 201	3.937,53
22 202	3.579,03
22 203	4.355,78
22 205	6.327,53
22 204	2.085,28



Type ÖAM 60/2

Mobile Trollies

These trollies are suitable for barrels of 60 or 200 ltr. They are made out of galvanized sheet steel in an ergonomic and solid design for daily use. Combinable with drain pans (see page 54).

Model ÖAM 60/2

These trollies are suitable for barrels of 60 ltr. They are made out of galvanized sheet steel in an ergonomic and solid design for daily use. Combinable with drain pans (see page 54).

- With drum and pump holder
- With 2 rollers Ø 150 mm and 2 steering rollers Ø 70 mm
- Storage space approx. 390 x 400 mm (L x B)
- Dim. approx. 460 x 490 x 970 mm (L x B x H), 12 kg

part no.

price EUR

22 152

185,23



Type ÖAM 200/2

Model ÖAM 200/2

These trollies are suitable for barrels of 200 ltr. They are made out of galvanized sheet steel in an ergonomic and solid design for daily use. Combinable with drain pans (see page 54).

- With drum and pump holder
- **Ergonomic, adjustable handle**
- with 2 rollers Ø 150 mm and 2 steering rollers Ø 70 mm
- Storage space approx. 600 x 620 mm (L x B)
- Dim. approx. 660 x 510 x 970 mm (L x W x H), 20 kg

22 153

316,68



Type ÖAM 200-2/2

Model ÖAM 200-2/2

These trollies are suitable for barrels of 200 ltr. They are made out of galvanized sheet steel in an ergonomic and solid design for daily use. Combinable with drain pans (see page 54).

- With drum and pump holder, pole and mounting bracket for pumps, hose reels or something similar
- with 2 rollers Ø 200 mm and 2 steering rollers Ø 150 mm
- Storage space approx. 630 x 620 mm (L x B)
- Dim. approx. 1000 x 680 x 970 mm (L x W x H), 40 kg

22 154

388,38



Oil dispenser 80 Ltr.

These mobile oil dispensers with the barrel capacity up to 80 ltr. are mainly designed for the network independent use. The oil is filled in the dispenser with the force of gravity and the help of a funnel out of 50, 60 or 200 ltr.-barrels. You may also use a decanting pump to fill the oil out of a tank into the dispenser.

The extraction takes place through former impingment by compressed air of the barrel or trough hand pumps and is network independent. You could also use a pneumatic pump even though this has to be network-dependent. The later version could be calibratable.

Basic version:

- Rugged container with 80 ltr. capacity
- 2 rollers and 2 steering rollers
- Funnel, Ø = 150 mm
- Dim. of the container without fittings 470 x 440 x 860 mm (L x W x H)
- Dead weight 30 kg

Model OSD 80

- Network-independent mode of operation through storage of compressed air, pressure gauge
- Max. 2,5 bar, impingment by air by pressure delimitter
- 2 m dispensing hose with nozzle ZP 12
- **Not calibratable**

Model OSD 80 Z (without illustr.)

- Identical with model OSD 80, but with
- Hose end meter LCD 18/1
- **Not calibratable**

Model OSD 80 B (without illustr.)

- Identical with model OSD 80, but with
- **Container filling by means of vacuum, hose length 3 m**
- **Not calibratable**

Model OSD 80 BZ (without illustr.)

- Identical with model OSD 80 B, but with
- Hose end meter LCD 18 U
- **Not calibratable**

Model OSG 80 HP (without illustr.)

- Basic version, but with
- Hose lever pump model 13012 with 1,5 m hose and gear oil outlet
- **Not calibratable**

Model OSG 80 K

- Basic version, but with
- Crank pump model HP 100
- **Not calibratable**

Model OSG 80 P (without illustr.)

- Basic version, but with
- Pneum. oil pump model OP 90 D 30/1
- 2 m dispensing hose with nozzle ZP 12
- **Not calibratable**

Model OSG 80 PZ

- Identical with model OSG 80 P, but with
- Hose end meter LCD 18/1
- **Not calibratable**

Model OSG 80 PZ/E (without illustr.)

- Identical with model OSG 80 P, but with
- Pneum. oil pump model OP 90 D 30/1/E
- Hose end meter LCD 18 E
- **Calibratable / according to MID**

part no.	price EUR
22 112	627,38
22 113	866,38
22 130	977,38
22 131	1.216,35
22 114	412,28
22 115	507,88
22 116	926,13
22 117	1.189,03
22 118	1.667,03

Please note:

Model regulated drain pans for storage of 200 ltr. barrels are shown on page 58.



Mod. ÖAM 200/2 ZP



Mod. ÖAM 200/2 SZP/E



Mod. ÖAM 200/2 SZE

Mobile version

This mobile version set is designed for 200 ltr. barrels and is available in a calibratable or non-calibratable version. Barrels can be changed fast and easy due to a low load floor.

Basic version:

- Rugged base frame type ÖAM 200-2/1 with 2 rollers and 2 steering rollers
- Electrical or pneumatic oil pump
- 2 m oil dispensing hose, NPS 12
- Hose end meter incl. outlet pipe and bracket

Performance: (depending on degree of viscosity - see p. 240)

- **Pneumatic pump** max. 10 Ltr./min
- Air inlet pressure max. 8 bar (150 PSI)
- type OP 90 D 30/1

- **Electrical pump** max. 10 Ltr./min
- Connection 230 V~, 50 Hz, 0,55 kW
- Type OP 140 E/1 (on-off-switch)
- Type OP 140 ED/1 (pressure switch in addition of surcharge available)
- With connecting cable and power plug

Model ÖAM 200/2 ZP, pneum. pump

- Pneum. pump type OP 90 D 30/1, incl. suction pipe
- Hose end meter type LCD 18/1
- Dim. approx. 1005 x 760 x 1000 mm (L x W x H), 46 kg
- **Not calibratable**

Model ÖAM 200/2 SZP, pneum. pump

- Identical with Model ÖAM 200 ZP, but with:
- Autom. hose reel type 9.10.12, 10 m, NPS12
- Dim. approx. 1005 x 760 x 1000 mm (L x W x H), 56 kg
- **Not calibratable**

Model ÖAM 200/2 ZP/E, pneum. pump

- Pneum. pump type OP 90 D 30/1, incl. suction pipe
- Air separator, Certificate of EC-type examination
- Hose end meter type LCD 18 E
- Dim. approx. 1005 x 760 x 1000 mm (L x W x H), 48 kg
- **Calibratable / according to MID**

Model ÖAM 200/2 SZP/E, pneum. pump

- Identical with model ÖAM 200 ZP/E, but with:
- Autom. hose reel type 9.10.12, 10 m, NPS12
- Dim. approx. 1005 x 760 x 1000 mm (L x W x H), 58 kg
- **Calibratable / according to MID**

Model ÖAM 200/2 ZE, electr. pump

- Electr. pump type OP 140 E, incl. suction pipe
- Hose end meter type LCD 18/1
- Dim. approx. 1005 x 760 x 1000 mm (L x W x H), 48 kg
- **Not calibratable**

Model ÖAM 200/2 SZE, electr. pump

- Identical with model ÖAM 200 ZE, but with:
- Autom. hose reel type 9.10.12, 10 m, NPS12
- Dim. approx. 1005 x 760 x 1000 mm (L x W x H), 58 kg
- **Not calibratable**

Model ÖAM 200/2 ZE/E, electr. pump

- Electr. pump type OP 140 E/E, incl. suction pipe
- Air separator, Certificate of EC-type examination
- Hose end meter type LCD 18 E
- Dim. approx. 1005 x 760 x 1000 mm (L x W x H), 50 kg
- **Calibratable / according to MID**

Model ÖAM 200/2 SZE/E, electr. pump

- Identical with model ÖAM ZE/E, but with:
- Autom. hose reel type 9.10.12, 10 m, NPS12
- Dim. approx. 1005 x 760 x 1000 mm (L x W x H), 60 kg
- **Calibratable / according to MID**

part no.

price EUR

22 100

1.248,78

22 101

1.762,63

22 102

1.762,63

22 103

2.145,03

22 104

1.523,63

22 105

2.001,63

22 106

2.001,63

22 107

2.360,13

Calibratable Rapid Measurement plants for lubricants and anti-freeze are licensed for approval according to Certificate of EC-type examination, DE-16-MI005-PTB026.



Inkl. D/M 06



Mod. ÖAM 60/2 ZP



Mod. ÖAM 60/2 ZE

Mobile Version

This mobile version set is designed for 50-60 ltr. barrels and is available in a calibratable or non-calibratable version. Barrels can be changed fast and easy due to a low load floor.

Basic version:

- Rugged base frame type ÖAM 60/1 with 2 rollers and 2 steering rollers
- Electrical or pneumatic oil pump
- 2 m oil dispensing hose, NPS 12
- Hose end meter incl. outlet pipe and bracket

Performance: (depending on degree of viscosity - see p. 240)

- **Pneumatic pump** max. 10 Ltr./min
- Air inlet pressure max. 8 bar (150 PSI)
- Type OP 90 D 30/1 incl. pressure reducer D/M 06

- **Electrical pump** max. 10 Ltr./min
- Connection 230 V~, 50 Hz, 0,55 kW
- Type OP 140 E/1 (on-off-switch)
- Type OP 140 ED/1 (pressure switch in addition of surcharge available)
- With connecting cable and power plug

Model ÖAM 60/2 ZP, pneum. pump

- Pneum. pump Type OP 90 D 30/1, incl. suction pipe
- Hose end meter type LCD 18/1
- Dim approx. 460 x 490 x 970 mm (L x W x H), 20 kg
- **Not calibratable**

Model ÖAM 60/2 ZP/E, pneum. pump

- Pneum. pump type OP 90 D 30/1, incl. suction pipe
- Air separator, certificate of EC-type examination
- Hose end meter type LCD 18 E
- Dim approx. 460 x 490 x 970 mm (L x W x H), 22 kg
- **Calibratable / according to MID**

Model ÖAM 60/2 ZE, electr. pump

- Electr. pump type OP 140 E, incl. suction pipe
- Hose end meter type LCD 18/E
- Dim. approx. 460 x 490 x 970 mm (L x W x H), 24 kg
- **Not calibratable**

Model ÖAM 60/2 ZE/E, electr. pump

- Electr. pump type OP 140 E/E, incl. suction pipe
- Air separator, certificate of EC-type examination
- Hose end meter type LCD 18 E
- Dim. approx. 460 x 490 x 970 mm (L x W x H), 26 kg
- **Calibratable / according to MID**

**Assembly ready to connect for ÖAM
Additional freight charges for ÖAM**

Add.charge for press. switch for electr. pump type MD

- Assembly including pressure switch for ÖAM and ÖAS

part no.

price EUR

22 109

1.045,63

22 108

1.523,63

22 110

1.260,73

22 111

1.738,73

149,-
Request

20 199

316,68



Mod. ÖAS 200 ZE



Mod. ÖAS 200 SZP



Mod. ÖAS 200 SZE

Please note:

Model regulated drain pans for storage of 200 ltr. barrels are shown on page 58.

Stationary version

These compact and handy version is suitable for 200 ltrs. barrels. It facilitates a comfortable oil supply within a radius of 10 m.

Performance: (depending on degree of viscosity - see p. 240)

- **Pneumatic pump** max. 10 Ltr./min
- Air inlet pressure max. 8 bar (150 PSI)
- Type OP 90 D 30/1 incl. pressure reducer D/M 06

- **Electrical pump** max. 10 Ltr./min
- Connection 230 V~, 50 Hz, 0,55 kW
- Type OP 140 E/1 (on-off-switch)
- Type OP 140 ED/1 (pressure switch for additional charge)
- With connecting cable and power plug

Model ÖAS 200 ZP, pneum. pump

- Pneum. pump type OP 90 D 30/1, incl. suction pipe
- Oil dispensing hose type ÖVS 05.12, 5 m, NPS 12
- Hose end meter, digital, Type LCD 18/1
- **Not calibratable**

Model ÖAS 200 SZP, pneum. pump

- Pneum. pump type OP 90 D 30/1, incl. suction pipe
- Automatic hose reel Type 9.10.12, 10 m, NPS 12
- Hose end meter, digital, type LCD 18/1
- **Not calibratable**

Model ÖAS 200 ZE, electr. pump

- Electr. pump type OP 140 E
- Oil dispensing hose type ÖVS 05.12, 5 m, NPS 12
- Hose end meter, digital, type LCD 18/1
- **Not calibratable**

Model ÖAS 200 SZE, electr. pump

- Electr. pump type OP 140 E
- Automatic hose reel type 9.10.12, 10 m, NPS 12
- Hose end meter, digital, type LCD 18/1
- **Not calibratable**

Assembly ready to connect for ÖAS 200

99,-

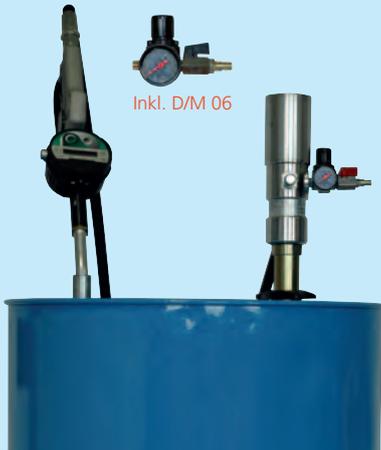
Accessories

Add.charge for press. switch for electr. pump type MD

- Assembly including pressure switch for ÖAM and ÖAS

part no.	price EUR
22 015	770,78
22 001	1.308,53
22 017	1.009,78
22 003	1.547,53
20 199	316,68

Calibratable Rapid Measurement plants for lubricants and anti-freeze are licensed for approval according to Certificate of EC-type examination, DE-16-MI005-PTB026.



Mod. ÖAS 200 ZP/E



Mod. ÖAS 200 SZP/E



Mod. ÖAS 200 SZE/E

Please note:

Model regulated drain pans for storage of 200 ltr. barrels are shown on page 58.

Stationary version

These compact and handy version is suitable for 200 ltrs. barrels. It facilitates a comfortable oil supply within a radius of 10 m.

Performance: (depending on degree of viscosity - see p. 240)

- **Pneumatic pump** max. 10 Ltr./min
- Air inlet pressure max. 8 bar (150 PSI)
- Type OP 90 D 30/1 E (calibratable)
- **Electrical pump** max. 10 Ltr./min
- Connection 230 V~, 50 Hz, 0,55 kW
- Type OP 140 E/1 (on-off-switch)
- Type OP 140 ED/1 (pressure switch for additional charge)
- With connecting cable and power plug

Model ÖAS 200 ZP/E, pneum. pump

- Pneum. pump type OP 90 D 30/1, incl. suction pipe
- Air separator, certificate of EC-type examination
- Oil dispensing hose type ÖVS 05.12, 5 m, NPS 12
- Hose end meter, digital, type LCD 18 E
- **Calibratable / according to MID**

Model ÖAS 200 SZP/E, pneum. pump

- Pneum. pump type OP 90 D 30/1, incl. suction pipe
- Air separator, certificate of EC-type examination
- Automatic hose reel type 9.10.12, 10 m, NPS 12
- Hose end meter, digital, type LCD 18 E
- **Calibratable / according to MID**

Model ÖAS 200 ZE/E, electr. pump

- Electr. pump type OP 140 E/E
- Air separator, certificate of EC-type examination
- Oil dispensing hose Type ÖVS 05.12, 5 m, NPS 12
- Hose end meter, digital, type LCD 18 E
- **Calibratable / according to MID**

Model ÖAS 200 SZE/E, electr. pump

- Electr. pump type OP 140 E/E
- Air separator, certificate of EC-type examination
- Autom. hose reel type 9.10.12, 10 m, NPS 12
- Hose end meter, digital, type LCD 18 E
- **Calibratable / according to MID**

Assembly ready to connect for ÖAS 200

Accessories

Add.charge for press. switch for electr. pump type MD

- Assembly including pressure switch for ÖAM and ÖAS

part no.	price EUR
22 016	1.129,28
22 002	1.786,53
22 018	1.368,28
22 004	1.906,03
	99,-
20 199	316,68



Stationary Version

A ready-for-use oil dispenser set provides optimal oil supply using only little space. Moreover this oil dispenser complies with the requirements of the WHG.

Basic model for T/S-tank or T/R-tank

- Rugged mounting plate for the tank
- Electrical or pneumatic oil pump
- Suction hose going from the pump to the reel
- Axial swivel joint for optimise the use
- Hose end meter
- Engine oil outlet with anti-drip nozzle
- Bracket for hose end meter
- Delivery does not include tank (see page 80)

Performance: (depending on degree of viscosity - see p. 240)

- **Pneumatic pump** max. 10 Ltr./min
- Air inlet pressure max. 8 bar (150 PSI)
- Type OP 90 D 30/1 incl. pressure reducer D/M 06

- **Electrical pump** max. 10 Ltr./min
- Connection 230 V~, 50 Hz, 0.55 kW
- Type OP 140 E/1 (on-off-switch)
- Type OP 140 ED/1 (pressure switch for additional charge available)
- With connecting cable and power plug

Model ÖAS P, pneum. pump

- Pneum. pump type OP 90 D 30/1, incl. suction hose and pressure reducer
- 5 m dispensing hose, NPS 12, swivel joint
- Hose end meter type LCD 18/1
- For 700 ltr. or 1000 ltr. tank T/S or T/R
- **Not calibratable**

Model ÖAS E, electr. pump

- Electr. pump type OP 140 E/1, incl. suction hose
- On-off-switch
- 5 m dispensing hose, NPS 12, swivel joint
- Hose end meter type LCD 18/1
- For 700 ltr. or 1000 ltr. tank T/S or T/R
- **Not calibratable**

Model ÖAS 1000 P, pneum. pump

- Pneum. pump type OP 90 D 30/1, incl. suction hose and pressure reducer
- Automatic hose reel type 9.10.12, 10 m, NPS 12, swivel joint
- Hose end meter type LCD 18/1
- For 700 ltr. or 1000 ltr. tank T/S or T/R
- **Not calibratable**

Model ÖAS 1000 E, electr. pump

- Electr. pump type OP 140 E/1, incl. suction hose
- Wired pressure switch for additional charge available
- Automatic hose reel type 9.10.12, 10 m, NPS 12, swivel joint
- Hose end meter type LCD 18/1
- For 700 ltr. or 1000 ltr. tank T/S or T/R
- **Not calibratable**

Assembly ready to connect for ÖAS 1000

Accessories

Add.charge for press. switch for electr. pump type MD

- Assembly including pressure switch for ÖAM and ÖAS

part no. price EUR

22 005 890,28

22 006 1.129,28

22 007 1.428,03

22 009 1.667,03

Request

20 199 316,68

Calibratable Rapid Measurement plants for lubricants and anti-freeze are licensed for approval according to Certificate of EC-type examination, DE-16-MI005-PTB026.



Mod. ÖAS E/E



Inkl. D/M 06

Mod. ÖAS 1000 P/E



Mod. ÖAS 1000 E/E

Stationary version

A ready-to-use oil dispenser set provides optimal oil supply using only little space. Moreover this oil dispenser complies with the requirements of the WHG.

Basic model for T/S-tank or T/R-tank

- Sturdy mounting plate
- Electrical or pneumatic pump
- Air separator, certificate of EC-type examination
- Oil connecting hose between pump and reel
- Automatic hose reel incl. 10 m hose DN 12
- Swivel joint to optimise the use
- Hose end meter
- Engine oil outlet with anti-drip nozzle
- Hose end meter bracket
- Tank is not included (see page 80)

Performance: (depending on degree of viscosity - see p. 240)

- **Pneumatic pump** max. 10 ltr./min
- Air inlet pressure max. 8 bar (150 PSI)
- Type OP 90 D 30/1 E (air separator, calibratable)
- **Electrical pump** max. 10 ltr./min
- Connection 230 V~, 50 Hz, 0,55 kW
- Type OP 140 ED/E (calibratable, pressure switch for additional charge available)
- Type OP 140 E/E (calibratable, on-off-switch)
- With connecting cable and power plug

Model ÖAS P/E, pneum. pump

- Pneum. pump type OP 90 D 30/1, incl. suction hose and pressure reducer
- Air separator, Certificate of EC-type examination
- Dispensing hose 5 m DN 12, swivel joint
- Hose end meter type LCD 18 E
- For 700 ltr.- or 1000 ltr.-tank T/S or T/R
- **Calibratable / according to MID**

Model ÖAS E/E, electr. pump

- Electr. pump type OP 140 E/E, incl. suction hose
- Air separator, certificate of EC-type examination
- Dispensing hose 5 m DN 12, swivel joint
- Hose end meter type LCD 18 E
- For 700 ltr.- or 1000 ltr.-tank T/S or T/R
- **Calibratable / according to MID**

Model ÖAS 1000 P/E, pneum. pump

- Pneum. pump type OP 90 D30/1 E, incl. suction hose and pressure reducer
- Air separator, certificate of EC-type examination
- Automatic hose reel type 9.10.12, 10 m, NPS 12, swivel joint
- Hose end meter type LCD 18 E
- For 700 ltr.- or 1000 ltr.-tank T/S or T/R
- **Calibratable / according to MID**

Model ÖAS 1000 E/E, electr. pump

- Electr. pump type OP 140 E/E, incl. suction hose
- Air separator, certificate of EC-type examination
- Automatic hose reel type 9.10.12, 10 m, NPS 12, swivel joint
- Hose end meter type LCD 18 E
- For 700 ltr.- or 1000 ltr.-tank T/S or T/R
- **Calibratable / according to MID**

Assembly ready to connect for ÖAS 1000

Accessories

Add.charge for press. switch for electr. pump type MD

- Assembly including pressure switch for ÖAM and ÖAS

part no.	price EUR
22 019	1.308,53
22 020	1.547,53
22 011	1.786,53
22 013	2.025,53
	Request
20 199	316,68



Mobile Version

This mobile oil dispenser set truck is designed for use with 200 l barrel, available in calibratable and non-calibratable version. The low levelled loading floor makes barrel change easy and fast.

Basic version :

- Solid trolley type ÖAM 200/2 or ÖAM 200-s/2 with 2 wheels and 2 castors
- Electric or pneumatic oil pump
- 2 m oil dispensing hose DN 16
- Digital flow meter (6-60 ltr./min.) incl. outlet pipe and holder

Performance: (depending on degree of viscosity - see p. 240)

- **Pneumatic pump** max. 15 ltr./Min
- Air inlet pressure max. 8 bar (160 PSI)
- Type OP 110 D 30/1 (1:3) incl. pressure reducer D/M 06

- **Electrical pump** max. 14 Ltr./min
- Connection 230 V~, 50 Hz, 1,1 kW
- Type OP 145 E/1 (on-off-switch)
- Type OP 145 ED/1 (pressure switch for additional charge available)
- With connecting cable and power plug

Model TÖAM 200/2 ZP, pneum. Pump

part no. 22 155 **price EUR** 1.607,28

- Pneum. pump type OP 110 D30/1, incl. suction pipe
- Digital flow meter type LCD 19
- Dim. approx. 920 x 780 x 1000 mm (L x W x H), 46 kg
- **Non-calibratable**

Model TÖAM 200/2 SZP, pneum. pump

part no. 22 156 **price EUR** 2.204,78

- Identical to model TÖAM 200/2 UP but with
- Automatic hose reel type 9.10.16/1, 10 m DN 16
- Dim. approx. 920 x 780 x 1000 mm (L x W x H), 46 kg
- **Non-calibratable**

Model TÖAM 200/2 ZE, electr. pump

part no. 22 159 **price EUR** 1.846,28

- Electr. pump type OP 145 E/1, incl. 1" suction hose
- Digital flow meter type LCD 19
- Dim. approx. 920 x 780 x 1000 mm (L x W x H), 48 kg
- **Non-calibratable**

Model TÖAM 200/2 SZE, electr. pump

part no. 22 160 **price EUR** 2.443,78

- Identical to model TÖAM 200/2 ZE but with
- Automatic hose reel type 9.10.16/1, 10 m DN 16
- Dim. approx. 920x780x1000 mm (L x W x H), 48 kg
- **Non-calibratable**

Extra charge for assembling ready to use

Request

Accessories

Add.charge for press. switch for electr. pump type MD

part no. 20 199 **price EUR** 316,68

- Assembly including pressure switch for ÖAM and ÖAS



Mod. TÖAM 200/2 ZP/E



Inkl. D/M 06



Mod. TÖAM 200/2 SZP/E



Mod. TÖAM 200/2 SZE/E

Mobile Version

This mobile oil dispenser set truck is designed for use with 200 l barrel, available in calibratable and non-calibratable version. The low levelled loading floor makes barrel change easy and fast.

Basic version :

- Solid trolley type ÖAM 200/2 or ÖAM 200-s/2 with 2 wheels and 2 castors
- Electric or pneumatic oil pump
- 2 m oil dispensing hose DN 16
- Digital flow meter (6-60 ltr./min.) incl. outlet pipe and holder

Performance: (depending on degree of viscosity - see p. 240)

- **Pneumatic pump** max. 15 ltr./Min
- Air inlet pressure max. 8 bar (160 PSI)
- Type OP 110 D 30/1 (1:3) incl. pressure reducer D/M 06

- **Electrical pump** max. 14 Ltr./min
- Connection 230 V~, 50 Hz, 1,1 kW
- Type OP 145 E/1 (on-off-switch)
- Type OP 145 ED/1 (pressure switch for additional charge available)
- With connecting cable and power plug

Model TÖAM 200/2 ZP/E, pneum. Pump

22 157

1.965,78

- Pneum. pump type OP 110 D30/1, incl. suction pipe
- Air separator, certificate of EC type examination
- Digital flow meter type LCD 18/E
- Dim. approx. 920 x 780 x 1000 mm (L x W x H), 46 kg
- **Calibratable / according to MID**

Model TÖAM 200/2 SZP/E, pneum. pump

22 158

2.563,28

- Identical to model TÖAM 200/2 ZP but with
- Automatic hose reel type 9.10.16/1, 10 m DN 16
- Dim. approx. 920 x 780 x 1000 mm (L x W x H), 46 kg
- **Calibratable / according to MID**

Model TÖAM 200/2 ZE/E, electr. pump

22 161

2.204,78

- Electr. pump type OP 145 E/1, incl. 1" suction
- Air separator, certificate of EC type examination
- Digital flow meter type LCD 18/E
- Dim. approx. 920 x 780 x 1000 mm (L x W x H), 46 kg
- **Calibratable / according to MID**

Model TÖAM 200/2 SZE/E, electr. pump

22 162

3.041,28

- Identical to model TÖAM 200/2 ZE but with
- Automatic hose reel type 9.10.16/1, 10 m DN 16
- Dim. approx. 920 x 780 x 1000 mm (L x W x H), 46 kg
- **Calibratable / according to MID**

Extra charge for assembling ready to use

Request

Accessories

Add.charge for press. switch for electr. pump type MD

20 199

316,68

- Assembly including pressure switch for TÖAM and TÖAS



Inkl. D/M 06

Mod. TÖAS 200 ZP



Mod. TÖAS 200 ZE



Mod. TÖAS 200 SZE

Please note:

Model regulated drain pans for storage of 200 ltr. barrels are shown on page 58.

Stationary version

For mounting on 200 ltr. barrel. For an operation area up to 10 m in comfortable and practical design.

Basic type:

- Electric or pneumatic oil pump
- 5 m oil dispensing hose DN 16
- Digital flow meter (6-60 ltr./min.) incl. outlet pipe and holder

Performance: (depending on degree of viscosity - see p. 240)

- **Pneumatic pump** max. 15 ltr./Min
- Air inlet pressure max. 8 bar (160 PSI)
- Type OP 110 D 30/1 (1:3) incl. pressure reducer D/M 06
- **Electrical pump** max. 14 Ltr./min
- Connection 230 V~, 50 Hz, 1,1 kW
- Type OP 145 E/1 (on-off-switch)
- Type OP 145 ED/1 (pressure switch for additional charge available)
- With connecting cable and power plug

Model TÖAS 200/2 ZP, pneum. Pump

- Pneum. pump type OP 110 D30/1, incl. suction pipe
- Dispensing hose type ÖVS 05.16, 5 m, NPS 16
- Digital flow meter type LCD 19
- **Non-calibratable**

Model TÖAS 200/2 SZP, pneum. pump

- Pneum. pump type OP 110 D30/1, incl. suction pipe
- Automatic hose reel type 9.10.16/1, 10 m NPS 16
- Digital flow meter type LCD 19
- **Non-calibratable**

Model TÖAS 200/2 ZE, electr. pump

- Electr. pump type OP 145 E/1, incl. 1" suction hose
- Dispensing hose type ÖVS 05.16, 5 m, NPS 16
- Digital flow meter type LCD 19
- **Non-calibratable**

Model TÖAS 200/2 SZE, electr. pump

- Electr. pump type OP 145 E/1, incl. 1" suction hose
- Automatic hose reel type 9.10.16/1, 10 m NPS 16
- Digital flow meter type LCD 19
- **Non-calibratable**

Extra charge for assembling ready to use

Request

Accessories

Add. charge for press. switch for electr. pump type MD

- Assembly including pressure switch for ÖAM and ÖAS

part no. price EUR

22 167 1.165,13

22 168 1.762,63

22 169 1.404,13

22 170 2.001,63

20 199 316,68



Mod. TÖAS 200 ZP/E



Mod. TÖAS 200 ZE/E

Stationary version

For mounting on 200 ltr. barrel. For an operation area up to 10 m in comfortable and practical design. Calibratable RAPID measuring devices for lubricants and anti-freeze are approved for calibration according the certificate of EC type examination DE-16-MI005-PTB026.

Basic type:

- Electric or pneumatic oil pump
- 5 m oil dispensing hose DN 16
- Digital flow meter (6-60 ltr./min.) incl. outlet pipe and holder

Performance: (depending on degree of viscosity - see p. 240)

- Pneumatic pump max. 10 ltr./Min
- Air inlet pressure max. 8 bar (150 PSI)
- Type OP 110 D 30/1 E (1:3) (calibratable) incl. pressure reducer
- Electrical pump max. 10 Ltr./min
- Connection 230 V~, 50 Hz 1,1 kW
- Type OP 145 E/E/1 (on-off-switch, calibratable)
- Type OP 145 ED/E/1 (calibratable, pressure switch for additional charge)
- With connecting cable and power plug

Model TÖAS 200/2 ZP/E, pneum. Pump

- Pneum. pump type OP 110 D 30/1 E, incl. suction pipe
- Air separator, certificate of EC type examination
- Oil dispensing hose type ÖVS 05.12, 5 m, NPS 12
- Flow meter type LCD 18/E
- Calibratable / according to MID

Model TÖAS 200/2 SZP/E, pneum. pump

- Pneum. pump type OP 110 D 30/1 E, incl. suction pipe
- Air separator, certificate of EC type examination
- Automatic hose reel type 9.10.16/1, 10 m DN 16
- Flow meter type LCD 18/E
- Calibratable / according to MID

Model TÖAS 200/2 ZE/E, electr. pump

- Electr. pump type OP 145 E/1, incl. 1" suction hose
- Air separator, certificate of EC type examination
- Oil dispensing hose type ÖVS 05.16, 5 m, NPS 16
- Flow meter type LCD 18/E
- Calibratable / according to MID

Model TÖAM 200/2 SZE/E, electr. pump

- Electr. pump type OP 145 E/1, incl. 1" suction hose
- Air separator, certificate of EC type examination
- Automatic hose reel type 9.10.16/1, 10 m DN 16
- Flow meter type LCD 18/E
- Calibratable / according to MID

Extra charge for assembling ready to use

Accessories

Add.charge for press. switch for electr. pump type MD

- Assembly including pressure switch for TÖAM and TÖAS

part no. price EUR

22 171 1.523,63

22 172 2.121,13

22 173 1.762,63

22 174 2.360,13

Request

20 199 316,68

Please note:

Model regulated drain pans for storage of 200 ltr. barrels are shown on page 58



Mod. TÖAS P

Mod. TÖAS 1000 E

Stationary Version

A ready to oil dispensing set enables an optimized oil supply and meets all requirements of German rule WHG (water protection).

Basic version for T/S tank or T/R tank

- Solid mounting bracket
- Electric or pneumatic pump
- Flexible oil connection from pump to hose reel
- Oil swivel joint for easy operation
- Flow meter (6-60 ltr/min)
- Engine oil spout with anti-drip nozzle
- Holder for flow meter
- Tank is not included in delivery (see page 80)

Performance: (depending on degree of viscosity - see p. 240)

- **Pneumatic pump** max. 15 ltr./Min
- Air inlet pressure max. 8 bar (160 PSI)
- Type OP 110 D 30/1 (1:3) incl. pressure reducer D/M 06
- **Electrical pump** max. 14 Ltr./min
- Connection 230 V~, 50 Hz, 1,1 kW
- Type OP 145 E/1 (on-off-switch)
- Type OP 145 ED/1 (pressure switch for additional charge available)
- With connecting cable and power plug

Model TÖAS P, pneum. pump

- Pneumatic pump type OP 110 D 30/1 incl. suction hose and pressure reducer
- 5 m dispensing hose NPS 16, oil swivel joint
- Flow meter type LCD 19
- For 700 ltr. or 1000 ltr. tank T/S or T/R
- **Non-calibratable**

Model TÖAS E electr. pump

- Electr. pump type OP 145 E/1 including suction hose
- On/off switch
- 5 m dispensing hose NPS 16, oil swivel joint
- Flow meter type LCD 19
- For 700 ltr or 1000 ltr tank T/S or T/R
- **Non-calibratable**

Model TÖAS 1000 P, pneum. pump

- Pneum. pump type OP 110 D 30/1 incl. suction hose and pressure reducer
- Automatic hose reel type 9.10.16/1 10 m NPS 16, oil swivel joint
- Flow meter type LCD 19
- For 700 ltr. or 1000 ltr. tank T/S or T/R
- **Non-calibratable**

Modell TÖAS 1000 E, elektr. Pumpe

- Electr. pump type OP 145 E/1 including suction hose
- Cabled pressure switch for an add. charge
- Automatic hose reel type 9.10.16/1, 10 m, NPS 16, Öldrehgelenk
- Flow meter type LCD 19
- For 700 ltr. or 1000 ltr. tank T/S or T/R
- **Non-calibratable**

Extra charge for assembling ready to use

Request

Accessories

Add.charge for press. switch for electr. pump type MD

- Assembly including pressure switch for TÖAM and TÖAS

part no. price EUR

22 175 1.284,63

22 176 1.583,38

22 177 1.882,13

22 178 2.180,88

20 199 316,68



Mod. TÖAS E/E



Mod. TÖAS 1000 P/E

Inkl. D/M 06

Stationary Version

A ready to oil dispensing set enables an optimized oil supply. Calibratable RAPID measuring devices for lubricants and anti-freeze are approved for calibration according the certificate of EC type examination DE-16-MI005-PTB026.

Basic version for T/S tank or T/R tank

- Solid mounting bracket
- Electric or pneumatic pump
- Air separator, certificate of EC type examination
- Flexible oil connection from pump to hose reel
- Autom. hose reel incl. 8 m hose NPS 16
- Oil swivel joint for easy operation
- Flow meter (6-60 ltr/min)
- Engine oil spout with anti-drip nozzle
- Holder for flow meter
- Tank is not included in delivery (see page 80)

Performance: (depending on degree of viscosity - see p. 240)

- **Pneumatic pump** max. 10 ltr./Min
- Air inlet pressure max. 8 bar (150 PSI)
- Type OP 110 D 30/1 E (1:3) (air separator, caribratable)
- **Electrical pump** max. 10 Ltr./min
- Connection 230 V~, 50 Hz 1,1 kW
- Type OP 145 E/E/1 (on-off-switch, calibratable)
- Type OP 145 ED/E/1 (calibratable, pressure switch for additional charge)
- With connecting cable and power plug

Model TÖAS P/E, pneum. pump

- Pneum. pump type OP 110 D 30/1 E
- Incl. suction hose and pressure reducer
- Air separator, certificate of EC type examination
- 5 m dispensing hose NPS 16, oil swivel joint
- Flow meter type LCD 18 E
- For 700 ltr. or 1000 ltr. tank T/S or T/R
- **Calibratable / according to MID**

Model TÖAS E/E electr. pump

- Electr. pump type OP 145 E/E/1 including suction hose
- Air separator, certificate of EC type examination
- 5 m dispensing hose NPS 16, oil swivel joint
- Flow meter type LCD 18 E
- For 700 ltr. or 1000 ltr. tank T/S or T/R
- **Calibratable / according to MID**

Model TÖAS 1000 P/E, pneum. pump

- Pneum. pump type OP 110 D 30/1 E
- Incl. suction hose and pressure reducer
- Air separator, certificate of EC type examination
- Automatic hose reel type 9.10.16/1 10 m NPS 16, oil swivel joint
- Flow meter type LCD 18 E
- For 700 ltr. or 1000 ltr. tank T/S or T/R
- **Calibratable / according to MID**

Model TÖAS 1000 E/E, electr. pump

- Electr. pump type OP 145 E/E/1 including suction hose
- Air separator, certificate of EC type examination
- Automatic hose reel type 9.10.16/1 10 m NPS 16, oil swivel joint
- Flow meter type LCD 18 E
- For 700 ltr. or 1000 ltr. tank T/S or T/R
- **Calibratable / according to MID**

Extra charge for assembling ready to use

Accessories

Add.charge for press. switch for electr. pump type MD

- Assembly including pressure switch for TÖAM and TÖAS

part no. price EUR

22 179 1.762,63

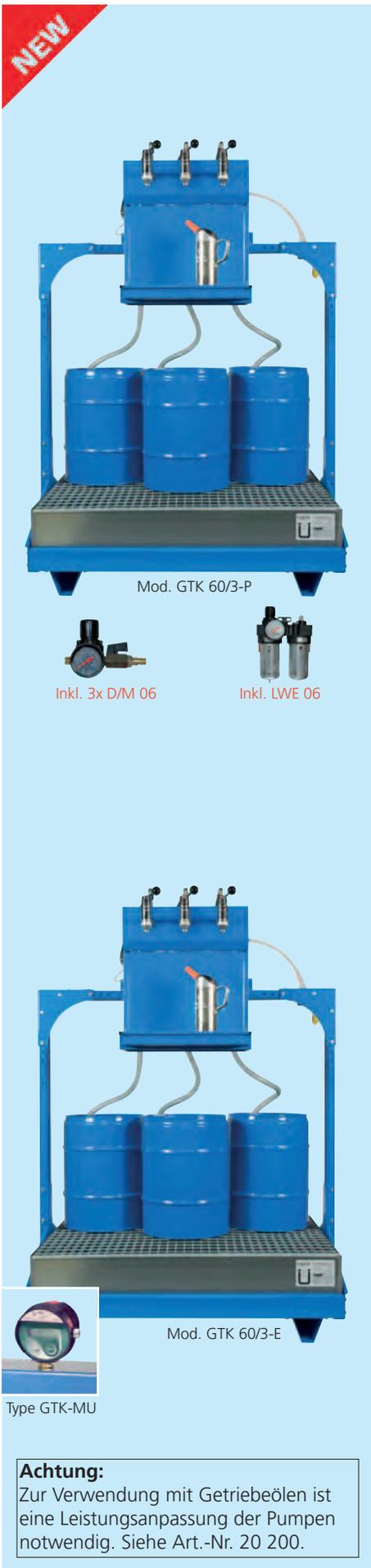
22 180 1.941,88

22 181 2.360,13

22 182 2.539,38

Request

20 199 316,68



Stationary version with carrying unit

This special dispenser set is designed to optimise your oil supply. It is ready to use and can be employed nearly everywhere. The carrying unit can be fitted with electrical or pneumatic pumps. 1 - 3 different kind of oils can be dispensed via oil bar.

Basic version:

- Varnished self-supporting carrier unit
- 2 or 3 x electrical or pneumatic pumps
- Oil connection and suction hoses
- 1 x oil bar, with 2 or 3 nozzles
- 1 x drain pan zinc coated, PTB licensed

Performance: (depending on degree of viscosity - see p. 240)

- **Pneumatic pump** max. 10 ltr./Min
- Air inlet pressure max. 8 bar (160 PSI)
- Type OP 110 D 30/1 (1:3) incl. pressure reducer D/M 06

- **Electrical pump** max. 10 Ltr./min
- Connection 230 V~, 50 Hz, 1,1 kW
- Type OP 145 ED/1 (incl. pressure switch)
- With connecting cable and power plug

Model GTK 60/2-P, pneum. pumps

part no. 22 304 **price EUR** 2.204,78

- 1 x carrier unit type W 10 T, for 2 x 60 ltr.-barrels
- 2 x pneum. pump type OP 90 D 30/1, incl. suction hose
- 1 x oil bar with 2 nozzles
- 1 x drain pan type W 10
- Dim. approx. 1360 x 800 x 1755 mm (L x W x H)

Model GTK 60/3-P, pneum. pumps

part no. 22 305 **price EUR** 2.623,03

- Identical with model GTK 60/2-P, but with
- 1 x carrier unit type W 10 T, for 3 x 60 ltr.-barrels
- 3 x pneum. pump type OP 90 D 30/1, incl. suction hose
- 1 x oil bar with 3 nozzles
- Dim. approx. 1360 x 800 x 1755 mm (L x W x H)

Model GTK 200/2-P, pneum. pumps

part no. 22 308 **price EUR** 2.204,78

- 1 x carrier unit type W 10 T, for 2 x 200 ltr.-barrels
- 2 x pneum. pump type OP 90 D 30/1, incl. suction hose
- 1 x oil bar with 2 nozzles
- 1 x Drain pan type W 10
- Dim. approx. 1360 x 800 x 1755 mm (L x W x H)

Model GTK 60/2-E, electr. pumps

part no. 22 306 **price EUR** 3.160,78

- Identical with model GTK 60/2-P, but with
- 2 x electr. pump type OP 140 ED/1, incl. suction hose
- 2 x pressure switch, cabled
- Dim. approx. 1360 x 800 x 1755 mm (L x W x H)

Model GTK 60/3-E, electr. pumps

part no. 22 307 **price EUR** 3.818,03

- Identical with model GTK 60/3-P, but with
- 1 x carrier unit type W 10 T, for 3 x 60 ltr.-barrels
- 3 x electr. pump type OP 140 ED/1, incl. suction hose
- 3 x pressure switch, cabled
- Dim. approx. 1360 x 800 x 1755 mm (L x W x H)

Model GTK 200/2-E, electr. pumps

part no. 22 309 **price EUR** 3.160,78

- Identical with model GTK 200/2-P, but with
- 2 x electr. pump type OP 140 ED, incl. suction hose
- 2 x pressure switch, cabled
- Dim. approx. 800 x 1900 x 1900 mm (L x W x H)

Add. charge for meter for mod. GTK type GTK-MU

part no. 22 316 **price EUR** 381,21

- Per nozzle

Assembly ready to connect for GTK
Additional freight charges for GTK

199,-
Request

Achtung:
Zur Verwendung mit Getriebeölen ist eine Leistungsanpassung der Pumpen notwendig. Siehe Art.-Nr. 20 200.



Stationary version with carrying unit

This special dispenser set is designed to optimise your oil supply. It is ready to use and can be employed nearly everywhere. The carrying unit can be fitted with electrical or pneumatic pumps. 1 - 6 different kind of oils can be dispensed via oil bar. Drain pan confirming VAWS is included.

Basic version:

- Varnished self-support carrier unit
- 3 or 6 x electric or pneumatic pump
- Oil connection and suction hoses
- Oil bar (s) with 3 x spigot
- 1 x drain pan zinc coated, PTB licensed

Performance: (depending on degree of viscosity - see p. 240)

- **Pneumatic pump** max. 10 ltr./min
- Air inlet pressure max. 8 bar (150 PSI)
- Type OP 90 D 30/1

- **Electrical pump** max. 10 ltr./min
- Connection 230 V~, 50 Hz, 0,55 kW
- Type OP 140 ED (incl. pressure switch)

Model GTK 60/6-P, pneum. pumps

- 1 x carrier unit type W 11 T for 6 x 60 ltr. barrels
- 6 x pneum. pumps type OP 90D30/1, incl. suction hose
- 2 x oil bar with 6 spigots totally
- 1 x drain pan type W 11
- Dim. 1800 x 800 x 1755 mm (L x W x H)

Model GTK 60/200/6-P, pneum. pumps

- 1 x carrier unit type W 11 T for 6 x 60 ltr. barrels and 2 x 200 ltr. barrels
- 6 x pneum. pumps type OP 90D30/1, incl. suction hose
- 2 x oil bar with 6 spigots totally
- 1 x drain pan type W 11
- Dim. 1800 x 800 x 1755 mm (L x W x H)

Model GTK 200/3-P, pneum. pumps

- 1 x carrier unit type W 11 T for 3 x 200 ltr. barrels
- 3 x pneum. pumps type OP 90D30/1, incl. suction hose
- 1 x oil bar with 36 spigots totally
- 1 x drain pan type W 11
- Dim. 1800 x 800 x 1755 mm (L x W x H)

Model GTK 60/6-E, electr. pumps

- Identical with GTK 60/6-P but
- 6 x electr. pumps OP 140 ED/1, incl. suction hose
- 6 x Pressure switch, cabled
- Dim. 1800 x 800 x 1755 mm (L x W x H)

Model GTK 60/200/6-E, electr. pumps

- Identical with 60//200/6-P but
- 6 x electr. pumps OP 140 ED/1, incl. suction hose
- 6 x Pressure switch, cabled
- Dim. 1800 x 800 x 1755 mm (L x W x H)

Model GTK 200/3-E, electr. pumps

- Identical with GTK 200/3-P but
- 3 x electr. pumps OP 140 ED/1, incl. suction hose
- 3 x pressure switch, cabled
- Dim. 1800 x 800 x 1755 mm (L x W x H)

Add. charge for meter for mod. GTK type GTK-MU

- Per nozzle

Assembly ready to connect up to models GTK 60/6
Additional freight charges up to models GTK 60/6

part no.	price EUR
22 310	3.937,53
22 311	3.937,53
22 312	2.802,28
22 313	6.387,28
22 314	6.387,28
22 315	3.758,28
22 316	381,21
	299,- Request



Calibratable Rapid Measurement plants for lubricants and anti-freeze are licensed for approval according to Certificate of EC-type examination, DE-16-MI005-PTB026.



Mod. GT-P



Mod. GT-E

Attention:
If used with gear oil the performance of pumps must be adjusted. Refer to article no. 20 200

Stationary version with carrying unit

This special dispenser set is designed to optimise your oil supply and is ready for use. It can be employed nearly everywhere. The carrying unit can be fitted with an electrical or a pneumatic pump, automatic hose reel and hose end meters.

Basic version:

- Varnished self supporting carrier unit
- 2 x electrical or pneumatic pumps
- Oil connection and suction hoses
- 2 x automatic hose reels
- 2 x flow meter incl. swivel joint
- 2 x engine oil outlets with anti-drip nozzle
- 2 x holder for flow meter
- 1 x drain pan zinc coated, PTB licensed

Performance: (depending on degree of viscosity - see p. 240)

- **Pneumatic pump** max. 10 ltr./Min
- Air inlet pressure max. 8 bar (160 PSI)
- Type OP 90 D 30/1 (1:3) incl. pressure reducer
- **Electrical pump** max. 10 Ltr./min
- Connection 230 V~, 50 Hz, 0,55 kW
- Type OP 140 E/1 (on-off-switch)
- Type OP 140 E/E/1 (calibratable, on-off-switch)
- Type OP 145 ED/1 (incl. pressure switch)
- Type OP 145 ED/E/1 (calibratable, incl. pressure switch)
- With connecting cable and power plug

Model GT-P, pneum. pump

22 300 4.057,03

- 1 x carrier unit type W 10 T
- 2 x pneum. pump type OP 90 D 30/1, incl. suction hose
- 2 x autom. hose reels type 9.10.12, 10 m, DN 12, 2 x type ODG 12, 2 x type WH 12
- 2 x hose end meter, digital, type LCD 18/1
- 1 x drain pan type W 10
- **Not calibratable**

Model GT-PE, pneum. pump

22 301 4.774,03

- Identical with model GT-P, but with
- 2 x pneum. pump type OP 90 D 30/1 E
- 2 x air separator, certificate of EC type examination
- 2 x hose end meter, digital, type LCD 18 E
- **Calibratable / according to MID**

Model GT-E, electr. pump

22 302 5.132,53

- Identical with model GT-P, but with
- 2 x electr. pump type OP 140 ED/1, incl. suction hose
- 2 x pressure switch, cabled
- **Not calibratable**

Model GT-EE, electr. pump

22 303 5.849,53

- Identical with model GT-E, but with
- 2 x electr. pump type OP 140 ED/E/1, incl. suction hose
- 2 x air separator, certificate of EC type examination
- 2 x hose end meter, digital, type LCD 18 E
- **Calibratable / according to MID**

**Assembly ready to connect for GT
Additional freight charges for GT**

199,-
Request

Accessories

Carrier unit type W 10 T (without illustr.)

25 002 679,-

- Varnished, self-supporting, without components
- Incl. 1 drain pan 2 x 200 ltr., type W 10
- Dim. approx. 1400 x 800 x 1300 mm

NEW



Mod. ÖAM 200 DSM



Delivery hose with robust kink protection



Quick connection for drum change



Mod. ABM 200 DSM



Digital Dispensing Sets

The new mobile and battery-operated RAPID dispensing sets with 7" touch display are designed to hold 60 - 200 litre drums and are available for the digital recording of oil, coolant or AdBlue® dispensing. Dispensing quantities and order data are documented with date and time. The data can be transferred via USB stick or WiFi. Thanks to battery technology, the devices can be operated independently of the mains or using a 230 V mains plug. The very low loading surface of the trolley makes it quick and easy to change drums. **12 V, 45 Ah rechargeable battery not included.** A gel car battery is recommended.

Model ÖAM 200 DSM

For machine and engine oils

- Digital service management with data storage for users, orders and quantities
- Control via 7" touch display
- Quantity preselection or manual dispensing
- 230 V mains plug for operation and battery charging
- 12 V battery, 45 Ah (not included in scope of delivery)
- Battery operation max. 8 hours / charging time approx. 10 hours
- Electric pump, max. 2-4 ltr./min. (depending on visc.)
- Quick connection for drum change incl. drum strap
- 2 m oil delivery hose with engine oil nozzle, DN 12
- Sturdy chassis with 2 castors Ø 150 mm and 2 swivel castors, for holding a 60-200 litre drum
- Dimensions approx. 921 x 722 x 1133 mm (L x W x H), approx. 56 kg

Model KAM 200 DSM

(without illustr.)

For coolant and water

- Digital service management with data storage for users, orders and quantities
- Control via 7" touch display
- Quantity preselection or manual dispensing
- 230 V mains plug for operation and battery charging
- 12 V battery, 45 Ah (not included in scope of delivery)
- Battery operation max. 8 hours / charging time approx. 10 hours
- Electric pump, max. 8 ltr./min.
- Quick connection for drum change incl. drum strap
- 2 m oil delivery hose with dispensing nozzle, DN 12
- Sturdy chassis with 2 castors Ø 150 mm and 2 swivel castors, for holding a 60-200 litre drum
- Dimensions approx. 921 x 722 x 1133 mm (L x W x H), approx. 56 kg

Model ABM 200 DSM

For AdBlue®

- Digital service management with data storage for users, orders and quantities
- Control via 7" touch display
- Quantity preselection or manual dispensing
- 230 V mains plug for operation and battery charging
- 12 V battery, 45 Ah (not included in scope of delivery)
- Battery operation max. 8 hours / charging time approx. 10 hours
- Electric pump, max. 8 ltr./min.
- Quick connection for drum change incl. drum strap
- 2 m oil delivery hose with automatic-nozzle, DN 20
- Sturdy chassis with 2 castors Ø 150 mm and 2 swivel castors, for holding a 60-200 litre drum
- Dimensions approx. 921 x 722 x 1133 mm (L x W x H), approx. 56 kg

Assembly ready to connect for DSM models
Additional freight charges for DSM models

part no.	price EUR
22 120	1.990,00
25 239	1.990,00
28 237	2.190,00
	149,- Request



Mod. ZO 12



Mod. KAS 3



Type GTK-MU



Mod. KAS 1/Z



Mod. WSR 4

Oil bar

For connection to oil pump or oil pipe for filling of oil cans.
For unmeasured, measured and gauged dispensing.

Model ZO 12

- Valve with anti-drip snout
- Space for oil can including drain
- For direct installment at pneumatic oil pumps
- Scope of delivery without pump and can

Model KAS 1

- Dispenser tap with anti-dripping nozzle
- Solid steel sheet carrier
- Galvanized grid, dripping pan
- Dim. approx. 340 x 520 x 700 mm (L x W x H)

Model KAS 2

- Identical with model KAS 1, but with
- 2 dispenser taps with anti-dripping nozzles
- Dim. approx. 340 x 520 x 700 mm (L x W x H)

Model KAS 3

- Identical with model KAS 1, but with
- 3 dispenser taps with anti-dripping nozzles
- Dim. approx. 340 x 520 x 700 mm (L x W x H)

Add. charge for meter for mod. GTK type GTK-MU

- per nozzle

Model KAS 1/Z

- Identical with modell KAS 1, but with
- In-line meter for pre-selection
- **Not-calibratable**

Model KAS 2/Z

- Identical with model KAS 2, but with
- 2x in-line metesr for pre-selection
- **Not-calibratable**

Accessories

Additional charge for nozzle type ZP 12/K

- Screen clear and cooling liquid
- Only available for KAS and KAS/S, not available for KAS/Z and /ZE

Cabinet for hose reels

Housing steel sheet, to be opened with plastic shutter.
For mounting at wall, including drip tray and drain screw.

Model WSR 4

- Could take up to 4 hose reels series 9
- Dim. approx. 1050 x 600 x 630 mm (L x W x H)

Model WSR 2

- Could take up to 2 hose reels series 5
- Dim. approx. 1050 x 600 x 630 mm (L x B x H)

part no. price EUR

21 306 154,16

22 401 627,38

22 402 711,03

22 403 794,68

22 316 381,21

22 407 1.541,55

22 408 2.378,05

21 506 77,68

09 600 1.069,53

09 601 1.069,53

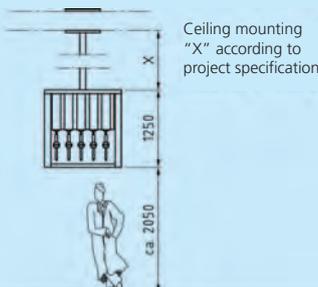


Mod. ES 4 + ES-SV

For assembling and mounting of models ES and DA statically requirements are needed on site.



Mod. DA 5



Ceiling mounting "X" according to project specification

Dispensing pillars

Energy pole for the supply of vehicles with all kinds of media and for modern usage of liquids during maintenance. The grand entity offers a supply up to 4 media. The extension unit expands the supply at 4 media each.

Model ES 4

Dispensing pillar, varnished, self-carrying
 ■ Incl. drain pan with grid, pre-assembled
 ■ For 4 autom. reels BR9, open
 ■ Covering with roller shutter, on both sides
 ■ Dim. approx. 1050 x 600 x 2600 mm (L x B x H)

Model AS 4

Energy extension pole for 4 additional automatic reels BR9, open
 ■ Incl. drain pan with grid, pre-assembled
 ■ For more 4 autom. reels BR9, open
 ■ Covering with roller shutter, on both sides
 ■ Dim. approx. 1000 x 600 x 2600 mm (L x B x H)

Additional freight charges for ES/AS

Accessories

Sheet steel cover type ES-SV

■ Cover for lower half of the dispensing pillar, below the drain pan, varnished, detachable

Flexible conn. hose set for energy rack type ES-ÖVS

■ Consisting of 4 x oil connection hoses, NPS 12, armoured on both sides 1/2" female/female, length: 1,8/2,0/2,3 and 2,4 mm

Hanging devices

Ceiling suspension for the supply of vehicles with all kinds of media and for modern usage of liquids during maintenance. An examination of the statics is indispensable.

Model DA 2

Hanging device 1-2 m, varnished, incl. drain pan
 ■ For 2 autom. reels Series 9, open
 ■ Covering with roller shutter, on both sides
 ■ Dim. approx. 650 x 600 x o.r mm (L x W x H)

Model DA 3

Hanging device 1-2 m, varnished, incl. drain pan
 ■ For 3 autom. reels Series 9, open
 ■ Covering with roller shutter, on both sides
 ■ Dim. approx. 850 x 600 x o.r mm (L x W x H)

Model DA 4

Hanging device 1-2 m, varnished, incl. drain pan
 ■ For 4 autom. reels Series 9, open
 ■ Covering with roller shutter, on both sides
 ■ Dim. approx. 1050 x 600 x o.r mm (L x W x H)

Model DA 5

Hanging device 1-2 m, varnished, incl. drain pan
 ■ For 5 autom. reels Series 9, open
 ■ Covering with roller shutter, on both sides
 ■ Dim. approx. 1250 x 600 x o.r mm (L x W x H)

Model DA 6

Hanging device 1-2 m, varnished, incl. drain pan
 ■ For 6 autom. reels Series 9, open
 ■ Covering with roller shutter, on both sides
 ■ Dim approx. 1459 x 600 x o.r mm (L x W x H)

Additional freight charges for DA

Accessories

Cord with ball type KOR

part no.	price EUR
25 202	1.786,53
25 206	1.607,28
	Request
25 500	472,03
25 502	221,08
25 210	Request
25 211	Request
25 212	Request
25 213	Request
25 214	Request
	Request
25 501	34,66

NEW note:
Model regulated drain pans for storage of 200 ltr. barrels are shown on page 58.



Mod. KAM 200/2 ZP



Mod. KAM 200/2 SZE



Type KAV



Mod. LCD 18 S

Mobile Version

This mobile version set is designed for 200 ltr. barrels. Barrels can be changed fast and easy due to a low load floor.

Basic version:

- Rugged base frame type ÖAM 200-2/1 with 2 rollers and 2 steering rollers
- Pneumatic or electric pump
- 2 m dispensing hose, NPS 12
- Flow meter incl. nozzle and holder

Performance: (depending on viscosity – refer to page 240)

- **Pneumatic pump**, max 16 lt/min.
- Air inlet pressure max. 8 bar (150 PSI)
- Type OP 90 D 35/1 (1:5), incl. pressure reducer D/M 06

- **Electric pump**, max. 10 ltr/min
- Connection 230 v – 50Hz, 0,55 kW
- Type KP 140 E/1 (on/off button)
- Type KP 140 ED/1 (pressure button – extra charge)
- With cable and plug

Model KAM 200/2 ZP, pneumatic pump

- Pneum. pump type OP 90 D 35/1, incl. suction pipe
- Flow meter, digital, type LCD 18 K
- **Not-calibratable**

Model KAM 200/2 SZP, pneumatic pump (w. III.)

- Identical with Model KAM 200/2 ZP, but
- Autom. Hose reel type 9.10.12/1, 10 m, DN 12
- **Not-calibratable**

Model KAM 200/2 ZE, electric pump (w. III.)

- Elektr. pump type KP 140 E/1, incl. suction hose
- Handdurchlaufzähler, digital, Typ LCD 18 K
- **Not-calibratable**

Model KAM 200/2 SZE, electric pump

- Identical with Model KAM 200/2 ZE, but
- Autom. hose reel type 9.10.12/1, 10 m, DN 12
- **Not-calibratable**

Extra charge pressure switch for electric pumps type MD

- Assembling incl. pressure switch for models KAM

Assembling ready to use for models KAS

Additional freight charges for models KAM

- Only with pre-assembly

Accessories

Coolant system kit type KAV

- For easy and bubble-free filling and ventilation of coolant systems
- With simultaneous testing of tightness by negative pressure (vacuum)
- Multi-purpose version with quick coupling
- Manometer with rubber protection (tolerance +/- 2%)
- Universal connection suitable for nearly all common vehicles

Flow meter Model LCD 18 S

- Resettable LCD display 5-digit / mm
- Not resettable totalizer thread 1/2 female
- For windscreen cleaner

part no. price EUR

25 230 1.392,18

25 231 1.750,68

25 232 1.631,18

25 233 2.109,18

20 199 316,68

199,–
Request

25 242 178,06

21 022 656,06

NEW

Note:

Model regulated drain pans for storage of 200 ltr. barrels are shown on page 58.



Mod. KAS 200 ZP



Mod. KAS 200 ZE



Mod. KAS 200 SZP



Mod. KP 140 E/1

Stationary Version

These coolant dispenser sets are designed for mounting on top of 200 ltr.-barrels. Enables the easy supply within a radius up to 10 m.

Basic version:

- Mounting plate for fixation on top of 200 ltr. barrel
- Pneumatic or electric pump
- Flow meter incl. nozzle and holder

Performance: (depending on viscosity – refer to page 240)

- **Pneumatic pump**, max 16 lt/min.
- Air inlet pressure max. 8 bar (150 PSI)
- Type OP 90 D 35/1 (1:5), incl. pressure reducer D/M 06
- Only for antifreeze concentrate

- **Electric pump**, max. 10 ltr/min
- Connection 230 v – 50Hz, 0,55 kW
- Type KP 140 E/1 (on/off button)
- Type KP 140 ED/1 (pressure button – extra charge)
- With cable and plug
- For antifreeze concentrate and water

Model KAS 200 ZP, pneumatic pump

25 235 950,03

- Pneumatic pump type OP 90 D 35/1, plus suction pipe
- Dispensing hose type ÖVS 05.12, 5 m DN 12
- Flow meter, digital, type LCD 18 K
- **Not calibratable**

Model KAS 200 SZP, pneumatic pump

25 236 1.428,03

- Identical to model KAS 200 ZP but with
- Automatic hose reel type 9.10.12/1, 10 m DN 12
- Flow meter, digital, type LCD 18 K
- **Not calibratable**

Model KAS 200 ZE, electric pump

25 237 1.189,03

- Electric pump type KP 140 E/1 plus suction hose
- Dispensing hose type ÖVS 05.12, 5 m DN 12
- Flow meter, digital, type LCD 18 K
- **Not calibratable**

Model KAS 200 SZE, electric pump

25 238 1.786,53

- Identical to model KAS 200 ZE but with
- Automatic hose reel type 9.10.12/1, 10 m DN 12
- Flow meter, digital, type LCD 18 K
- **Not calibratable**

Extra charge pressure switch for electric pumps type MD

20 199 316,68

- Assembling incl. pressure switch for models KAM

Assembling ready to use for models KAS

99,-

More powerful versions on request

Antifreeze liquid pumps, electric

For antifreeze, for connection with pressure lines-

Performance: (depending on viscosity – refer to page 240)

- For connection to AC/DC
- Pressure max 15 bar

Connection

- Connection (pressure side) 3/4" male
- Connection (suction side) 3/4" male

Model KP 140 E/1

20 123 830,53

- Bypass hose, wall bracket
- On/off switch
- Cabled ready for connection
- **Performance 0,55 kW/230 V**
- Capacity up to 10 ltar/min. depending on Viscosity



Mod. blueMix

Mod. FAG 800

Mod. VM Mini 3000

Type BA

Mixing device blueMix

The mixing device is suitable for the production of liquids in a wide range of concentrates. All water-soluble antifreeze and windshield washer concentrate can be mixed. The mixer is excellently suitable for filling in single machines or containers

Model blueMix

- Solid polyamide housing with fiberglass for direct screw on the concentrate barrel, jet device with propulsion nozzle
- Regulating valve with zero shutoff for stepless adjustment of mixture from 0-10%
- Generously dimensioned suction fittings.
- Dispensing hose with ball cock
- Capacity range: 1.500 ltr./hour at a flow pressure of 1,5 – 10,0 bar and water pipe of min. 1/2"
- **Separately available system separator required**

Mixing devices

The mixing devices for wall or barrel mounting are operating by jet pump principle. All kinds of water-soluble antifreeze or windscreen washer concentrates can be mixed. The mixer is excellently suitable for filling in single machines or containers

Basic version:

- Solid tin housing for barrel or wall mounting
- Adjustable for mixtures from 0-10%
- Generously dimensioned suction fittings

Model FAG 800

- Mixing device for direct mounting on 200 ltr-barrel
- Capacity range: 1.500 ltr./hour at a flow pressure of 1,5 – 10,0 bar and water pipe of min. R 1/2"
- Incl. dispensing hose and ball cock
- **Separately available system separator required**

Model VM Mini 1500

- Mixing device for wall mounting
- Capacity range: 1.500 ltr./hour at a flow pressure of 2,5 and water pipe of min. R 1/2"
- **Incl. required system separator**

Model VM Mini 1500-A

- Identical to model VM Mini 1500, but
- Lockable to prevent unauthorized use

Model VM Mini 3000

- Identical to model VM Mini 1500 but
- Capacity range: 3.000 ltr./hour at a flow pressure of 2,5 and water pipe of min. R 1/2"

Model VM Mini 3000-A

- Identical to model VM Mini 3000, but
- Lockable to prevent unauthorized use

Accessories

System separator type BA

- For connection of mixing devices to the fresh water pipe line, suitable for liquid categories 1,2,3 and 4 – according to DIN EN 1717

part no.	price EUR
25 224	328,63
25 225	806,63
25 226	1.643,13
25 227	1.762,63
25 228	2.145,03
25 229	2.384,03
25 240	567,63



Mod. SMS-S



Mod. FMA-S

For windscreen cleaning lotions (ATEX)

The mixing device serves for making mixture of water and appropriate wind screen concentrate. Infinitely adjustable mixtures of different concentrate settings between 0% up to 100 % are possible. Discharge of mixture either by hose reel or tin bar with meter a nozzle. The mixing devices match the regulations for explosion protection 949/9EG and are suitable for direct connect to water pipe according to DIN 1988.

Model SMS-S (ATEX)

Is used for the extraction of spirit out of barrels. The delivery includes a drain pan and a pillar.

- Continuous adjustment of heading mixture
- Pneum. membrane pump, max 25 ltr./min
- Water canister incl. float valve
- Dim. approx. 1100 x 850 x 1740 mm (L x W x H)
- Weight approx. 140 kg
- Ready for connection

Model SMS-W (ATEX) (without illustr.)

Is used for the extraction of spirit out of tanks. The delivery includes a console to assamlbe the device above the tank.

- Continuous adjustment of heading mixture
- Pneum. membrane pump, max 25 ltr./min
- Water canister incl. float valve
- Dim. approx. 950 x 420 x 850 mm (L x W x H)
- Weight approx. 115 kg
- Ready for connection, tank is not included in delivery

Coolant mixing device

The coolant mixing devices serve the making of coolants or other mixtures and emulsions on request. Different mixtures up to 55% concentrate can be blended in the process confirming to the temperature range of -40°C (ASTM D 1177). The mixture is disposed through hose reels or can filling tables with meters or nozzles.

Die mixing batteries are confirming to the regulation DIN 1988 as well as DVGW worksheet W 314 and are suitable for the direct connection to water pipes.

Model FMA-S

Is used for the extraction of headings out of barrels. The delivery includes a drain pan and a pillar.

- Continuous adjustment of heading mixture
- Electr. pump, 230 V~, as water pump
- Electr. pump, 230 V~, as pressure pump
- Compressed air vesel, 25 ltr.
- Dim. approx. 850 x 850 x 2150 mm (L x W x H)
- Weight approx. 140 kg
- Ready to plug in

Model FMA-W (without illustr.)

Is used for the extraction of headings out of tanks. The delivery includes a console to assamlbe the device above the tank.

- Continuous adjustment of heading mixture
- Electr. pump, 230 V~, as water pump
- Electr. pump, 230 V~, as pressure pump
- Compressed air vesel, 25 ltr.
- Dim. approx. 850 x 850 x 2150 mm (L x W x H)
- Weight approx. 115 kg
- Ready to plug in, tank is not included in delivery

Carrying charges for SMS and FMA not included

part no.	price EUR
25 220	9.135,78
25 221	9.004,33
25 222	8.872,88
25 223	9.135,78
	Request



Mod. DTS 1000 WX



Mod. AOL 1000 S



Type TR/1



Type TK/SSK 20

Diesel Dispensing Sets incl. tank

A ready-to-connect diesel dispensing set enables optimum diesel supply in a small space and meets all requirements of German rule WHG (water protection).

Basic version:

- Double-walled tank type T/S with transport authorisation
- Electric diesel feed pump Mod. WX 40 A
- 4 m delivery hose with automatic nozzle
- Limit value transmitter type GW
- T-piece type T-50
- Tanker coupling type TWK 90
- Venting cap type EK

Performance: (depending on viscosity – refer to page 240)

- **Electric pump**, max. 35 ltr/min
- Connection 230 v – 50Hz, 0,32 kW
- With cable and plug

Model DTS 700 WX (ohne Abb.)

- 700 Ltr.-Tank T/S 700
- Electrical Diesel Conveying Pump, mod. WX 40 A
- Automatik-Zapfpistole

Model DTS 1000 WX

- Identical with model DTS 700 WX, but with
- 1000 Ltr.-Tank T/S 1000

Plus freight costs for DTS models

Waste oil storage kits incl. tank

A ready-to-install waste oil storage set enables optimum storage of waste oil in a small space and meets all requirements of German rule WHG (water protection).

Basic version:

- Double-walled tank type T/S with transport authorisation
- Leak oil indicator type LWG with acoustic and visual signal
- Filling funnel, type EFT, galvanised with collecting strainer, lockable
- Filling level indicator type F/A
- Suction pipe type ASR
- Tanker coupling type TWK 90
- Venting cap type EK

Model AOL 700 S (ohne Abb.)

- 700 Ltr.-Tank T/S 700

Model AOL 1000 S

- Identical with model AOL 700 S, but with
- 1000 Ltr.-Tank T/S 1000

Montage anschlussfertig für Modelle DTS + AOL
Plus freight costs for AOL models

Accessories

Step type TR/1

- 2-steps
- Plastic
- Dim. approx. 600 x 360 x 360 mm (L x W x H)
- Weight approx. 3,0 kg

Tank cover type TK/SSK 20

- Incl. quick coupling 3/4" "

Art.-Nr.	Preis EUR
27 078	1.612,06
27 079	1.791,31
	Request
27 070	1.766,12
27 072	1.970,56
	99,- Request
27 114	119,38
27 154	142,21

Type T/R-M



Type ST K 18



Type BX ST K 18



Mod. Cube 56



Mod. Cube 70



Mod. Cube 70-MC 50



DDG 20-25

For Diesel and fuel oil

These filling stations are carefully planned to offer a modern and reasonable concept for professional Diesel refilling. A line meter, a resettable 3-digit partial counter and a 5-digit totalizer give the opportunity of precise measurements. The design approved automatic pump pistol and RAPID siphon protection meet the requirements of the WHG (German Federal LAW).

Model ST K 18

Diesel dispensing unit to use with a stationary or mobile tank:

- Self priming vane pump, ca. 56 ltr./min with electric drive 230 V / 50 Hz / 0,37 kW
- 2 m suction hose with dirt screen and holding valve
- 4 m hose DN 20 with automatic pump pistol
- Resettable 3-digit counter
- Non-resettable 6-digit totaliser
- Fully assembled on mounting plate
- Dim. approx. 300 x 500 x 550 mm (L x W x H)
- Weight approx. 20 kg

Mounting plate for Cube type T/R-M

- To be mounted directly on tanks T/S, T/R, M/T

Lockable metal cover type BX ST K 18

- Dim. approx. 310 x 565 x 585 mm (L x W x H), weight approx. 22 kg

Model Cube 56

- Self priming electro pump max. 56 ltr./min, 230 V / 50 Hz / 0,36 kW, IP 55
- On-off-switch
- Pump pistol bracket
- Resettable 3-digit counter, mechanical
- Non-resettable totalizer
- 4 m hose, NPS 20
- 2,5 m suction hose, NPS 25, incl. siphon protector
- Automatic pump pistol type DZP 20, design approved
- Varnished steel sheet cover
- Dim. approx. 310 x 285 x 300 mm (L x W x H), weight approx. 20 kg

Model Cube 70

- Identical with Cube 56, but with max. 70 ltr./min, 230 V / 50 Hz / 0,55 kW, IP 55

Model Cube 70-MC 50

- Similar to modell Cube 70, but with
- Up to 50 user codes can be programmed
- Protection cover for display
- Programmable user-code-no, 50 x
- Partly delivered quantity is resettable
- Entire totalizer is not resettable
- Display of user total
- Addition of all quantities delivered
- Error detection
- Quantity pre-selection
- Printer connection

Storage tanks (see page 88)
Accessories (see page 122)

part no.

price EUR

28 025

591,53

28 102

65,73

28 107

352,53

28 001

711,03

28 020

1.009,78

28 003

2.145,03



Accessories

Mounting plate for Cube type T/R-M

- To be mounted directly on tanks T/S, T/R, M/T

Column for Cube Typ SC

- Dim. approx. 340 x 300 x 1020 mm (L x W x H)
- Weight approx. 18 kg

Delivery hose for Diesel type DS 20

- delivery hose , price per meter

Automatic-nozzle type DZP 20

- For Diesel, without type approval

Automatic-nozzle type DZP 20-B

- For Diesel, incl. type approval

Automatic-nozzle type DZP 20-Z

- For Diesel, without type approval, inkl. meter

Automatic-nozzle type DZP 25

- For Diesel, without type approval

Storage Tanks (see page 88)

Control of Tank Data

Terminal management device for liquid level type TSV

- Measurement of the statistical pressure via hose
- Incl. 10 m hose, up to 50 m possible
- RS-232 interface available
- In connection with type EVG the minimum level is captured and the pump stopped
- 230 V

Electronic administrative device type EVG

- Administration of the max. 80 user via key
- Power switch of the pump, with emergency-stop
- 230 V

Magnetic key type Key-Set

- 10 magnetic keys for user identification

Manager key type Key-M

- 1 manager key

USB-converter type USBC

- USB converter for pc-connection, with online-software

Kit key-software type Key-S

- Offline-Software

Control of Diesel Dispensing Sets Mod. DAS

Electronic administrative device type EVG

- Administration of the max. 80 user via key
- Power switch of the pump, with emergency-stop
- 230 V

Magnetic key type Key-Set

- 10 magnetic keys for user identification

Manager key type Key-M

- 1 manager key

USB-converter type USBC

- USB converter for pc-connection, with online-software

Kit key-software type Key-S

- Offline-Software

part no.	price EUR
28 102	65,73
28 103	352,53
10 547	9,07
28 116	190,01
28 100	237,81
28 115	333,41
28 101	237,81
28 114	591,53
28 113	304,73
28 109	221,08
28 110	107,55
28 111	830,53
28 112	770,78
28 113	304,73
28 109	221,08
28 110	107,55
28 111	830,53
28 112	770,78



Mod. WX 40

Mod. WX 40 A

Mod. WX 40 AZ

DDG 20-25

Type SG-X

Type DS 20

Electronical pump for Diesel and fuel oil

These pumps are suitable for Diesel, Bio-Diesel (RME), fuel oil and coolants. They are not suitable for cold-pressed rapeseed oil - for this purpose see page 108.

Model WX 40

- Discharge capacity approx. 40 ltr./min
- Suction with barrel thread M 64 x 4 and G2"
- Voltage 230 V, 50 Hz, 320 W
- Incl. suction hose with filter, 1600 mm
- 4 m hose, DN 19
- Non-buckling spring and suction valve
- Incl. siphon protection, weight approx. 4,5 kg

Model GX 40/12

- Identical with model WX 40, but with
- Voltage 12 V, 180 W

Model GX 40/24

- Identical with model WX 40, but with
- Voltage 24 V, 240 W

Model WX 40 A

- Identical with model WX 40, but with
- Discharge capacity approx. 35 ltr./min
- Automatic pump pistol type DZP 20, without type approval

Model GX 40/12 A

- Identical with model WX 40 A, but with
- Voltage 12 V

Model GX 40/24 A

- Identical with model WX 40 A, but with
- Voltage 24 V

Model WX 40 AZ

NEW

- Identical with model WX 40, but with
- Discharge capacity approx. 35 ltr./min
- Automatic pump pistol type DZP 20-Z, **with totaliser**, without type approval

Model GX 40/12 AZ

NEW

- Identical with model WX 40 AZ, but with
- Voltage 12 V

Model GX 40/24 AZ

NEW

- Identical with model WX 40 AZ, but with
- Voltage 24 V

Accessories

Automatic-nozzle type DZP 20-B

- For Diesel, incl. type approval

Diesel swivel joint type DDG 25-20

- Swivel joint for manual flow meter, 1" IG / 3/4" AG

Suction pipe extension type SG-X

- For Mod. WX and GX
- 210 mm long, G 1" AG / 1" IG

Delivery hose for Diesel type DS 20

- delivery hose , price per meter

part no.	price EUR
28 009	297,56
28 010	297,56
28 011	297,56
28 012	440,96
28 013	440,96
28 014	440,96
28 064	584,36
28 065	584,36
28 066	584,36
28 100	237,81
28 118	24,85
28 507	41,71
10 547	9,07



Mod. KIT 12



Mod. KX 33/1



Mod. KX 24

Please note:
Hand pumps for diesel see page 147.



Mod. D-Box



Mod. D-Box Pro

Electronical pump for Diesel and fuel oil

These pumps are suitable for Diesel, Bio-Diesel (RME), fuel oil and coolants. They are not suitable for cold-pressed rapeseed oil - for this purpose see page 108.

Model KIT 12

- Pump with on-off-switch, 12 V
- Discharge capacity 40 ltr./min., 120 Watt
- 1,5 m battery cable with clips and handel
- Hose 4 m, NPS 20 and pump pistol
- 2,5 m suction hise with filter
- Hose connection and clips
- Weight approx. 3,1 kg

Model KIT 12 A

- Identical with model KIT 12, but with Automatic pump pistol type DZP 20, witout type approval

Model KIT 24

- Identical with model KIT 12 A, but with Voltage 24 V

Model KIT 24 A

- Identical with model KIT 24, but with Automatic pump pistol type DZP 20, design appr.

Model K 33/1

- Resetable 3-digit counter
- Non-resetable 6-digit totalizer
- Measuring range 10-100 ltr./min, max 10 bar, 1" int.th.

Model K 44/1

- Identical with modell K 33, but with 4 digits

Model KX 24

- digital meter with LCD display
- 5-digit sum, 6-digit totalizer
- totalizer can be reset
- measuring range up to 120 ltr./min, max. 20 bar, 1" int. th.

Dieselbox

Diesel box for efficient and clean diesel fuel filling of vehicles and work machines on building sites or outdoor. Portable unit in a plastic case with an electronic pump, all essential hoses and cable connections to the 12V- or 24V-power network of the vehicle in the basic version. Professional version with an additional diesel strainer and fuel gloves.

Model D-Box 12 B

- 2 m suction hose with dirt deflector and check valve
- 2 m fuel hose with manual pump nozzle
- Flow rate approx. 45 l/min, ED 30 min
- Connected load 12 V, 260 W
- Dim. approx. 400 x 300 x 417 mm (L x W x H), approx. 11 kg

Model D-Box 12 Pro

- Similar to D-box 12 B unit, but
- 4 m fuel hose with manual pump nozzle
- Incl. 10 µ diesel strainer and fuel gloves

Model D-Box 24 B

- 2 m suction hose with dirt deflector and check valve
- 2 m fuel hose with manual pump nozzle
- Flow rate approx. 45 l/min, ED 30 min
- Connected load 12 V, 310 W
- Dim. approx. 400 x 300 x 417 mm (L x W x H), approx. 11 kg

Model D-Box 24 Pro

- Similar to D-box 24 B unit, but
- 4 m fuel hose with manual pump nozzle
- Incl. 10 µ diesel strainer and fuel gloves

part no. price EUR

28 015 268,88

28 016 412,28

28 017 268,88

28 018 412,28

28 004 173,28

28 005 197,18

21 016 237,81

28 060 381,21

28 061 440,96

28 062 381,21

28 063 440,96



Mod. TM 200

The real permitted tank filling is 95% of the nominal value.



Mod. TM 450/230

Mobile diesel filling

Mobile diesel filling station with ADR-admission. Tank with lockable cover made of MDPE with integrated fuel-filling facility (electronic pump). Suitable for trucks according to the warrant Nr. D/BAM 13047-ARES/0/286

Model TM 200

- Tank capacity 200 l, with accessories, without pump
- Suction line with line filter
- Fuel tank gauge
- Dim. approx. 1000 x 654 x 547 mm (L x W x H)

Model TM 200/12

- Similar to model TM 200, but
- Electr. pump, flow rate approx. 35 l/min
- Connected load 12 V, Protection system IP 54
- 4m fuel hose with automatic nozzle, without type appr.

Model TM 200/24

- Similar to model TM 200/12, but
- Electr. pump, flow rate approx. 35 l/min
- Connected load 24 V, Protection system IP 54

Model TM 200/12-Z

- Similar to model TM 200/12, but
- **Incl. digital flow meter**
- Connected load 12 V, Protection system IP 54

Model TM 200/24-Z

- Similar to model TM 200/12-Z, but
- **Incl. digital flow meter**
- Connected load 24 V, Protection system IP 54

Model TM 450 (D/BAM 12992-ARES/0/601)

- Tank capacity 450 l, with accessories, without pump
- Suction line with line filter
- Fuel tank gauge
- Dim. approx. 1200 x 800 x 912 mm (L x W x H)

Model TM 450/12

- Similar to model TM 450, but
- Electr. pump, flow rate approx. 35 l/min
- Connected load 12 V, Protection system IP 54
- 4m fuel hose with automatic nozzle, without type appr.

Model TM 450/24

- Similar to model TM 450/12, but
- Electr. pump, flow rate approx. 35 l/min
- Connected load 24 V, Protection system IP 54

Model TM 450/230

- Similar to model TM 450/12, but
- Electr. pump, flow rate approx. 35 l/min
- Connected load 230 V, Protection system IP 54

Model TM 450/12-Z

- Similar to model TM 450/12, but
- **Incl. digital flow meter**
- Connected load 12 V, Protection system IP 54

Model TM 450/24-Z

- Similar to model TM 450/12-Z, but
- **Incl. digital flow meter**
- Connected load 24 V, Protection system IP 54

Model TM 450/230-Z

- Similar to model TM 450/12-Z, but
- **Incl. digital flow meter**
- Connected load 230 V, Protection system IP 54

Carrying charges for TM units not included

part no.	price EUR
28 044	896,25
28 045	1.374,25
28 046	1.374,25
28 047	1.493,75
28 048	1.613,25
28 049	2.019,55
28 050	2.258,55
28 051	2.258,55
28 052	2.258,55
28 056	2.378,05
28 057	2.378,05
28 058	2.378,05
	Request

RAPID GROUP

Anlagenbau & Ölmanagement



WHG-konform



Zukunft



Projektierung



Funktechnologie

MID-konform

Design

Anlagenbau



Effizienz

Innovation



Individualität



Ölmanagement





Mod. ABP 5 B

Canister pump, battery operated

To reach the Emission Standard Euro 5/6 for truck as well as the American Emission Standard for car the SCR technique (Selective Catalytic Reaction) is applied. For this an aqueous UREA solution, AdBlue or AUS 32 in a separate tank of the car is used. The extraordinary requirements for quality of this product (drawn under in the Quality Regulations AUS 32) will be met by the devices and parts described hereunder.

Canister pump model ABP 5 B

- Pump to decant AdBlue or other aqueous fluids
- Battery operated (incl. 6xAA-Batteries)
- Capacity approx. 5 ltr/min
- Suction pipe 340 mm
- Dispensing hose 1600mm

part no.	price EUR
28 238	47,68

Barrel and container pump rechargeable

Barrel Pump Model ABP 15

- Pump to decant AdBlue or other aqueous fluids
- Suction side 2" barrel screwing
- Strong 12/2130 V, 30 W motor
- For up to 15 min. permanent operation
- State-of-the-art battery technology **12 V Li-Io**,
- Quick recharge, no memory effect, up to 800 ltr. charging capacity with one charge
- Incl. 230 V battery charger / power supply with 4 m cable
- Capacity approx. 15 ltr. /min
- Telescopic suction pipe: 850 – 1.245 mm
- Dispensing hose, 2 m DN 10
- Manual nozzle (PP)
- 2 x Adaptor 2" BSP female to 2" Mauser or 2" Tri-Sure
- Optional: Adaptor for IBC container
- Optional : 12 V charging cable with clamps.

28 239	273,66
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Accessories

12 V Charging Cable Type LK 12

- 12 V charging cable incl. clamps
- Suitable for barrel pump model ABP 15

28 502	23,78
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Barrel Adaptor Type GAO

- Tri-Sure course thread Male (S56x4) / 2" BSP female

25 114	35,73
--------	-------

Barrel Adaptor Type GAB

- 2" male Mauser course thread (S70x6) / 2" BSP female

25 115	35,73
--------	-------

IBC-Adaptor Type GIBC-150

- Screw Cap for IBC container, 2" BSP female
- Thread 155*4 female, Ø 185 mm, DN 150

25 179	29,76
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IBC-Adaptor Type GIBC-225

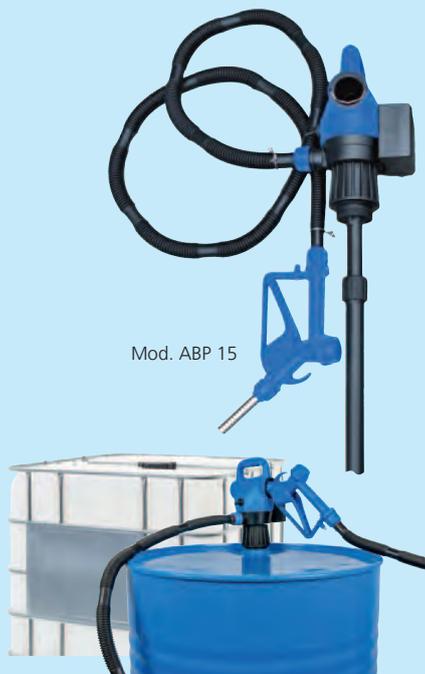
- Screw Cap for IBC container, 2" BSP female
- Thread 155*4 female, Ø 185 mm, DN 225

25 180	41,71
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Dispensing hose Type ABS 20 (without ill.)

- Dispensing hose for AdBlue DN 20 (price per meter)

10 549	13,01
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Mod. ABP 15



Type LK12



Type GAO

Type GAB



Type GIBC



	part no.	price EUR
For AdBlue®		
Hand lever piston pump model HPA	24 032	119,38
<ul style="list-style-type: none"> ■ For AdBlue ■ Polypropylene, EPDM-sealing ■ Angled spout ■ Plastic suction pipe for 50 - 200 ltr.-barrels, AG 2" ■ Approx. 0,3 ltr. / pass ■ Adapter for barrel G 2" / ext. th. Mauser 		
Hand lever piston pump model HPA-S	24 033	143,28
<ul style="list-style-type: none"> ■ Identical with model HPA but with ■ Delivery hose, 1200 mm ■ Delivery nozzle stainless steel, outside -Ø 19 mm 		
Hand lever piston pump model AF 10-AB	24 034	131,33
<ul style="list-style-type: none"> ■ For AdBlue ■ Polypropylene, EPDM-sealing ■ Angled spout ■ Plastic telescope suction pipe for 50 - 200 ltr.-barrels, connection thread 2" ■ Approx. 0,25 ltr. / pass 		
Hand lever piston pump model AF 10-AB-S	24 035	167,18
<ul style="list-style-type: none"> ■ Identical with model AF 10-AB, but with ■ Delivery hose, 1200 mm ■ Delivery nozzle stainless steel, outside -Ø 19 mm 		
Model ABM 200 DSM	28 237	2.190,00
For AdBlue®		
<ul style="list-style-type: none"> ■ Digital service management with data storage for users, orders and quantities ■ Control via 7" touch display ■ Quantity preselection or manual dispensing ■ 230 V mains plug for operation and battery charging ■ 12 V battery, 45 Ah (not included in scope of delivery) ■ Battery operation max. 8 hours / charging time approx. 10 hours ■ Electric pump, max. 8 ltr./min. ■ Quick connection for drum change incl. drum strap ■ 2 m oil delivery hose with automatic-nozzle, DN 20 ■ Sturdy chassis with 2 castors Ø 150 mm and 2 swivel castors, for holding a 60-200 litre drum ■ Dimensions approx. 921 x 722 x 1133 mm (L x W x H), approx. 56 kg 		
Assembly ready to connect for DSM model		149,-
Additional freight charges for DSM model		Request
Accessories		
Adapter for barrels type GAB	25 115	35,73
<ul style="list-style-type: none"> ■ Ext. th. 2"Mauser coarse thread / int. th. 2" BSP 		
Adaptor for canister AdBlue® type GA-K	25 145	35,73
<ul style="list-style-type: none"> ■ For use with 60 ltr. AdBlue® canister ■ 2" BSP female/DIN 61 		
Adaptor for canister AdBlue® type GA-T	25 146	41,71
<ul style="list-style-type: none"> ■ Designed for connection of AdBlue® canister to the Delphin Pro System ■ Thread Treasure female/DIN 61 		
Level indicator model FA 200	27 145	58,56
<ul style="list-style-type: none"> ■ Liquid level indicator for 200 ltr.-barrel, G 3/8" 		
AdBlue® filling hose for car type FS-AB	28 269	35,73
<ul style="list-style-type: none"> ■ By using this system a 5/10/20 ltr jerry can is easily be connected with filler neck of car. 		
AdBlue® adaptor for car type A-AB	28 224	95,48
<ul style="list-style-type: none"> ■ AdBlue® adaptor for refuelling car 		



Pumps for AdBlue®

To meet the emission standard Euro 5/6 for trucks and the American emission standards for cars the SCR-method, Selctive Catalytic Reaktion, is applied. Therefore a diluted urea solution AdBlue® or AUS 32 is used and in a separate tank of the vehicles carried. The exceeding quality standard of the product, defined in the "quality directives AUS 32" are also observed by the following structural parts and equipment.

Model ABP 10/230/1

- Electr. plastic pump assembly for AdBlue®
- Self-priming membrane pump, max. 10 ltr./min
- Electric power 230 V, 50 Hz, 0,12 kW
- 2 m cable connection with plug
- On-off switch
- 2 x Plug connector for hose NPS 19

Model ABP 35/230

- Electrical plastic delivery pump for AdBlue®.
- Self-priming membrane pump, max. 25l/min
- Electr. power system 230 V, 50 Hz, 0,3 kW.
- 2 m connecting cable with power plug
- Power switch
- 2 plug can adapter for hose NPS 19

Model ABP 35/12

- Electrical plastic delivery pump for AdBlue®.
- Self-priming membrahe pump, max. 25l/min
- Electr. drive 2 V, 18 A
- 2 m connecting cable with battery clamp
- Power switch
- **2 plug can adapter** for hose NPS 19
- **Manuel plastic nozzle**, NPS 19

Model ABP 35/24

- Identical to model ABP 35 G12, but
- Electr. drive 24 V, 9 A

Accessories

Snap closing type SEC-AB

- Snap closing for CDS suction hose connection

Suction hose type CDS-AB

- Suction hose with connection for SEC snap closing

Snap closing type SGV

- Transition for suction conduction at IBC-base valve

Suction hose type SG 20 AB

- 1,5 m suction hose NPS 20, with bottom valve for AdBlue®

Automatic nozzle type ZPA-AB/E

- For AdBlue®, with Axial-swivel joint 3/4"
- Parts in contact with media and spout in stainless steel, NPS 19

Automatic nozzle type ZPA 19-AB

- For AdBlue®, with Axial-swivel joint 3/4"
- Parts in contact with media made in plastic
- stainless steel spout NPS 19

Automatic nozzle type ZPA 15-AB

- For AdBlue®, with Axial-swivel joint 3/4"
- Parts in contact with media made in plastic
- stainless steel spout NPS 15

Nozzle type ZP 12 AB

- For AdBlue®, without automatic cut-off
- With spout in stainless steel, NPS 19

Model AB-Z

Digital plastic flow meter for AdBlue®. To assemble in tube or to connect to pump nozzle type ZPA-AB und ZPM-AB.

- LCD-display, single delivery 0,1 till 99.999 l
- Exactness of measurement +/- 1%, compression max. 10 bar
- Flow rate 6 till 100 l/min
- Connection 1" AG/1" AG

Metal bush type MU 1 AB

- Stainless steel bush with 1" int. th. for AdBlue®

part no.	price EUR
28 223	357,31
28 264	345,36
28 265	429,01
28 266	429,01
28 272	53,78
28 271	70,51
28 273	89,63
28 274	77,68
28 256	357,31
28 276	237,81
28 275	237,81
28 257	70,51
21 015	178,06
28 215	17,81



Mod. ABM 1000 Z-PKW



Mod. ABM 200 Z-PKW



Mod. ABS 200 A-PKW



Type ZPA-AB



Type ZPA-AB/Z

AdBlue®-delivery

To meet the emission standard Euro 5/6 for trucks and the American emission standards for cars the SCR-method, Selective Catalytic Reaktion, is applied. Therefore a diluted urea solution AdBlue® or AUS 32 is used and in a separate tank of the vehicles carried. The exceeding quality standard of the product, defined in the "quality directives AUS 32" are also observed by the following structural parts and equipment.

Modell ABS 1000 A-PKW

Electrical plastic pump assembly for AdBlue®
for use with IBC-container.

- Self-priming membrane pump, max. 10 ltr./min
- Electr. power 230 V, 50 Hz, 0,12 kW
- On-off switch
- Fuel hose 4 m, suction hose 2 m NPS 19
- Incl. snap closure type SEC-AB
- **Automatic nozzle** with stainless steel spout NPS 15

Modell ABS 1000 Z-PKW (without illustr.)

- Identical to model ABS 1000, but
- **Automatic nozzle with meter** with stainless steel spout NPS 15

Model ABM 200 A-PKW (without illustr.)

Mobile electrical plastic pump assembly for AdBlue®
for use with barrels and jerry cans

- Self-priming membrane pump, max. 10 ltr./min
- Electr. power 230 V, 50 Hz, 0,12 kW
- On-off switch
- Fuel hose 4 m, suction hose 2 m NPS 19
- Incl. snap closure type SEC-AB
- **With trolley ÖAM 200/2**
- **To use with 60 ltr. jerry can or 200 ltr. barrel**
- **Automatic nozzle** with stainless steel spout NPS 15

Modell ABM 200 Z-PKW

- Identical to model ABM 200 A-PKW, but
- **Automatic nozzle with meter** with stainless steel spout NPS 15

Model ABS 200 A-PKW

Electrical plastic pump assembly for AdBlue®
for use with barrels

- Self-priming membrane pump, max. 10 ltr./min
- Electr. power 230 V, 50 Hz, 0,12 kW
- On-off switch
- Fuel hose 4 m, suction hose 2 m NPS 19
- Incl. snap closure type SEC-AB
- **Automatic nozzle** with stainless steel spout NPS 15

Modell ABS 200 Z-PKW (without illustr.)

- Identical to model ABS 200 A-PKW, but
- **Automatic nozzle with meter** with stainless steel spout NPS 15

Accessories

Automatic nozzle type ZPA-AB

- For AdBlue® with axial swivel joint ¾"
- Parts in contact with media made in plastic
- stainless steel spout NPS 15

Automatic nozzle type ZPA-AB/Z

- For AdBlue® with axial swivel joint ¾"
- Parts in contact with media made in plastic
- stainless steel spout NPS 15
- with meter

part no.	price EUR
28 229	799,46
28 230	930,91
28 277	895,06
28 227	954,81
28 278	715,81
28 228	751,66
28 282	237,81
28 283	333,41

NEW



Mod. Delphin Pro IBC



Mod. Delphin Pro



Mod. Delphin Pro X



Type Delphin MAS

AdBlue®-delivery

To meet the emission standard Euro 5/6 for trucks and the American emission standards for cars the SCR-method, Selective Catalytic Reaction, is applied. Therefore a diluted urea solution AdBlue® or AUS 32 is used and in a separate tank of the vehicles carried. The exceeding quality standard of the product, defined in the "quality directives AUS 32" are also observed by the following structural parts and equipment.

Model Delphin Pro IBC

Fully automatic car filling system AdBlue® for garages for use with IBC container.

- Self-cleaning sensor avoids overfilling and stops the filling process automatically
- Multipurpose 2 m ISO -coupler, compatible to all types of car tanks
- Closed system with air return avoids leaking of smell and vapour
- Digital flow meter for display of dispensed quantity
- 230 V pump, flow rate adjustable, from 3 until 11 l/min.
- Dim. approx. 366x340x583 mm (LxWxH), 21,5 kg

Model Delphin Pro

Fully automatic car filling system AdBlue®, mobile, for garages for use with 60 l canister or 200 ltr. barrel

- Self-cleaning sensor avoids overfilling and stops the filling process automatically
- Multipurpose 2 m ISO -coupler, compatible to all types of car tanks
- Closed system with air return avoids leaking of smell and vapour
- Digital flow meter for display of dispensed quantity
- 230 V pump, flow rate adjustable, from 3 until 11 l/min.
- Dim. approx. 800x860x1200mm (LxWxH), 6 kg

Model Delphin Pro SEC

- Identical to model Delphin Pro but
- SEC adaptor for use with IBC tank (for transfer into barrel and canister)



Modell Delphin Pro X

Mobiles vollautomatisches PKW-Betankungssystem für AdBlue® für die Werkstatt, zur Verwendung mit 60 Ltr.-Kanistern oder 200 Ltr.-Fässern

- Identisch mit Modell Delphin Pro, jedoch mit
- Variable Einstellmöglichkeit:
 1. Volumenstrom: Manuelle Einstellung von 2 bis maximal 15 Ltr./min, um vollständige Kompatibilität mit allen Fahrzeugen zu gewährleisten
 2. Automatische Anpassung: Integrierte Funktion zum automatischen Anpassen des Volumenstrom an den jeweiligen Fahrzeugtyp
 3. Mengenvorwahl: Präzise Voreinstellung der Gesamtmenge an AdBlue®

Model Delphin Pro DC

- Identical to model Delphin Pro X but
- Network independent by battery supply (sufficient for approx. 50 filling operation)



Plus Transport charges for models Delphin Pro (mobile)

Manual Suction Device Type Delphin MAS

- Manual suction device for emptying of an overfilled tank, hose with integrated hand pump
- Storage in a 5 ltr. canister
- To be mounted at Delphin Pro devices

Retrofit Kit for Delphin Pro Type NRS-SEC

- Add-on kit for SEC connection
- Tank quick release fastener with V2A clamp and suction pipe with SEC-connector



part no.	price EUR
28 234	2.981,53
28 284	3,340,03
28 231	3.519,28
28 235	3.519,28
28 232	4.057,03
	Request
28 236	273,66
28 500	178,06



Mod. ABS 1000-LKW



Mod. ABS 200-LKW



Mod. ABM 200 A-LKW

AdBlue®-delivery

To meet the emission standard Euro 5/6 for trucks and the American emission standards for cars the SCR-method, Selective Catalytic Reaktion, is applied. Therefore a diluted urea solution AdBlue® or AUS 32 is used and in a separate tank of the vehicles carried. The exceeding quality standard of the product, defined in the "quality directives AUS 32" are also observed by the following structural parts and equipment.

Model ABS 1000-LKW

Electrical plastic pump assembly for AdBlue® for use with IBC-container.

- Self-priming membrane pump, max. 25 l/min
- Electric power system 230V, 50 Hz, 0,37kW.
- Power switch
- **Digital counter** with total volume display and resettable parts
- Fuel hose NPS 19 x 6 m
- Suction hose NPS 19 x 1,5 m
- Incl. snap closure Typ SEC-AB
- **Manuel plastic nozzle**, NPS 19

Model ABS 1000 A-LKW (without illustr.)

- Identical to model ABS 1000, but
- **Digital counter** with total volume display and resettable parts
- **Automatic-stainless steel nozzle**, NPS 19

Model ABS 200-LKW

Electrical plastic pump assembly for AdBlue® for use with barrels.

- Self-priming membrane pump, max. 25 l/min
- Electric power system 230V, 50 Hz, 0,37kW.
- Power switch
- **Digital counter** with total volume display and resettable parts
- Fuel hose NPS 19 x 6 m
- Suction hose NPS 19 x 1,5 m
- Incl. snap closure Typ SEC-AB
- **Manuel plastic nozzle**, NPS 19

Model ABS 200 A-LKW (without illustr.)

- Identical to model ABS 200, but
- **Digital counter** with total volume display and resettable parts
- **Automatic-stainless steel nozzle**, NPS 19

Model ABM 200-LKW (without illustr.)

Electrical plastic pump assembly for AdBlue® for use with barrels.

- Identical to model ABS 200, but
- **Digital counter** with total volume display and resettable parts
- **With barrel trolley ÖAM 200/2**

Model ABM 200 A-LKW

Electrical plastic pump assembly for AdBlue® for use with barrels.

- Identical to model ABS 200, but
- **Digital counter** with total volume display and resettable parts
- **With barrel trolley ÖAM 200/2**
- **Automatic-stainless steel nozzle**, NPS 19

part no.	price EUR
28 261	656,06
28 260	835,31
28 262	656,06
28 280	835,31
28 263	835,31
28 281	1.014,56

NEW IBC-drain pans are type examination tested according to the quality mark, TÜV-Hessen, WS-Ü 12/12-01 building code A part 1, consecutive no.: 15.22



Mod. W 01-IBC



Mod. P 01



Mod. P 02 A



Mod. PG 01



Mod. PG 02 A

Drain Pans for IBC-Container

Drain Pans Made Of Steel

Drain pans for IBC made of steel sheet, zinc coated, licensed by the regulations of the German Federal Office of technical Physics. Easy moving with forklift or hand lift.

Model W 01-IBC

Drain pan with grid and feet, zinc coated

- Capacity of pan 1.100 ltr.
- Max Load 2.000 kg , weight approx. 204 kg
- Dim. approx. 1300 x1360 x 350 mm (LxWxH)

Model W 02-IBC (without illustr.)

Drain pan without grid and feet, zinc coated

- Capacity of pan 1.100 ltr.
- Max Load 2.000 kg , weight approx. 157 kg
- Dim. approx. 1300 x1360 x 350 mm (LxWxH)

Plus Transport charges for models W-IBC

Drain Pans Made Of PE

IBC drain pans made of plastic (PE) licensed according the regulations of the German Federal Office of technical Physics. Easy moving with forklift or hand lift. Important: Only empty pan can be moved.

Model P 01

IBC drain pans made of plastic (PE), with supporting cross

- Capacity of pan 1.100 ltr.
- Max Load 1.500 kg, weight approx. 63 kg
- Dim. approx. 1460x1170x870 mm (LxWxH)

Model P 01 A (without illustr.)

IBC drain pans made of plastic (PE), with supporting cross

- Incl. Filling device
- Capacity of pan 1.100 ltr.
- Max Load 1.500 kg, weight approx. 65 kg
- Dim. approx. 16200x1170x870 mm (LxWxH)

Model P 02 A

IBC drain pans made of plastic (PE), with supporting cross

- Incl. Filling device
- Capacity of pan 1.100 ltr.
- Max Load 3.300 kg, weight approx. 87 kg
- Dim. approx. 2230x1460x440 mm (LxWxH)

Model PG 01

IBC drain pans made of plastic (PE), with zinc coated grid

- Capacity of pan 1.100 ltr.
- Max Load 1.500 kg, weight approx. 63 kg
- Dim. approx. 1460x1170x870 mm (LxWxH)

Model PG 01 A (without illustr.)

IBC drain pans made of plastic (PE), with zinc coated grid

- Incl. Filling device
- Capacity of pan 1.100 ltr.
- Max Load 1.500 kg, weight approx. 65 kg
- Dim. approx. 1620x1170x870 mm (LxWxH)

Model PG 02 A

IBC drain pans made of plastic (PE), with zinc coated grid

- Incl. Filling device
- Capacity of pan 1.100 ltr.
- Max Load 3.300 kg, weight approx. 87 kg
- Dim. approx. 2230x1460x440 mm (LxWxH)

Plus Transport charges for models P/PG

part no.	price EUR
25 154	1.428,03
25 155	2.145,03
	Request
25 148	1.069,53
25 149	1.189,03
25 150	2.025,53
25 151	1.428,03
25 152	1.428,03
25 153	2.384,03
	Request



Mod. TM-AB 200



Mod. TM-AB 450/230



Mobile AdBlue®-filling

Mobile AdBlue® filling station with ADR-admission. TÜV-geprüft. Tank with lockable cover made of MDPE with integrated fuel-filling facility (electronic pump).

Model TM-AB 250

- Tank capacity 250 l, with accessories, without pump
- Suction line with line filter
- Fuel tank gauge
- Dim. approx. 1200 x 800 x 625 mm (L x W x H)

Model TM-AB 250/12

- Similar to model TM-AB 250, but
- Electr. pump, flow rate approx. 30 l/min
- Connected load 12 V, protection system IP 54
- 4m fuel hose with automatic nozzle

Model TM-AB 250/24

- Similar to model TM-AB 250/12, but
- Electr. pump, flow rate approx. 30 l/min
- Connected load 24 V, protection system IP 54

Model TM-AB 250/230

- Similar to model TM-AB 250/12, but
- Electr. pump, flow rate approx. 35 l/min
- Connected load 230 V, protection system IP 54

Model TM-AB 250/12-Z

- Similar to model TM-AB 250/12, but
- **Incl. digital flow meter**
- Connected load 12 V, protection system IP 54

Model TM-AB 250/24-Z

- Similar to model TM-AB 250/12, but
- **Incl. digital flow meter**
- Connected load 24 V, protection system IP 54

Model TM-AB 250/230-Z

- Similar to model TM-AB 250/12, but
- **Incl. digital flow meter**
- Connected load 230 V, protection system IP 54

Model TM-AB 450

- Tank capacity 450 l, with accessories, without pump
- Suction line with line filter
- Fuel tank gauge
- Dim. approx. 1200 x 800 x 912 mm (L x B x H)

Model TM-AB 450/12

- Similar to model TM-AB 450, but
- Electr. pump, flow rate approx. 30 l/min
- Connected load 12 V, protection system IP 54
- 4 m fuel hose with automatic nozzle

Model TM-AB 450/24

- Similar to model TM-AB 450/12, but
- Electr. pump, flow rate approx. 30 l/min
- Connected load 24 V, protection system IP 54

Model TM-AB 450/230

- Similar to model TM-AB 450/12, but
- Electr. pump, flow rate approx. 35 l/min
- Connected load 230 V, protection system IP 54

Model TM-AB 450/12-Z

- Similar to model TM-AB 450/12, but
- **Incl. digital flow meter**
- Connected load 12 V, protection system IP 54

Model TM-AB 450/24-Z

- Similar to model TM-AB 450/12, but
- **Incl. digital flow meter**
- Connected load 24 V, protection system IP 54

Model TM-AB 450/230-Z

- Similar to model TM-AB 450/12, but
- **Incl. digital flow meter**
- Connected load 230 V, protection system IP 54

Carrying charges for TM-AB units not included

part no.	price EUR
28 285	1.422,05
28 286	1.900,05
28 287	1.900,05
28 288	1.900,05
28 289	2.019,55
28 290	2.019,55
28 291	2.019,55
28 292	1.661,05
28 293	2.258,55
28 294	2.258,55
28 295	2.258,55
28 296	2.378,05
28 297	2.378,05
28 298	2.378,05
	Request



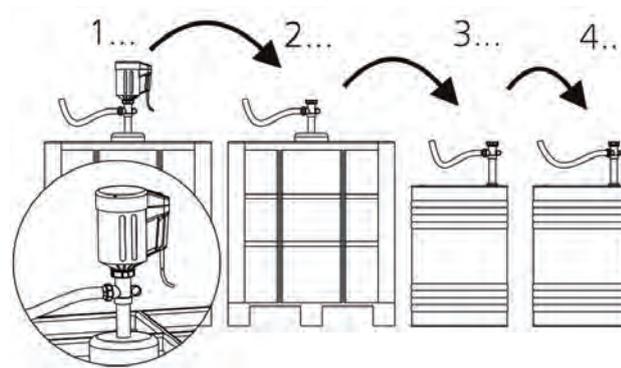
Electric drum and container pump

This feed pump is the result of careful development and offers a modern and convenient solution for the safe filling of liquids that are aggressive or hazardous to the aquatic environment. Feeding without mixing of different media guaranteed.

- Performance:** (depending on viscosity – see page 127)
- Connection to alternating current 230 V, protection class IP 44
 - Output about 90 ltr./min.
 - Fluid viscosity 0-300 cPs

Model WX 90

- Electric feed pump
- variable engine timing from 1100 to 3500 U/min. (7 steps)
- For flame-resistant and non-explosive liquids
- Scope of delivery without suction pipe and dispensing unit



Suction pipe made of polypropylene (PP)

- **Alkaline solution:**
Fluid alkaline solution, sodium hydroxide, potassium hydroxide, ammonia water, formic acid, acetic acid etc.
- **Acids:**
Hydrochloric acid, phosphoric acid, chromic acid, battery acid, citric acid

Suction pipe PP, length 1000 mm type SR 1000 PP-Set 28 410

- Incl. 2 m PVC Gewebehose NPS 19
- Incl. nozzle (PP)
- Incl. drum adapter and pump screw connection (PP), 2" out. th

Suction pipe PP, length 1200 mm type SR 1200 PP-Set 28 412

- Incl. 2 m PVC Gewebehose NPS 19
- Incl. nozzle (PP)
- Incl. drum adapter and pump screw connection (PP), 2" out. th

Model WX 90-Z

- Digital plastic flow meter
- LCD-display, single delivery 0,1 till 99.999 l, total display till 999.999 l
 - Exactness of measurement +/- 1%, compression max. 10 bar
 - Display position movable in 4 positions
 - Flow rate 6 till 100 ltr./min
 - Battery operated
 - Connection 1" out. th./1" out. th.

part no.

price EUR

28 400

352,53

28 410

233,03

28 412

233,03

28 414

213,91



Hand pumps for petrol and 2-stroke-mixture

Hand lever piston pump model HPB

- For petrol and 2-stroke-mixture, inflammable fluids class R12
- Zinc-coated steel, Viton-sealing
- Angled spout
- Steel telescope suction pipe for 50 - 200 ltr.-barrels, ext. th. 2" and R11/2"
- Earth cable with clamp
- Approx. 0,35 ltr. / pass

Hand lever piston pump model HPB 1

- For petrol or oil/petrol mixture, dangerous class R12
- Aluminum, viton seals
- Dispensing hose DN 19x1,5 m with rigid nozzle and bend protection
- Steel made telescopic suction pipe for 50-200 ltr. barrel
- Connection 2" and M64x4
- Ground cable with clamp
- Approx. 0,25 ltr. / stroke

Petrol jerrycans

Jerrycans made of HDPE or metal for transport of liquid fuels.

When ordering packing unit (PU) we grant you a quantity discount of 10%.

Model KKB

Robust jerrycan made of HDPE, red, suitable for liquid fuels, **not calibratable**

- Flexible discharge spout with integral ventilation
- Cover cap is secured against loss with flex. band
- Robust and resistant against impact
- TÜV-approved, UN/BAM-approved

Type KKB 5 for 5 ltr.

Type KKB 10 for 10 ltr.

Type KKB 20 for 20 ltr.

Model MKB

Robust Jerrycan made of metal, olive-green, suitable for liquid fuels, **not calibratable**

- Internally painted
- Safe lock
- TÜV-approved, UN-approved

Type MKB 5 for 5 ltr. (PU 5)

Type MKB 10 for 10 ltr. (PU 5)

Type MKB 20 for 20 ltr. (PU 4)

Flexible discharge spout type MKB-AF

- Für Metallkanister Type MKB, 240 mm lang

part no.	price EUR
24 031	149,26

24 002	179,13
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24 200	20,20
24 201	23,78
24 202	35,73

24 204	53,66
24 205	59,63
24 206	71,58

24 208	23,78
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Electric Pumps for Petrol and similar

Self-priming, explosion protected vane pump with ATEX licence, Ex dIIA T4 Gb, suitable for fluids according to dangerous class A 1 (flash point <21°C).

Electric Vane Pump Model BAS

- Self-priming vane pump, max. 50 ltr/min
- For petro or oil/petrol mixture, kerosene, Diesel
- Power, 230 V 50 Hz, 0,25 kW
- Plus integrated Bypass-overpressure control and non-return valve
- Flange connection 1" female
- Power supply with 4 m cable
- 2" barrel adaptor, suction filter and nozzle holder
- Ground cable with clamp
- Approx. 50ltr. /min
- With ATEX licence

Electric Vane Pump Model BAS 200

- Identical to model BAS but with
- Telescopic suction pipe up to 1100 mm
- Connection Thread 2"
- 4 m Dispensing hose DN 20
- **Automatic nozzle**
- Filter 30 µm
- With ATEX licence

Electric Vane Pump Model BAS 200-Z

- Identical to model BAS but with
- Telescopic suction pipe up to 1100 mm
- Connection Thread 2"
- **Incl. flow meter**
- Accuracy +/- 1% (16-80 ltr./min)
- 4 m Dispensing hose DN 20
- **Automatic nozzle**
- Filter 30 µm
- With ATEX licence

Flow Meter Model BAZ

- Resettable dispensing counter, 3-digit
- Non-resettable totalizer, 6-digit
- Viton seals
- Measuring range 20-120 ltr/min, accuracy +/- 1%
- Connection 1" male/1" female

Accessories

Water Separating Filter with Holder type HFV

- Filter (2x) with screwable cartridge for the supply side of lubrication systems, including 1" holder
- Suitable for BioDiesel, Diesel and petrol
- Filter 30 µm
- Flow: rate 70 l/min operation pressure 3,5 bar

Oil Filter with Holder type HFÖ

- Filter (1x) with screwable cartridge for the suction and supply side of lubrication systems, including 1" holder
- Suitable for BioDiesel, Diesel and petrol
- Filter 10 µm
- Flow: rate 100 l/min operation pressure 12 bar

part no. price EUR

28 070 678,76

28 071 834,11

28 072 1.192,61

28 023 352,53

28 503 154,16

28 505 118,31



Mod. GÖK 60/2 HP



Mod. GÖK 35/1 HP



Mod. GÖK 60/2 P



Mod. GÖK 80 P

Manual version

Suitable for oil up to SAE 140 (SAE 90)

- Approx. 0,25 ltr. discharge capacity per pass

Model G 60 HP (without illustr.)

- Hand lever pump with 1,5 m dispenser hose with spout, incl. gate valve
- For 60 ltr.-container
- Weight approx. 3 kg
- Delivery without cart

Model GÖK 60/1 HP

- Hand lever pump with 1,5 m dispenser hose with spout, incl. gate valve
- Chassis type ÖAM 60/1 with 2 rollers Ø 155 mm and 2 steering rollers Ø 80 mm
- For 20-60 ltr.-container
- Weight approx. 14 kg
- Dim. approx. 500 x 450 x 150 mm (L x W x H)

Model GÖK 200/2 HP (without illustr.)

- Hand lever pump with 1,5 m dispenser hose with spout, incl. gate valve
- Chassis type ÖAM 200/2 with 2 rollers and 2 swivel castors
- For 200 ltr.-container
- Weight approx. 29 kg
- Dim. approx. 800 x 650 x 1050 mm (L x B x H)

Model GÖK 35/1 HP

- Hand lever pump with 1,5 m dispensing hose with spout, incl. gate valve
- Mobile with 30 ltr.-container
- 2 rubber rollers Ø 100 mm
- Filling funnel Ø 150 mm
- Weight approx. 16 kg
- Dim. approx. 340 x 380 x 940 mm (L x B x H)

Model GÖK 80 HP (without illustr.)

- Hand lever pump with 1,5 m dispensing hose with spout, incl. gate valve
- Mobile **with 80 ltr.-container**
- 2 wheels, 2 swivel castors and swivel bracket
- Filling funnel Ø 150 mm
- Weight approx. 35 kg
- Dim approx. 600 x 430 x 1215 mm (L x B x H)

Pneumatic version

Suitable for oil up to SAE 140

- Approx. 3,5 ltr. discharge capacity per min.

Model GÖK 60/1 P, pneum. pump

- Pneum. pump OP 90 D 30/1, suction capacity 530 mm with 1,5 m dispensing hose with spout, incl. gate valve
- Chassis type ÖAM 60/1 with 2 rollers Ø 155 mm and 2 steering rollers Ø 80 mm
- For 20 - 60 ltr.-container
- Weight approx. 18 kg
- Dim approx. 500 x 450 x 150 mm (L x W x H)

Model GÖK 200/1 P, pneum. pump (w. illustr.)

- Pneum. pump OP 90 D 30/1, suction capacity 530 mm with 1,5 m dispensing hose with spout, incl. gate valve
- Chassis type ÖAM 200/1 with 2 rollers Ø 200 mm and 2 steering rollers Ø 80 mm
- For 200 ltr.-container
- Weight approx. 29 kg
- Dim. approx. 800 x 650 x 150 mm (L x W x H)

Model GÖK 80 P

- Identical with Mod. GÖK 80 HP, but:
- Pneum. pump OP 90 D 25/1, suction pipe 530 mm mit 1,5 m delivery hose with outlet spout incl. gate valve
- Mobile **with 80 Ltr.-container**

part no. price EUR

23 042 130,26

23 004 273,66

23 001 405,11

23 018 321,46

23 007 412,28

23 005 691,91

23 006 871,16

23 009 768,27



Digital Dispensing Sets

The new mobile and battery-operated RAPID dispensing sets with 7" touch display are designed to hold 60 - 200 litre drums and are available for the digital recording of oil, coolant or AdBlue® dispensing. Dispensing quantities and order data are documented with date and time. The data can be transferred via USB stick or WiFi. Thanks to battery technology, the devices can be operated independently of the mains or using a 230 V mains plug. The very low loading surface of the trolley makes it quick and easy to change drums. **12 V, 45 Ah rechargeable battery not included.** A gel car battery is recommended.

Model GAM 200 DSM

For gear oils

- Digital service management with data storage for users, orders and quantities
- Control via 7" touch display
- Quantity preselection or manual dispensing
- 230 V mains plug for operation and battery charging
- 12 V battery, 45 Ah (not included in scope of delivery)
- Battery operation max. 8 hours / charging time approx. 10 hours
- Electric pump, max. 2 ltr./min. (depending on visc.)
- Quick connection for drum change incl. drum strap
- 2 m oil delivery hose with flexible gearbox oil outlet
- Sturdy chassis with 2 castors Ø 150 mm and 2 swivel castors, for holding a 60-200 litre drum
- Dimensions approx. 921 x 722 x 1133 mm (L x W x H), approx. 56 kg

Assembly ready to connect for GAM 200 DSM

Additional freight charges for GAM 200 DSM

Model GÖK 7

- Gear oil filler with hand lever pump, incl. 1,5 m dispensing hose with spout
- Connection-adapter-set for automatic- and gearbox
- Volume 7,5 Ltr.
- Connection-adapter-set car models as follows: Audi, Audi-CVT, Audi-DSG, BMW, Ford, Honda, Nissan, Mercedes, Mini-Cooper, Porsche, VW, 1/8", M 10x1, M 12x1,5, M22x1,5, M24x1,5 and universal-adapter

Accessories

Quick change connection, fixed type AR-SSK

Quick change connection in order to fill gears in conjunction with oil change adapter for use with Rapid-oil gear trolleys.

- Fixed with hose nozzle NPS 12 and -clip

Quick change connection, flexible type AF-SSK

Quick change connection in order to fill gears in conjunction with oil change adapter for use with Rapid-gear oil trolleys or counter.

- Flexible with 1/2" ext. th. connection

Filling pipe type BR-G

Universal filling pipe for gear oils.

- Usable for quick change connection

Oil change adapter type G-7GMB

Oil change adapter for 7G-Tronic gears (NAG 2) usable for MB-vehicles.

- Suitable for quick change connections

Oil change adapter type G-DSG 02E

Oil change adapter for 6-speed direct shift gearbox DSG 02E from VW, Audi and Seat.

- For emptying and filling
- Suitable for quick change connections

part no.	price EUR
23 045	2.190,00
	149,- Request
23 019	357,31
23 503	32,86
23 506	47,20
23 505	32,86
23 504	32,86
23 507	154,75

Please note:

Model regulated drain pans for storage of 200 ltr. barrels are shown on page 58.



Mod. GAM 200/2 ZP



Mod. GAM 200/2 SZP



Mod. GAM 200/2 SZE

Mobile Version

This mobile oil dispenser set truck is designed for use with 200 ltr.-barrel, available in calibratable and non-calibratable version. The low levelled loading floor makes barrel change easy and fast.

Basic version :

- Solid trolley type ÖAM 200/2 or ÖAM 200-S/2 with 2 wheels and 2 castors
- Electric or pneumatic oil pump
- 2 m oil dispensing hose NPS 16
- Digital flow meter incl. outlet pipe and holder

Performance: (depending on degree of viscosity - see p. 240)

- **Pneumatic pump** max. 5 ltr./Min
- Air inlet pressure max. 8 bar (160 PSI)
- Type OP 90 D 25/1 (1:5) incl. pressure reducer D/M 06

- **Electrical pump** max. 7 Ltr./min
- Connection 230 V~, 50 Hz, 1,1 kW
- Type OP 145 E/1 (on-off-switch)
- Type OP 145 ED/1 (pressure switch for additional charge available)
- With connecting cable and power plug

Model GAM 200/2 ZP, pneum. Pump

- Pneum. pump type OP 90 D 25/1, incl. suction pipe
- Digital flow meter type LCD 18/1
- Dim. approx. 920 x 780 x 1000 mm (L x W x H), 46 kg
- **Non-calibratable**

Model GAM 200/2 SZP, pneum. pump

- Identical to model GAM 200/2 ZP but with
- Automatic hose reel type 9.10.16/1, 10 m NPS 16
- Dim. approx. 920 x 780 x 1000 mm (L x W x H), 56 kg
- **Non-calibratable**

Model GAM 200/2 ZE, electr. pump

- Electr. pump type OP 145 E/1, incl. 1" suction hose
- Digital flow meter type LCD 18/1
- Dim. approx. 920 x 780 x 1000 mm (L x W x H), 48 kg
- **Non-calibratable**

Model GAM 200/2 SZE, electr. pump

- Identical to model TÖAM 200/2 ZE but with
- Automatic hose reel type 9.10.16/1, 10 m NPS 16
- Dim. approx. 920x780x1000 mm (L x W x H), 58 kg
- **Non-calibratable**

**Extra charge for assembling ready to use
Plus Transport charges for models P/PG**

- Only for pre-assembly

Accessories

Add.charge for press. switch for electr. pump type MD

- Assembly including pressure switch for GAM

part no.	price EUR
23 030	1.368,28
23 031	1.965,78
23 032	1.726,78
23 033	2.324,28
	199,- Request
20 199	316,68

Stationary version

These compact and handy version is suitable for 200 ltr. barrels. It facilitates a comfortable oil supply within a radius of 10 m.

Basic version:

- Mounting bracket for 200 Ltr. barrels
- Electric or pneumatic oil pump
- Digital flow meter incl. outlet pipe and holder

Performance: (depending on degree of viscosity - see p. 240)

- **Pneumatic pump** max. 5 ltr./Min
- Air inlet pressure max. 8 bar (160 PSI)
- Type OP 90 D 25/1 (1:5) incl. pressure reducer D/M 06

- **Electrical pump** max. 7 Ltr./min
- Connection 230 V~, 50 Hz, 1,1 kW
- Type OP 145 E/1 (on-off-switch)
- Type OP 145 ED/1 (pressure switch for additional charge available)
- With connecting cable and power plug

Model GAS 200 ZP, pneum. pump

- Pneum. pump type OP 90 D 25/1, incl. suction pipe
- Oil dispensing hose type ÖVS 05.16, 5 m, NPS 16
- Hose end meter, digital, Typ LCD 18/1
- **Not calibratable**

Model GAS 200 SZP, pneum. pump

- Pneum. pump type OP 90 D 25/1, incl. suction pipe
- Automatic hose reel typ 9.10.16/1, 10 m, NPS 16
- Hose end meter, digital, type LCD 18/1
- **Not calibratable**

Model GAS 200 ZE, electr. pump

- Electrical pump type OP 145 E/1
- Oil dispensing hose type ÖVS 05.16, 5 m, NPS 16
- Hose end meter, digital, Typ LCD 18/1
- **Not calibratable**

Model GAS 200 SZE, electr. pump

- Electrical pump type OP 145 E/1
- Automatic hose reel typ 9.10.16/1, 10 m, NPS 16
- Hose end meter, digital, type LCD 18/1
- **Not calibratable**

Assembly ready to connect for GAS Plus Transport charges for models P/PG

- Only for pre-assembly

Higher performance version on request

Accessories

Add.charge for press. switch for electr. pump type MD

- Assembly including pressure switch for GAS

part no.

Preis EUR

23 034

890,28

23 035

1.487,78

23 036

1.248,78

23 037

1.846,28

99,-
Request

20 199

316,68



Mod. GAS 200 SZP



Mod. GAS 200 ZE



Mod. GAS 200 SZE

Please note:

Model regulated drain pans for storage of 200 ltr. barrels are shown on page 58.



Inkl. D/M 06

Mod. GAS 1000 P



Mod. GAS E



Mod. GAS 1000 E

Stationary Version

A ready-for-use oil dispenser set provides optimal oil supply using only little space. Moreover this oil dispenser complies with the requirements of the WHG.

Basic model for T/S-tank or T/R-tank

- Rugged mounting plate for the tank
- Electrical or pneumatic oil pump
- Suction hose going from the pump to the reel
- Axial swivel joint for optimise the use
- Digital flow meter incl. outlet pipe and holder
- Delivery does not include tank (see page 80)

Performance: (depending on degree of viscosity - see p. 240)

- **Pneumatic pump** max. 5 ltr./Min
- Air inlet pressure max. 8 bar (160 PSI)
- Type OP 90 D 25/1 (1:5) incl. pressure reducer D/M 06

- **Electrical pump** max. 7 ltr./min
- Connection 230 V~, 50 Hz, 1,1 kW
- Type OP 145 E/1 (on-off-switch)
- Type OP 145 ED/1 (pressure switch for additional charge available)
- With connecting cable and power plug

Model GAS P, pneum. pump

- Pneum. pump type OP 90 D 25/1, incl. suction hose and pressure reducer
- 5 m dispensing hose, NPS 16, swivel joint
- Hose end meter type LCD 18/1
- For 700 ltr. or 1000 ltr. tank T/S or T/R
- **Not calibratable**

Model GAS E, electr. pump

- Electr. pump type OP 145/1 E, incl. suction hose
- On-off-switch
- 5 m dispensing hose, NPS 16, swivel joint
- Hose end meter type LCD 18/1
- For 700 ltr. or 1000 ltr. tank T/S or T/R
- **Not calibratable**

Model GAS 1000 P, pneum. pump

- Pneum. pump type OP 90 D 25/1, incl. suction hose and pressure reducer
- Automatic hose reel type 9.10.16/1, 10 m, NPS 16, swivel joint
- Hose end meter type LCD 18/1
- For 700 ltr. or 1000 ltr. tank T/S or T/R
- **Not calibratable**

Model GAS 1000 E, electr. pump

- Electr. pump type OP 145/1 E, incl. suction hose
- Wired pressure switch for additional charge available
- Automatic hose reel type 9.10.16/1, 10 m, NPS 16, swivel joint
- Hose end meter type LCD 18/1
- For 700 ltr. or 1000 ltr. tank T/S or T/R
- **Not calibratable**

Assembly ready to connect for GAS

199,-

Higher performance version on request

Accessories

Add.charge for press. switch for electr. pump type MD

- Assembly including pressure switch for GAS

part no.

price EUR

23 038

1.009,78

23 039

1.368,28

23 040

1.667,03

23 041

2.025,53

20 199

316,68



Syringes

Syringes for filling, cleaning and emptying gear boxes and similar parts with oil. Made out of varnished sheet steel. Delivery with bent filling pipe, 135 mm in length.

Model SFS 250

- 0,25 ltr. capacity, Ø 40 mm
- Length without pipe approx. 270 mm

Model SFS 500

- 0,5 ltr. capacity, Ø 50 mm
- Length without pipe approx. 340 mm

Model SFS 1000

- 1 ltr. capacity, Ø 50 mm
- Length without pipe approx. 580 mm

Model SFS-K 500

- 0,5 ltr. capacity, Ø 50 mm, plastic
- Length without pipe approx. 340 mm

Model SFS-K 1000

- 1 ltr. capacity, Ø 50 mm, plastic
- Length without pipe approx. 580 mm

Accessories

Suction and dispensing hose type SFS-S

- Flexible, NPS 10, length approx. 300 mm

Oiler

High-quality oiler for professional usage during all service- and maintenance tasks in industry and crafts.

When ordering packing unit (PU) we grant you a quantity discount of 10%.

SPECIAL-pump oiler Model PÖ 250

- 0,25 ltr. tin plate container (PU 6)
- 165 mm aluminium spout, angled

Industrial oiler Model IÖ 200

- 0,20 ltr. zinc die casting container (PU 6)
- 135 mm aluminium spout, angled

Industrial oiler Model IÖ 500

- 0,50 ltr. zinc die casting container (PU 6)
- 165 mm aluminium spout, angled

Workshop oiler Model WÖ 200

- 0,20 ltr. HDPE-container, white (PU 6)
- 135 mm aluminium spout, angled

Workshop oiler Model WÖ 300

- 0,30 ltr. HDPE-container, white (PU 6)
- 165 mm aluminium spout, angled

Oiler Model Ö 250

- 0,25 ltr. LDPE-container, transparent (PU 10)
- Brass discharge spout, telescopic from 36 - 145 mm

Oiler Model Ö 500

- 0,50 ltr. LDPE-container, transparent (PU 10)
- Brass discharge spout, telescopic from 36 - 180 mm

part no.

price EUR

23 014

22,59

23 015

24,98

23 016

30,95

23 043

59,63

23 044

71,58

23 502

6,45

23 020

21,39

23 021

29,76

23 022

35,73

23 023

26,17

23 024

28,56

23 025

6,57

23 026

7,05



Mod. KK



Mod. KK-A



Mod. BKF



Mod. BK



Mod. KB



Mod. KWK

Measuring cups, measuring cans and funnels

For controlled filling and dispensing of oil.
When ordering packing unit (PU) we grant you a quantity discount of 10%.

Basic version:

- Stable and resistent to rupture
- Oil and acid resistant
- Designed for practical handling
- High brim for save pouring
- handle for comfortable use

Model KK

Plastic can with outlet funnel and scale.

- Outlet with protection cover and protection cap

Type KK 1 für 1 ltr. (PU 6)

Type KK 2 für 2 ltr. (PU 6)

Type KK 3 für 3 ltr. (PU 6)

Type KK 5 für 5 ltr. (PU 6)

Accessories

Flexible outlet pipe for plastic can (PU 6)

Type KK-A1 for 1 ltr. plastic can

Type KK-A2 for 2 ltr. plastic can

Type KK-A3 for 3-5 ltr. plastic can

Model BKF

Tin can with metal flex spoud and scale,

Type BKF 1 for 1 Ltr. (PU 6)

Model BK

Tin can with outlet funnel and scale.

Type BK 0,5 for 0,5 Ltr. (PU 5)

Type BK 1 for 1 Ltr. (PU 5)

Type BK 2 for 2 Ltr. (PU 5)

Model BK-Set

Type BK-Set

- Tin can 1 Ltr. and 2 Ltr.

Model KB

Plastic liquid measure, transparent with scale

Type KB 0,5 for 0,5 ltr. (PU 12)

Type KB 1 for 1 ltr. (PU 6)

Type KB 2 for 2 ltr. (PU 6)

Type KB 3 for 3 ltr. (PU 6)

Type KB 5 for 5 ltr. (PU 6)

Model KB-Set

Type KB-Set

- Plastic liquid measure 1 Ltr., 3 Ltr. and 5 Ltr.

Model KWK

Can for anti-freeze, made of polyethylene, black

- with sealing cap and filter

Type KWK for 11 ltr.

part no. price EUR

24 101 11,83

24 102 15,42

24 103 20,20

24 104 23,78

24 113 3,11

24 145 3,47

24 146 4,18

24 147 20,20

24 105 13,03

24 106 16,61

24 107 21,39

24 159 35,73

24 108 5,86

24 109 8,25

24 110 13,03

24 111 20,20

24 112 32,15

24 160 35,73

24 149 41,71



Funnels

For controlled filling and dispensing of oil.
 ■ Oil, acid and fuel resistant

When ordering packing unit (PU) we grant you a quantity discount of 10%.

Model KT

Plastic funnel

Type KT 100 Ø 100 mm, 0,25 ltr. (PU 10)

Type KT 120 Ø 120 mm, 0,27 ltr. (PU 10)

Type KT 150 Ø 150 mm, 0,7 ltr. (PU 10)

Type KT 200 Ø 200 mm, 2,9 ltr. (PU 6)

Type KT-Satz Ø 50, 75, 100 and 120 mm (VE PU)

Type KTH 160 for Ø 160 mm, 1,2 ltr. (PU 5)

- Ergonomic and safe handle
- High overflow rim functions as splash guard
- Removable strainer, brass

Type KTF 160 for Ø 160 mm, 1,2 ltr. (PU 6)

- Identical with type KTH 160, but with:
- Flex spoud, removable

Type KTK 160 for Ø 160 mm, 1,2 ltr. (PU 6)

- Angled tube, safety discharge spoud
- High overflow rim fundctions as splash guard
- Removable strainer, brass

Type KTD 250 Ø 250 mm, 2,0 ltr.

- funnel with flap lid, 2" AG

Model BT

Tin funnel with strainer

- High rim as splash guard
- Removable fine brass strainer

Type BT 160 Ø 160 mm, incl. strainer, 1,3 Ltr. (VE 10)

Type BT 200 Ø 200 mm, incl. strainer, 3,2 Ltr. (VE 6)

Accessories

Flexible discharge spout-metal for funnels

Type BT-A for type BT 160 and BT 200, to screw-on

Model KTU

NEW

Type KTU 120 Ø 120 mm

Multipurpose plastic funnel

- Funnel to be fixed by universal clamping device
- Control by transparent line
- Suitable for various types of vehicles
- Clamp system also suitable for other funnels

Measuring cans

For controlled filling and dispensing of oil.

Model BE

Measuring canmade of galvanised sheet steel with funnel discharge spout

- Handle and swivelling carrying handle
- Calibratable

Type BE 5/E for 5 ltr.

Type BE 10/E for 10 ltr.

part no.	price EUR
24 114	3,47
24 115	4,06
24 116	5,26
24 117	7,17
24 144	5,86
24 150	9,44
24 151	10,64
24 152	19,00
24 158	35,73
24 118	21,39
24 119	23,78
24 153	11,83
24 161	46,61
24 156	166,11
24 157	190,01



Petrol jerrycans

Jerrycans made of HDPE or metal for transport of liquid fuels.

When ordering packing unit (PU) we grant you a quantity discount of 10%.

Model KKB

Robust jerrycan made of HDPE, red, suitable for liquid fuels, **not calibratable**

- Flexible discharge spout with integral ventilation
- Cover cap is secured against loss with flex. band
- Robust and resistant against impact
- TÜV-approved, UN/BAM-approved

Type KKB 5 for 5 ltr.

Type KKB 10 for 10 ltr.

Type KKB 20 for 20 ltr.

Model AKB

Robust jerrycan made of HDPE, steel-grey, suitable for liquid fuels, **not calibratable**

- Flexible discharge spout with integral ventilation
- Cover cap is secured against loss with flex. band
- Robust and resistant against impact
- Dimensions compatible with military jerrycans
- TÜV-approved, UN/BAM-approved

Type AKB 20 for 20 ltr.

Model MKB

Robust Jerrycan made of metal, olive-green, suitable for liquid fuels, **not calibratable**

- Internally painted
- Safe lock
- TÜV-approved, UN-approved

Type MKB 5 for 5 ltr. (PU 5)

Type MKB 10 for 10 ltr. (PU 5)

Type MKB 20 for 20 ltr. (PU 4)

Accessories

Flexible discharge spout type MKB-AF

- Für Metallkanister Type MKB, 240 mm lang

part no.	price EUR
24 200	20,20
24 201	23,78
24 202	35,73

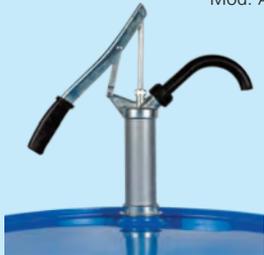
24 203	47,68
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24 204	53,66
24 205	59,63
24 206	71,58

24 208	23,78
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Mod. AF 10



Mod. HP 012/2



Mod. HP 840



Mod. HP 800



Mod. HP 910



Mod. HP 700



Mod. HP 100

For self-lubricating non-aggressive fluids

Hand lever piston pump model AF 10

- For Diesel, fuel oil, lubes up to max. 150 mm²/s
- Polypropylene, NBR-sealing
- Angled spout,
- Plastic telescope suction pipe for 50 - 200 ltr.-barrels, connection thread 2"
- Approx. 0,25 ltr. / pass

Hand lever piston pump model 13012/1

- For Diesel, fuel oil, lubes up to max. 150 mm²/s
- Zinc-coated steel, NBR-sealing
- Angled spout
- Plastic telescope suction pipe for 50 - 200 ltr.-barrels, connection thread 2"
- Approx. 0,3 ltr. / pass

Hand lever piston pump model HP 840

- For Diesel, fuel oil, light lubes
- Aluminium, NBR-sealing
- Dispensing hose DN 18 x 1,5 m outlet pipe, lockable
- Steel suction pipe for 50 - 200 ltr.-barrels, connection thread 2"
- Approx. 0,3 ltr. / pass

Hand lever piston pump model HP 800

- For Diesel, fuel oil, light lubes
- Aluminium, NBR-sealing
- Lockable, angled spout
- Steel suction pipe for 50 - 200 ltr.-barrels, connection thread 2"
- Approx. 0,35 ltr. / pass

Hand lever piston pump model HP 910

- For Diesel, fuel oil, lubes up to max. 150 mm²/s
- Polypropylene, NBR-sealing
- Angled spit 360° rotatable
- Plastic telescope suction pipe for 50 - 200 ltr.-barrels, connection thread 2"
- Approx. 0,5 ltr. / pass

Hand lever piston pump model HP 700

- For Diesel, fuel oil, light lubes
- Aluminium, NBR-sealing
- Angled spout, footprint for cans with overflow collecting
- Steel suction pipe for 50 - 200 ltr.-barrels, connection thread 2"
- Approx. 0,5 ltr. / pass, delivery without measuring cup

Rotary vane pump model HP 100

- For Diesel, fuel oil, light lubes
- Aluminium, NBR-sealing
- Dispensing hose DN 18 x 1,5 m with outlet pipe and bend protection,
- Steel suction pipe for 50 - 200 ltr.-barrels, connection thread 2"
- Approx. 0,3 ltr. / round

part no.	price EUR
24 005	83,53
24 003	50,07
24 004	101,46
24 017	89,51
24 038	119,38
24 027	149,26
24 022	149,26



Please note:

* Unless stated otherwise inflammable materials of hazard category R10, R11 and R12 (A1, All Gef.Kl.-VbF) are not permitted to be discharged.

** Please pay attention when choosing the pumps that the used fluids won't damage the stated materials of the pumps.

For self-lubricating non-aggressive fluids

Rotary vane pump model HP 113

- For Diesel, fuel oil, light lubes
- Aluminium, NBR-sealing
- Angled spout DN 25,
- Steel suction pipe for 50 - 200 ltr.-barrels, connection thread 2"
- **Approx. 1,0 ltr. / round**

Lift pump model LPS 25

- For thin oils, coolant concentrate, glycerine, washing-up liquid
- Polypropylene, steel, NBR-sealing
- Angled spout, universal thread for all established connections on canisters,
- Suction pipe length 500 mm
- Approx. 0,25 ltr. / pass

Lift pump model LPS 200

- Identical with model LPS 25, but with
- Adapter for threads 2", suction pipe length 1000 mm

Pneum. piston pump model AF 15

- For Diesel, fuel oil, lubes up to max. 200 mm²/s
- Polypropylene, NBR-sealing
- Angled spout locable
- Plastic telescope suction pipe for 50 - 200 ltr.-barrels, connection thread 2"
- Compressed air drive system with ratio 1:1, max. 7 bar
- Max. 20 ltr. / min., depending on degree of viscosity

Accessories

Dispensing hose type AS 25

- For rotary piston pump model HP 113
- Hose NPS 25 x 1,5 m
- Outlet pipe

Angled spout type AB 20

- For rotary vane pump HP 100

Level indicator model FA 200

- Liquid level indicator for 200 ltr.-barrel, G 3/8"

Key for barrels model FS 200

- For 60-200 Ltr.-barrels



Thread Adaptor Type GA-F

- 2" female incl. 2 winged screws; for barrel w/o thread

Adapter for barrels type GAO

- Ext. th. Pressure coarse thread / int. th. 2" BSP

Adapter for barrels type GAB

- Ext. th. 2" Mauser coarse thread / int. th. 2" BSP

Adapter for barrels type GAG

- Ext. th. DIN 61/31 Ø 59 / int. th. 2" BSP

Adapter for barrels type GA-M-AB

- for Mauser-Barrels

Adapter for barrels type

- for Greif-Barrels

IBC-Adaptor Type GIBC-150

- Screw Cap for IBC container, 2" BSP female
- Thread 155*4 female, Ø 185 mm, DN 150

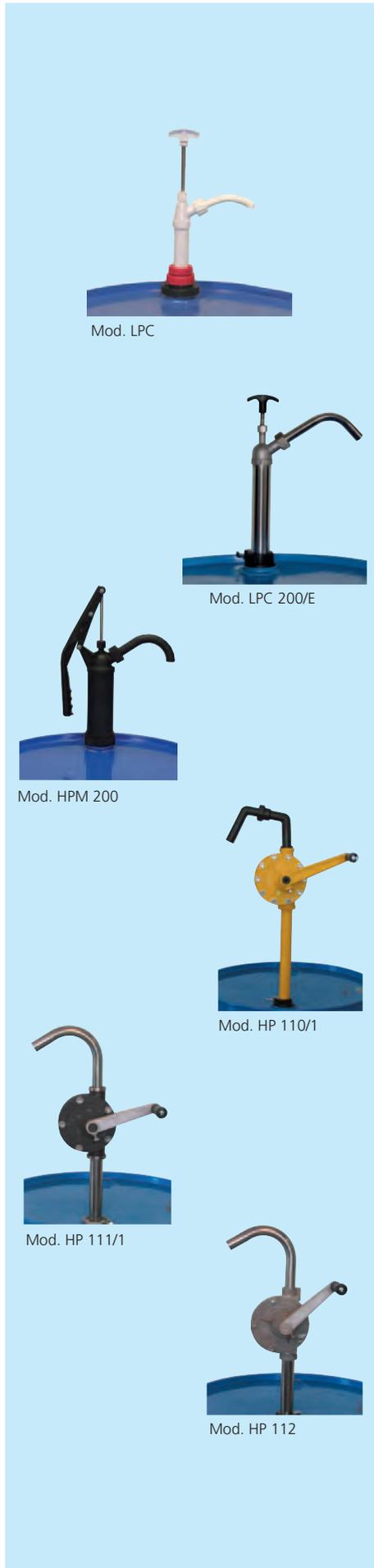
IBC-Adaptor Type GIBC-225

- Screw Cap for IBC container, 2" BSP female
- Thread 155*4 female, Ø 185 mm, DN 225

Universal adapter type UAS

- For lift pumps model LPS / LPC
- M 64x4 up to G 2"

part no.	price EUR
24 028	214,98
24 012	47,68
24 013	52,46
24 006	298,63
24 137	101,46
21 215	23,78
27 145	58,56
25 102	58,56
25 156	47,68
25 114	35,73
25 115	35,73
25 116	35,73
25 122	35,73
25 123	35,73
25 179	29,76
25 180	41,71
24 021	33,34



For aggressive fluids and chemicals

Lift pump model LPC 25

- For thin fluids e.g. acetone, caustic soda solution and others according to compatibility of material
- Nylon PA 6, stainless steel, PTFE-sealing
- Angled spout, universal thread for all established connections on canisters,
- Suction pipe length 500 mm
- Approx. 0,25 ltr. / pass

Lift pump model LPC 200

- Identical with model LPC 25, but with
- Thread adapter 2" (PP), suction pipe length 1000 mm

Lift pump model LPC 200/E

- For thin fluids e.g. acids, brines and others according to compatibility of material
- Stainless steel, PTFE-sealing,
- Angled spout
- Stainless steel suction pipe, 2" thread adapter (PP), for 200 ltr.-barrels
- Approx. 0,25 ltr. / pass

Hand lever piston pump model HPM 200

- For water, acids, brines and others according to compatibility of material and a viscosity of max. 35 mm²/s
- PPS (Ryton), stainless steel, Viton-sealing
- Angled spout, plastic telescope suction pipe for 50 - 200 ltr.-barrels, connection thread 2"
- Approx. 0,3 ltr. / pass

Rotary vane pump model HP 110

- For thin oil and weak acids according to compatibility of material
- Polypropylene, Viton- and PE-sealing
- Angled spout
- Plastic suction pipe for 50 - 200 ltr.-barrels, AG 2"
- Approx. 0,3 ltr. / pass

Rotary vane pump model HP 111

- For water, acids and alkaline solutions according to compatibility of material
- PPS (Ryton), Viton- and Teflon-sealing
- Angled spout
- Plastic suction pipe for 50 - 200 ltr.-barrels, AG 2"
- Approx. 0,3 ltr. / pass

Rotary vane pump model HP 112

- For acids, brines and solvents according to compatibility of material
- Stainless steel 1.4301/PTFE, Viton- and PTFE-sealing
- Angled spout
- Plastic suction pipe for 50 - 200 ltr.-barrels, AG 2"
- Approx. 0,3 ltr. / pass

Accessories

Delivery hose type AS 25 L (without illustr.)

- For rotary vane pump model HP 112
- Hose NPS 25 x 1,5, food quality
- Outlet pipe and connection

part no.	price EUR
24 019	71,58
24 020	77,56
24 029	137,31
24 001	143,28
24 026	91,90
24 024	179,13
24 025	394,23
24 138	167,18



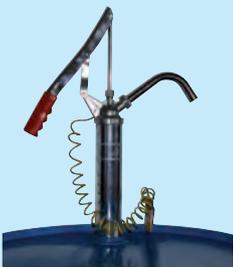
Mod. HPA



Mod. HPA-S



Mod. AF 10-AB



Mod. HPB



Mod. HPB 1

For AdBlue®

Hand lever piston pump model HPA

- For AdBlue
- Polypropylene, EPDM-sealing
- Angled spout
- Plastic suction pipe for 50 - 200 ltr.-barrels, AG 2"
- Approx. 0,3 ltr. / pass
- Adapter for barrel G 2" / ext. th. Mauter

Hand lever piston pump model HPA-S

- Identical with model HPA but with
- Delivery hose, 1200 mm
- Delivery nozzle stainless steel, outside -Ø 19 mm

Hand lever piston pump model AF 10-AB

- For AdBlue
- Polypropylene, EPDM-sealing
- Angled spout
- Plastic telescope suction pipe for 50 - 200 ltr.-barrels, connection thread 2"
- Approx. 0,25 ltr. / pass

Hand lever piston pump model AF 10-AB-S

- Identical with model AF 10-AB, but with
- Delivery hose, 1200 mm
- Delivery nozzle stainless steel, outside -Ø 19 mm

For Petrol

Hand lever piston pump model HPB

- For petrol and 2-stroke-mixture, inflammable fluids class R12
- Zinc-coated steel, Viton-sealing
- Angled spout
- Steel telescope suction pipe for 50 - 200 ltr.-barrels, ext. th. 2" and R1 1/2"
- Earth cable with clamp
- Approx. 0,35 ltr. / pass

Hand lever piston pump model HPB 1

- For petrol or oil/petrol mixture, dangerous class R12
- Aluminum, viton seals
- Dispensing hose DN 19x1,5 m with rigid nozzle and bend protection
- Steel made telescopic suction pipe for 50-200 ltr. barrel
- Connection 2" and M64x4
- Ground cable with clamp
- Approx. 0,25 ltr. / stroke

part no.	price EUR
24 032	119,38
24 033	143,28
24 034	131,33
24 035	167,18
24 031	149,26
24 002	179,13



Mod. HPM 200



Mod. HP 111/1



Mod. HP 112

For windscreen cleansing lotions

Hand lever piston pump model HPM 200

- For windscreen cleansing lotions
- PPS (Ryton), stainless steel, Viton-sealing
- Angled spout, plastic telescope suction pipe for 50 - 200 ltr.-barrels, connection thread 2"
- Approx. 0,3 ltr. / pass

Rotary vane pump model HP 111

- For windscreen cleansing lotions
- PPS (Ryton), Viton- and Teflon-sealing
- Angled spout
- Plastic suction pipe for 50 - 200 ltr.-barrels, AG 2"
- Approx. 0,3 ltr. / pass

Rotary vane pump model HP 112

- For windscreen cleansing lotions
- Stainless steel 1.4301/PTFE, Viton- and PTFE-sealing
- Angled spout
- Plastic suction pipe for 50 - 200 ltr.-barrels, AG 2"
- Approx. 0,3 ltr. / pass

part no. price EUR

24 001 143,28

24 024 179,13

24 025 394,23

Fluids and performance chart of hand pumps

part no.	model	suitable fluids	performance
23 042	G 60 HP	Gear oil up to SAE 90	0,25 ltr. / pass
24 001	HPM 200	Water and other aggressive fluids (GF AIII)	0,25 ltr. / pass
24 002	HPB 1	Petrol and simmilar	0,25 ltr. / pass
24 003	13012/1	Oil, diesel and coolant concentrate	0,25 ltr. / pass
24 004	HP 840	Oil, diesel and coolant concentrate	0,25 ltr. / pass
24 005	AF 10	Oil, diesel and coolant concentrate	0,25 ltr. / pass
24 006	AF 15	Oil, diesel and coolant concentrate	appr. 20 ltr. / min. (pneum.)
24 012	LPS 25	Lubes, diesel, fuel oil and other non-corrosive fluids	0,25 ltr. / pass
24 013	LPS 200	Lubes, diesel, fuel oil and other non-corrosive fluids	0,25 ltr. / pass
24 015	HPB 2	Petrol and simmilar	0,25 ltr. / round
24 016	HPB 2-Z	Petrol and simmilar	0,25 ltr. / round
24 017	HP 800	Oil, diesel and coolant concentrate	0,25 ltr. / pass
24 019	LPC 25	Chemicals, thinner, solvents, anti-freeze and cleaner	0,25 ltr. / pass
24 020	LPC 200	Chemicals, thinner, solvents, anti-freeze and cleaner	0,25 ltr. / pass
24 022	HP 100	Oil, diesel and coolant concentrate	0,25 ltr. / round
24 024	HP 111	Corrosive and volatile solvents, chemicals	0,35 ltr. / round
24 025	HP 112	Thin foods, acids and brines	0,35 ltr. / round
24 026	HP 110	Thin oil and less concentrated acids	0,35 ltr. / round
24 027	HP 700	Light mineral and machine oil	0,50 ltr. / pass
24 028	HP 113	Oil, diesel and coolant concentrate	1,00 ltr. / round
24 029	LPC 200/E	Thin fluids according to compability of material	0,25 ltr. / pass
24 031	HPB	Fuel and similar fluids	0,35 Ltr. ltr. / pass
24 032	HPA	AdBlue®	0,30 ltr. / round
24 033	HPA-S	AdBlue®	0,30 ltr. / round
24 034	AF 10-AB	AdBlue®	0,25 ltr. / pass
24 035	AF 10-AB-S	AdBlue®	0,25 ltr. / pass
24 038	HP 910	Oil, diesel and coolant concentrate	0,50 ltr. / pass

Attention:

Rapid oil pumps are only suitable for self lubricating medias, i.e. lube oil, cooler antifreeze concentrate (without water added)



Mod. OP 90 D 30/1



Mod. OP 90 D 30/1 K

Please note:

We recommend for all pneumatic pumps the additional use of a pressure reducing valve plus pressure gauge (see page 158).
The compressed air must be oiled and water-free (pneumatic maintenance unit see page 158).
The air admission of the pump must be interrupted after every use in order to avoid uncontrolled leakage of oil.

Series OP 90

These oil pumps are recommended for installation in pipings in connection with a hose reel even with hoses of up to 15 m, flow meters and anti drip outlet. these pumps have a very high discharge capacity, which saves you time and minimize your expenses.

Performance: (depending on degree of viscosity - see p. 240)

- **Pneumatic pump** max. 10 ltr./min
- Air inlet pressure max. 8 bar (115 PSI)

Connections:

- Compressed air connection: G 1/4" int. th. with ball valve, pressure limiter and pin
- Oil connection (discharge side): G 1/2" ex. th.
- Suction pipe: 860 mm

Model OP 90 D 35/1

- Barrel pump, incl. pressure reducer type D/M 06
- Ratio 1:1
- For max. **200 ltr.-barrels**
- 2" barrel connection

Model OP 90 D 30/1

- Barrel pump, incl. pressure reducer type D/M 06
- Identical with model OP 90 D 35/1, but with
- Ratio 1:3
- 2" barrel connection

Model OP 90 D 25/1

- Barrel pump, incl. pressure reducer type D/M 06
- Identical with model OP 90 D 35/1, but with
- Ratio 1:5
- 2" barrel connection

Suction pipe for tanks see on page 151.

Performance: (depending on degree of viscosity - see p. 240)

- Pneumatic pump max. 10 Ltr./min
- Air inlet pressure max. 8 bar (150 PSI)

Connections:

- Compressed air connection: G 1/4" int. th. with ball valve, pressure limiter and pin
- Oil connection (discharge side): G 1/2" ex. th.
- Oil connection (suction side): G 3/4" ex. th.

Model OP 90 D 35/1 K

- Short pump, incl. pressure reducer type D/M 06
- Ratio 1:1
- For **tanks** or **200 ltr.-barrels**
- Wall bracket

Model OP 90 D 30/1 K

- Short pump, incl. pressure reducer type D/M 06
- Identical with model OP 90 D 35/1 K, but with
- Ratio 1:3
- Wall bracket

Model OP 90 D 25/1 K

- Short pump, incl. pressure reducer type D/M 06
- Identical with model OP 90 D 35/1 K, but with
- Ratio 1:5
- Wall bracket

Please note: Choose suction pipes suitable for the K-version (see page 158 and 159).

Accessories (see page 158 – 167).

part no.	price EUR
20 001	376,43
20 002	376,43
20 003	436,18
20 004	376,43
20 005	376,43
20 006	436,18



Mod. OP 90 D 30/1 E

Inkl. D/M 06

Please note:

When using a pipeline a safety valve is needed on the discharge side (see page 158).



Mod. LAS 2.8/1



Series OP 90 E

Calibratable / according to MID with certificate of EC type examination , DE-16-MI005-PTB026
For grease oil, special engine-, hydraulic - and gear oil when calibrated units are needed.

Performance: (depending on degree of viscosity - see p. 240)

- **Pneumatic pump** max. 10 ltr./min
- Air inlet pressure max. 8 bar (115 PSI)

Connections:

- Compressed air connection: G 1/4" int. th. with ball valve, pressure limiter and pin
- Oil connection (discharge side): G 1/2" ex. th.
- Suction pipe: 860 mm

Model OP 90 D 35/1 E

- Barrel pump, incl. pressure reducer type D/M 06
- Ratio 1:1
- For max. **200 ltr.-barrels**
- Incl. air separator LAS 1.0
- **Certificate of EC type examination, calibratable / according to MID**

Model OP 90 D 30/1 E

- Identical with model OP 90 D 35/1, but
- Ratio 1:3
- **Certificate of EC type examination, calibratable / according to MID**

Model OP 90 D 25/1 E

- Identical with model OP 90 D 35/1, but
- Ratio 1:5
- **Certificate of EC type examination, calibratable / according to MID**

Suction pipes see page 159

Connections:

- Compressed air connection: G 1/4" int. th. with ball valve, pressure limiter and pin
- Oil connection (discharge side): G 1/2" ex. th.
- Oil connection (suction side): G 3/4" ex. th.

Model OP 90 D 35/1 K/E

- Ratio 1:1
- For **tanks** or **200 ltr.-barrels**
- Incl. wall bracket
- Incl. separator LAS 2.8/1
- **Certificate of EC type examination, calibratable / according to MID**

Model OP 90 D 30/1 K/E

- Identical with model OP 90 D 35/1 K/E, but
- Ratio 1:3
- **Certificate of EC type examination, calibratable / according to MID**

Model OP 90 D 25/1 K/E

- Identical with model OP 90 D 35/1 K/E, but
- Ratio 1:5
- **Certificate of EC type examination, calibratable / according to MID**

Please note: Choose suction pipes suitable for the K-version (see page 158 and 167).

Air separator LAS 2.8/1

- Necessary for calibratable pneumatic pumps
- Also available for not-calibratable systems
- **Certificate of EC type examination**

Air separator LAS 1.0

- Necessary for calibratable pneumatic pumps
- Also available for not-calibratable systems
- **Certificate of EC type examination**

Accessories (see page 158 - 167)

part no.

price EUR

20 007

507,88

20 008

507,88

20 009

567,63

20 010

663,23

20 011

663,23

20 012

711,03

20 500

316,68

20 700

178,06

Attention:

Rapid oil pumps are only suitable for self lubricating medias, i.e. lube oil, cooler antifreeze concentrate (without water added)



Mod. OP 110 D 30



Mod. OP 110 D 30 K

Please note:

We recommend for all pneumatic pumps the additional use of a pressure reducing valve plus pressure gauge (see page 158).
The compressed air must be oiled and water-free (pneumatic maintenance unit see page 158).
The air admission of the pump must be interrupted after every use in order to avoid uncontrolled leakage of oil.

Series OP 110

This series has a much higher conveying performance as usual pneumatic oil pumps. Therefore you can use it e.g. for industrial oil supply units, at garages with more than three oil supply units or in oil decanting units.

Performance: (depending on degree of viscosity - see p. 240)

- Conveying performance depends on degree of viscosity and temperature as well as on the resistance of suction and pressure pipes - max. approx. 15 ltr./min
- Air inlet pressure max. 8 bar (150 PSI)

Connections:

- Compressed air connection: 1/4" with ball valve, pressure limiter and pin
- Oil connection (discharge side): 3/4" ex. th.
- Oil connection suction pipe: 1" x 860 mm

Model OP 110 D 35

- Barrel pump, incl. pressure reducer type D/M 06
- Ratio 1:1
- For max. **200 ltr.-barrels**
- 2" barrel connection

Model OP 110 D 30

- Barrel pump, incl. pressure reducer type D/M 06
- Identical with model OP 110 D 35, but with Ratio 1:3

Model OP 110 D 25

- Barrel pump, incl. pressure reducer type D/M 06
- Identical with model OP 110 D 35, but with Ratio 1:5

Suction pipes see page 159

Performance: (depending on degree of viscosity - see p. 240)

- Conveying performance depends on degree of viscosity and temperature as well as on the resistance of suction and pressure pipes - max. approx. 15 ltr./min
- Air inlet pressure max. 8 bar (115 PSI)

Connections:

- Compressed air connection: 1/4" with ball valve, pressure limiter and pin
- Oil connection (discharge side): 3/4" ex. th.
- Oil connection (suction side): 1" int. th.

Model OP 110 D 35 K

- Short pump, incl. pressure reducer type D/M 06
- Ratio 1:1
- For **tanks** or **200 ltr.-barrels**
- Wall bracket

Model OP 110 D 30 K

- Short pump, incl. pressure reducer type D/M 06
- Identical with model OP 110 D 35 K, but Ratio 1:3
- Wall bracket

Model OP 110 D 25 K

- Short pump, incl. pressure reducer type D/M 06
- Identical with model OP 110 D 35 K, but Ratio 1:5
- Wall bracket

Please note: Choose suction pipes suitable for the K-version (see page 158 - 159).

Accessories (see page 158 – 167)

part no.	price EUR
20 015	555,68
20 016	555,68
20 017	615,43
20 018	555,68
20 019	555,68
20 020	615,43



Mod. OP 110 D 30 E

Inkl. D/M 06

Please note:

We recommend for all pneumatic pumps the additional use of a pressure reducing valve plus pressure gauge (see page 158).



Mod. LAS 2.8/1



Series OP 90 E

Calibratable / according to MID with certificate of EC type examination , DE-16-MI005-PTB026

For lubricant oil, special engine-, hydraulic - and gear oil, to be connected to oil pressure pipe.

Performance: (depending on degree of viscosity - see p. 240)

- Conveying performance depends on degree of viscosity and temperature as well as on the resistance of suction and pressure pipes - max. approx. 15 ltr./min
- Air inlet pressure max. 8 bar (115 PSI)

Connection:

- Compressed air connection: G 1/4" with ball valve, pressure limiter and pin
- Oil connection (discharge side): G 1/2" ex. th.
- Suction pipe: 860 mm

Model OP 110 D 35 E

part no.	price EUR
20 021	687,13
20 022	687,13
20 023	746,88
20 024	782,73
20 025	782,73
20 026	830,53
20 500	316,68
20 700	178,06

- Barrel pump, incl. pressure reducer type D/M 06
- Ratio 1:1
- For max. **200 ltr.-barrels**
- 2" barrel connection
- Incl. air rejecting device LAS 1.0
- **Certificate of EC type examination, calibratable / according to MID**

Model OP 110 D 30 E

- Barrel pump, incl. pressure reducer type D/M 06
- Identical with model OP 110 D 35, but
- Ratio 1:3
- **Certificate of EC type examination, calibratable / according to MID**

Model OP 110 D 25 E

- Barrel pump, incl. pressure reducer type D/M 06
- Identical with model OP 110 D 35, but
- Ratio 1:5
- **Certificate of EC type examination, calibratable / according to MID**

Suction pipes see page 159

Model OP 110 D 35 K/E

- Barrel pump, incl. pressure reducer type D/M 06
- Ratio 1:1
- For **tanks** or **200 ltr.-barrels**
- Incl. wall bracket
- Incl. air rejecting device LAS 2.8/1
- **Certificate of EC type examination, calibratable / according to MID**

Model OP 110 D 30 K/E

- Barrel pump, incl. pressure reducer type D/M 06
- Identical with model OP 110 D 35 K/E, but
- Ratio 1:3
- **Certificate of EC type examination, calibratable / according to MID**

Model OP 110 D 25 K/E

- Barrel pump, incl. pressure reducer type D/M 06
- Identical with model OP 110 D 35 K/E, but
- Ratio 1:5
- **Certificate of EC type examination, calibratable / according to MID**

Please note: Choose suction pipes suitable for the K-version (see page 158 and 159).

Air separator LAS 2.8/1

- Necessary for calibratable pneumatic pumps
- Also available for not-calibratable systems
- **Certificate of EC type examination**

Air separator LAS 1.0 (without illustr.)

- Necessary for calibratable pneumatic pumps
- Also available for not-calibratable systems
- **Certificate of EC type examination**

Accessories (siehe Seite 158 – 167)



Inkl. D/M 06

Please note:

We recommend for all pneumatic pumps the additional use of a pressure reducing valve plus pressure gauge (see page 158).
The compressed air must be oiled and water-free (pneumatic maintenance unit see page 158).
The air admission of the pump must be interrupted after every use in order to avoid uncontrolled leakage of oil.



Inkl. D/M 06

Series OP 115

These oil pumps are recommended for all industrial applications and special truck bodies. This series has a much higher conveying performance and longevity.

Performance: (depending on degree of viscosity - see p. 240)

- Conveying performance depends on degree of viscosity and temperature as well as on the resistance of suction and pressure pipes - **max. approx. 40 - 45 ltr./min**
- Air inlet pressure max. 12 bar (180 PSI)

Connections:

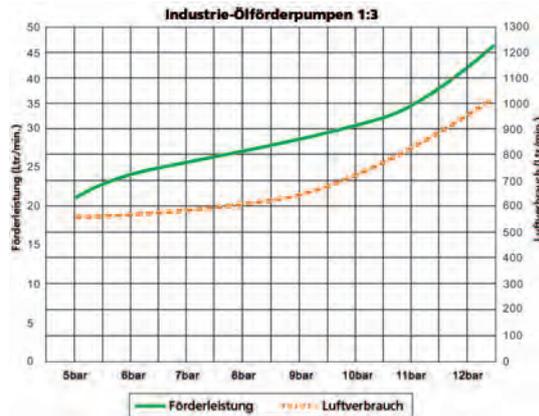
- Compressed air connection: 1/4" with ball valve, pressure limiter and pin
- Oil connection (discharge side): 3/4" ex. th.
- Oil connection suction pipe: 2", 860 mm

Model OP 115 D 30

- Barrel pump, incl. pressure reducer type D/M 06
- Ratio 1:3
- For max. **200 ltr.-barrels**
- 2" barrel connection

Model OP 115 D 25

- Barrel pump, incl. pressure reducer type D/M 06
- Identical with model OP 115 D 35, but
- Ratio 1:5



Model OP 115 D 30 K

- Short pump, incl. pressure reducer type D/M 06
- Ratio 1:3
- Wall bracket
- Oil connection suction pipe: 2", 270 mm

Model OP 115 D 25 K

- Short pump, incl. pressure reducer type D/M 06
- Identical with model OP 115 D 35 K, but
- Ratio 1:5

Accessories

Mounting bracket type M/OP 115

- For pneum. pump type OP 115 K

Suction hose type SG 25-1.5

- G 1" int. th., 1,5 m incl. check valve and filter

Suction hose type SG 25-2.5

- G 1" int. th., 2,5 m incl. check valve and filter

Suction pipe switching type SGU 25

- To assemble 2 suction pipes, NPS 25

For further accessories see page 158 – 167

part no.	price EUR
20 033	1.308,53
20 032	1.308,53
20 031	1.248,78
20 030	1.248,78
20 740	185,23
20 525	124,88
20 618	136,83
20 717	166,11



Please note:

We recommend for all pneumatic pumps the additional use of a pressure reducing valve plus pressure gauge (see page 158).



Series OP 115

Calibratable / according to MID with certificate of EC type examination , DE-16-MI005-PTB026

For lubricant oil, special engine-, hydraulic - and gear oil, to be connected to oil pressure pipe.

Performance: (depending on degree of viscosity - see p. 240)

- Conveying performance depends on degree of viscosity and temperature as well as on the resistance of suction and pressure pipes - **max. approx. 40 - 45 ltr./min**
- Air inlet pressure max. 8 bar (115 PSI)

Connection:

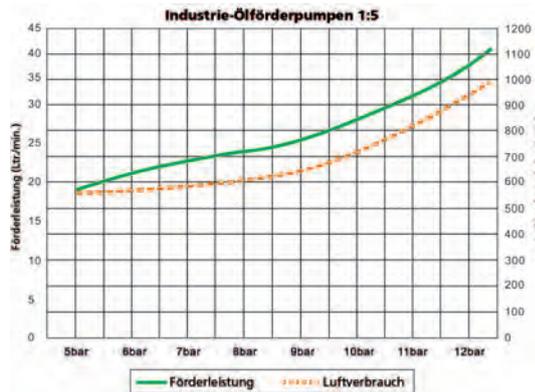
- Compressed air connection: G 1/4" with ball valve, pressure limiter and pin
- Oil connection (discharge side): G 3/4" ex. th.
- Suction pipe: 1", 860 mm

Model OP 115 D 30 E

- Barrel pump, incl. pressure reducer type D/M 06
- Ratio 1:3
- For max. **200 ltr.-barrels**
- 2" barrel connection
- **Certificate of EC type examination, calibratable / according to MID**

Model OP 115 D 25 E

- Barrel pump, incl. pressure reducer type D/M 06
- Identical with model OP 115 D 35, but
- Ratio 1:5
- **Certificate of EC type examination, calibratable / according to MID**



Model OP 115 D 30 K/E

- Short pump, incl. pressure reducer type D/M 06
- Ratio 1:3
- Incl. wall bracket
- Oil connection (suction side): 2", 270 mm
- **Certificate of EC type examination, calibratable / according to MID**

Model OP 115 D 25 K/E

- Short pump, incl. pressure reducer type D/M 06
- Identical with model OP 115 D 35 K, but
- Ratio 1:5
- **Certificate of EC type examination, calibratable / according to MID**

Accessories

Mounting bracket type M/OP 115

- For pneum. pump type OP 115 K

Suction hose type SG 25-1.5

- G 1" int. th., 1,5 m incl. check valve and filter

Suction hose type SG 25-2.5

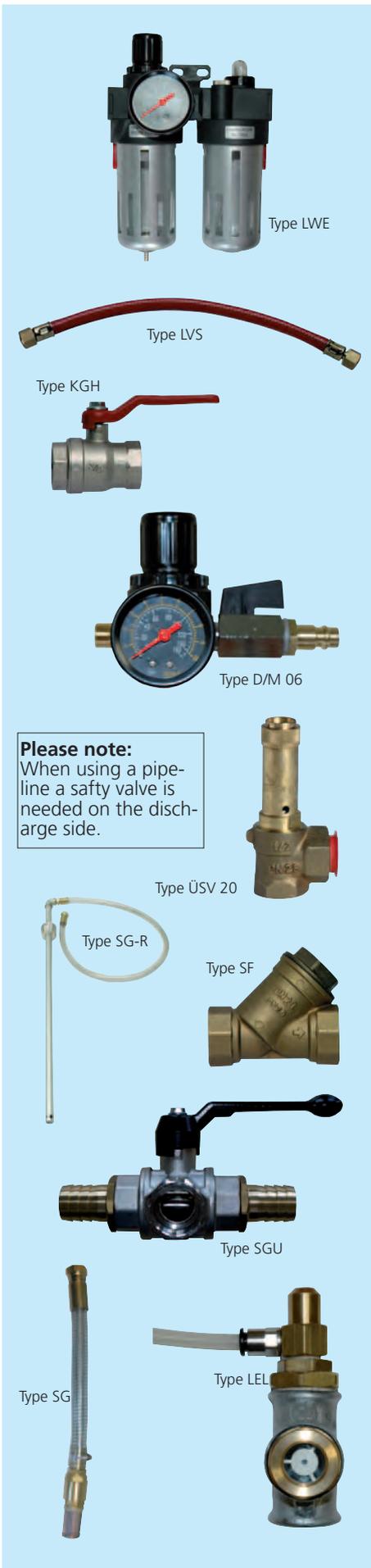
- G 1" int. th., 2,5 m incl. check valve and filter

Suction pipe switching type SGU 25

- To assemble 2 suction pipes, DN 25

For further accessories refer to page 158 – 167

part no.	price EUR
20 037	1.571,43
20 036	1.571,43
20 035	1.702,88
20 034	1.702,88
20 740	185,23
20 525	124,88
20 618	136,83
20 717	166,11



Please note:
When using a pipe-line a safety valve is needed on the discharge side.

For pneumatic pumps:

Pneumatic maintenance unit type LWE 06

- With fog oiler, filter and water separator, G 1/4" int. th. / int. th.

Pneumatic maintenance unit type LWE 10

- With fog oiler, filter and water separator, G 3/8" int. th. / int. th.

Pneumatic maintenance unit type LWE 12

- With fog oiler, filter and water separator, G 1/2" int. th. / int. th.

Flex. connection for compr. air type LVS 01.10

- 1 m long, NPS 10, armoured on both ends, G 3/8" int. th.

Flex. connection for compr. air type LVS 02.10

- 2 m long, NPS 10, armoured on both ends, G 3/8" int. th.

Ball valve type KGH 10

- G 3/8" int. th. for air pipe

Pressure reducing valve type D/M 06

- Incl. manometer, G 3/8" ex. th. / 1/4" int. th.

Pressure reducing valve type D31

- Adjusted to 6 bar, G 3/8" ex. th. / 1/4" ex. th.

Relief valve type ÜSV 20

- Max. 20 bar, to be installed into the pipeline inc. 2 m return hose

Dust trap type SF 12

- NPS 12 to be installed into the pipeline G 1/2" int. th.

Dust trap type SF 20

- NPS 20 to be installed into the pipeline G 3/4" int. th.

Dust trap type SF 25

- NPS 25 to be installed into the pipeline G 1" int. th.

Suction pipe type SG-R

- Suction NPS 20, 860 mm long
- Barrel connection, 2 m suction pipe NPS 20

Suction pipe type SG 20-1.5

- G 3/4" int. th., 1,5 m incl. bottom valve + filter

Suction pipe type SG 20-2.5

- G 3/4" int. th., 2,5 m incl. bottom valve + filter

Suction pipe type SG 25-1,5

- G 1" int. th., 1,5 m incl. bottom valve + filter

Suction pipe type SG 25-2,5

- G 1" int. th., 2,5 m incl. bottom valve + filter

Suction pipe type SG 32-1,5

- G 1 1/4" int. th., 1,5 m incl. bottom valve + filter

Suction pipe type SG 32-2,5

- G 1 1/4" IG, 2,5 m incl. bottom valve + filter

Suction pipe change over type SGU 20

- For the assembling of 2 suction pipes, NPS 20

Suction pipe change over type SGU 25

- For the assembling of 2 suction pipes, NPS 25

Suction pipe change over type SGU 32

- For the assembling of 2 suction pipes, NPS 32

Pipe ventilation type LEL

- For built into oil supply pipeline
- Inspection glass with white reflector, ventilation screw and flexible ventilation pipe made of PA, NPS 08
- Connection thread 3/4" female, height approx. 115 mm
- PN 16 Ø-inspection glass 18 mm

part no.	price EUR
20 537	51,27
20 501	89,63
20 502	113,53
20 503	17,33
20 504	19,72
20 505	10,64
20 506	50,79
20 507	37,64
20 508	190,60
20 509	25,69
20 510	32,86
20 567	38,84
20 558	233,03
20 511	98,59
20 512	111,73
20 525	124,88
20 618	136,83
20 710	230,04
20 711	256,33
20 716	118,31
20 717	166,11
20 719	285,61
20 730	149,38



For pneumatic pumps:

Suction hose detent type SG 2K

■ For G 2", plastic, 2 openings, NPS 20 and 08

Suction hose detent type SG 25K

■ For G 2", plastic, 2 openings, NPS 25 and 08

Suction hose detent type SG 20

■ For G 2", alumin., 2 openings, NPS 20 and 08

Suction hose detent type SG 25

■ For G 2", alumin., 2 openings, NPS 20 and 08

Mounting bracket type M/OP 90/110

■ For pneumatic pump type OP 90 / 110

Mounting bracket type M/OP 115

■ For pneumatic pump type OP 115 K

Flex. connection hose for oil type ÖVS ½.12

■ ½ m, NPS 12, armoured, G 1/2" int. th. / int. th.

Flex. connection hose for oil type ÖVS 01.12

■ 1 m, NPS 12, armoured, G 1/2" int. th. / int. th.

Flex. connection hose for oil type ÖVS ½.20

■ ½ m, NPS 20, armoured, G 3/4" int. th. / int. th.

Flex. connection hose for oil type ÖVS 01.20

■ 1 m, NPS 20, armoured, G 3/4" int. th. / int. th.

Flex. hose acc. to TRbF 231 T1 type ÖFR ½.12

■ ½ m long, NPS 12, armoured on both sides, G 1/2" int. / ex. th.

Flex. hose acc. to TRbF 231 T1 type ÖFR ½.16

■ ½ m long, DN 16, armoured on both sides, G 3/4" int. / ex. th.

Ball valve type KGH 12

■ G 1/2" int. th. for oil pressure lines

Ball valve type KGH 20

■ G 3/4" int. th. for oil pressure lines

Ball valve type KGH 25

■ G 1" int. th. for oil pressure lines

Ball valve type KGH 32

■ G 1 1/4" int. th. for oil pressure lines

Ball valve type KGH 50

■ G 2" IG int. th. for oil pressure lines

3-way ball valve type KGH 3/12

■ G 1/2" int. th. for oil pressure lines

3-way ball valve type KGH 3/20

■ G 3/4" int. th. for oil pressure lines

3-way ball valve type KGH 3/25

■ G 1" int. th. for oil pressure lines

3-way ball valve type KGH 3/32

■ G 1 1/4" int. th. for oil pressure lines

3-way ball valve type KGH 3/50

■ G 2" int. th. for oil pressure lines

Dry-running prevention type FLA (without ill.)

■ Level switch for pump

Electr. switch.off type MV 100

■ Magnetic valve G 1/4" int. th., 15 bar, 230 V, 100% ED for air pipe, closed when currentless

Suction pipe type SG-R 800

■ Suction pipe for tanks T/S 700 and T/R 400

■ For pneumatic pumps OP 90 und OP 110

Suction pipe type SG-R 1100

■ Suction pipe for tanks T/R 750 and T/R 1000

■ For pneumatic pumps OP 90 und OP 110

Suction pipe type SG-R 1300

■ Suction pipe for tanks T/S 1000

■ For pneumatic pumps OP 90 und OP 110

Suction pipe type SG-R 1540

■ Suction pipe for tanks T/R 1500

■ For pneumatic pumps OP 90 und OP 110

part no.	price EUR
20 515	24,98
20 731	24,98
20 516	116,99
20 732	116,99
20 668	44,81
20 740	185,23
20 733	41,23
20 734	41,23
20 735	56,76
20 736	56,76
20 636	131,33
20 637	197,06
20 560	13,03
20 561	15,42
20 562	22,59
20 559	52,46
20 563	91,90
20 645	65,61
20 646	78,75
20 647	118,19
20 648	197,06
20 649	328,51
24 148	352,53
20 564	197,18
20 758	46,61
20 759	58,56
20 760	70,51
20 761	82,46

Attention:

Rapid oil pumps are only suitable for self lubricating medias, i.e. lube oil, cooler antifreeze concentrate (without water added)



Mod. OP 140 E



Mod. OP 160 ED

Please note:

When using a piping system a relief valve must be installed on the discharge side (see page 162). After finishing the tapping process the current entry should be cut off to avoid uncontrolled oil discharge!

Series OP/E, not-calibratable

These pumps are designed to deal with lubricant oils, special engine oils, hydraulic- and gear oils and to be connected to oil pressure lines.

Performance: (depending on degree of viscosity - see p. 240)

- Alternating or three way current connection
- Oil pressure max. 10 bar

Connection:

- Oil con. (disch. side): G 3/4" int. th. (G 1" int. th.)
 - Oil con. (suc. side) : G 3/4" int. th. (G 1" ex. th.)
- Data in brackets are for OP 170 and OP 190

Motor oil pumps

Model OP 140 E/1

- Return hose and wall bracket
- On-off-switch
- Ready to plug in
- **Performance 0,55 kW / 230 V**
- Discharge cap. up to 9 ltr./min dep. on visc.

Model OP 140 ED/1

- Identical with model OP 140 E, but with
- **Incl. pump control type DW/1**

Model OP 160 ED/1

- Identical with model OP 140 ED, but with
- **Performance 0,55 kW / 400 V**
- **Incl. pump control type DW 2**
- Discharge cap. up to 9 ltr./min dep. on visc.

Model OP 170 ED/1

- Identical with model OP 160 ED, but with
- **Performance 0,75 kW / 400 V,**
- **Incl. pump control type DW 2**
- Discharge cap. up to 14 ltr./min dep. on visc.

Model OP 190 ED/1

- Identical with model OP 160 ED/1, but
- **Performance 1,1 kW / 400 V**
- **Incl. pump control type DW 2**
- Discharge cap. up to 17 ltr./min dep. on visc.

Gear oil pumps

Model OP 145 E

- Return hose and wall bracket
- On-off-switch
- Ready to plug in
- **Performance 1,1 kW / 230 V**
- Discharge cap. up to 7 ltr./min dep. on visc.

Model OP 145 ED

- Identical with model OP 145 E, but
- **Incl. pump control type DW/1**

Model OP 165 ED

- Identical with model OP 145 ED, but
- **Performance 1,1 kW / 400 V**
- **Incl. pump control type DW 2**
- Discharge cap. up to 7 ltr./min dep. on visc.

part no.	price EUR
20 110	535,36
20 111	810,21
20 100	941,66
20 101	1.073,11
20 102	2.268,11
20 114	798,26
20 118	1.097,01
20 119	1.371,86

Attention:

Rapid oil pumps are only suitable for self lubricating medias, i.e. lube oil, cooler antifreeze concentrate (without water added)



Please note:

When using a piping system a relief valve must be installed on the discharge side (see page 162). After finishing the tapping process the current entry should be cut off to avoid uncontrolled oil discharge!

Series OP/E, calibratable

Calibratable / according to MID with certificate of EC type examination , DE-16-MI005-PTB026

For lubricant oil, special engine-, hydraulic - and gear oil, to be connected to oil pressure pipe.

Performance: (depending on degree of viscosity - see p. 240)

- Alternating or three way current connection
- Oil pressure max. 10 bar

Connection:

- Oil con. (disch. side): G 3/4" int. th. (G 1" int. th.)
 - Oil con. (suc. side) : G 3/4" int. th. (G 1" ex. th.)
- Data in brackets are for OP 145, OP 165 and OP 190

Motor oil pumps

Model OP 140 E/E/1

- Return hose and wall bracket
- On-off-switch
- Ready to plug in
- **Performance 0,55 kW / 230 V**
- Discharge cap. up to 9 ltr./min dep. on visc.
- **Certificate of EC type examination, calibratable / according to MID**

Model OP 140 ED/E/1

- Identical with model OP 140 ED/E, but with
- **Incl. pump control type DW/1**
- **Certificate of EC type examination, calibratable / according to MID**

Model OP 160 ED/E/1

- Identical with model OP 140 ED/E, but with
- **Performance 0,55 kW / 230 V**
- **Incl. pump control type DW 2**
- Discharge cap. up to 9 ltr./min dep. on visc.
- **Certificate of EC type examination, calibratable / according to MID**

Model OP 170 ED/E/1

- Identical with model OP 160 ED/E/1, but
- **Performance 0,75 kW / 400 V**
- **Incl. pump control type DW 2**
- Discharge cap. up to 14 ltr./min dep. on visc.
- **Certificate of EC type examination, calibratable / according to MID**

Model OP 190 ED/E/1

- Identical with model OP 160 ED/E/1, but
- **Performance 1,1 kW / 400 V**
- **Incl. pump control type DW 2**
- Discharge cap. up to 17 ltr./min dep. on visc.
- **Certificate of EC type examination, calibratable / according to MID**

Gear oil pumps

Model OP 145 E/E

- Return hose and wall bracket
- On-off-switch
- Ready to plug in
- **Performance 1,1 kW / 230 V**
- **Certificate of EC type examination, calibratable / according to MID**
- Discharge cap. up to 7 ltr./min dep. on visc.

Model OP 145 ED/E

- Identical with model OP 145 E/E, but
- **Incl. pump control type DW/1**

Modell OP 165 ED/E

- Identical with model OP 145 ED/E, but
- **Performance 1,1 kW / 400 V**
- **Inkl. Pumpensteuerung Typ DW 2**
- **Certificate of EC type examination, calibratable / according to MID**
- Discharge cap. up to 7 ltr./min dep. on visc.

part no.	price EUR
20 112	834,11
20 113	1.108,96
20 103	1.252,36
20 104	1.371,86
20 105	2.566,86
20 120	1.097,01
20 121	1.395,76
20 122	1.670,61



Type M/OP



Type SG-R



Type SG

Type ZSG



Type ÖVS



Type ÖFR



Type KGH



Type KGH 3



Type ÜSV 14

For electric pumps:

Mounting console type M/OP

■ Incl. vibration absorber for OP 140 E - 170 ED/E

Mounting console type M/OP 190

■ Incl. vibration absorber for OP 190 ED/E

Suction hose type SG 20-1,5

■ G 3/4" int. th., 1,5 m with bottom valve + filter

Suction hose type SG 20-2,5

■ G 3/4" int. th., 2,5 m with bottom valve + filter

Suction hose type SG 25-1,5

■ G 1" int. th., 1,5 m with bottom valve + filter

Suction hose type SG 25-2,5

■ G 1" int. th., 2,5 m with bottom valve + filter

Suction hose type SG 32-1,5

■ G 1 1/4" int. th., 1,5 m with bottom valve + filter

Suction hose type SG 32-2,5

■ G 1 1/4" int. th., 2,5 m with bottom valve + filter

Suction pipe type SG-R

■ Suction pipe NPS 20, 860 mm length

■ Barrel connection, 2 m suction hose NPS 20

3-way forced change-over type ZSG 20

■ For the assembling of 2 suction pipes, NPS 20

3-way forced change-over type ZSG 25

■ For the assembling of 2 suction pipes, NPS 25

3-way forced change-over type ZSG 32

■ For the assembling of 2 suction pipes, NPS 32

Flex. connection hose for oil type ÖVS 1/2.12

■ 1/2 m long, NPS 12, armoured, G 1/2" int.th./int.th.

Flex. connection hose for oil type ÖVS 01.12

■ 1 m long, NPS 12, armoured, G 1/2" int.th./int.th.

Flex. connection hose for oil type ÖVS 1/2.20

■ 1/2 m long, NPS 20, armoured, G 3/4" int.th./int.th.

Flex. connection hose for oil type ÖVS 01.20

■ 1 m long, NPS 20, armoured, G 3/4" int.th./int.th.

Flex. pipe acc. to TRbF 231 T1 Typ ÖFR 1/2.12

■ 1/2 m long, NPS 12, armoured, G 1/2" int.th./ex.th.

Flex. pipe acc. to TRbF 231 T1 Typ ÖFR 1/2.16

■ 1/2 m long, NPS 16, armoured, G 1/2" int.th./ex.th.

Ball valve type KGH 12

■ G 1/2" int. th. for oil pressure line

Ball valve type KGH 20

■ G 3/4" int. th. for oil pressure line

Ball valve type KGH 25

■ G 1" int. th. for oil pressure line

Ball valve type KGH 32

■ G 1 1/4" int. th. for oil pressure line

Ball valve type KGH 50

■ G 2" int. th. for oil pressure line

3-way ball valve type KGH 3/12

■ G 1/2" int. th. for oil pressure line

3-way ball valve type KGH 3/20

■ G 3/4" int. th. for oil pressure line

3-way ball valve type KGH 3/25

■ G 1" int. th. for oil pressure line

3-way ball valve type KGH 3/32

■ G 1 1/4" int. th. for oil pressure line

3-way ball valve type KGH 3/50

■ G 2" int. th. for oil pressure line

Relief valve type ÜSV 14

■ To be installed in the pipeline
incl. 2 m return hose to the tank, max. 14 bar.

part no.	price EUR
20 538	98,59
20 721	125,48
20 511	98,59
20 512	111,73
20 525	124,88
20 618	136,83
20 710	230,04
20 711	256,33
20 558	233,03
20 513	221,08
20 674	280,83
20 720	340,58
20 733	41,23
20 734	41,23
20 735	56,76
20 736	56,76
20 636	131,33
20 637	197,06
20 560	13,03
20 561	15,42
20 562	22,59
20 559	52,46
20 563	91,90
20 645	65,61
20 646	78,75
20 647	118,19
20 648	197,06
20 649	328,51
20 568	190,60



For electric pumps:

Dust trap type SF 12

- NPS 12 to be installed in the pipeline G 1/2" int.th.

Dust trap type SF 20

- NPS 20 to be installed in the pipeline G 3/4" int.th.

Dust trap type SF 25

- NPS 25 to be installed in the pipeline G 1" int.th.

Relief valve type ÜSV 14

- To be installed in the pipeline incl. 2 m return hose to the tank, max. 14 bar.

Pipe ventilation type LEL

- For built into oil supply pipeline
- Inspection glass with white reflector, ventilation screw and flexible ventilation pipe made of PA, NPS 08
- Connection thread 3/4" female, height approx. 115 mm
- PN 16 Ø-inspection glass 18 mm

Suction hose detent type SG 2K

- For G 2", plastic, 2 openings, NPS 20 and 08

Suction hose detent type SG 25K

- For G 2", plastic, 2 openings, NPS 25 and 08

Suction hose detent type SG 20

- For G 2", alumin., 2 openings, NPS 20 and 08

Suction hose detent type SG 25

- For G 2", alumin., 2 openings, NPS 20 and 08

Drip pan type TS 400

- To be mounted under the pump
- Pan height 50 mm
- Dim. approx. 400 x 250 x 125 mm (L x W x H)

Drip pan type TS 800

- To be mounted under the pump
- Pan height 50 mm
- Dim. approx.. 400 x 250 x 125 mm (L x W x H)

Pressure switch type D16

- Incl. motor protective relay, 16 bar, 400 V

Pressure switch type D16/2

- Incl. motor protective relay, 16 bar, 230 V

Pump control type DW/1

- Pressure regulated control
- Safety valve
- Relief valve
- Manometer
- For 230 V drive, up to approx. 10 l/min.

Pump control type DW 2

- Pressure regulated control
- Safety valve
- Relief valve
- For 400 V drive, up to approx. 15 ltr./min.

Dry-running prevention type FLA

- Level switch to control the pump

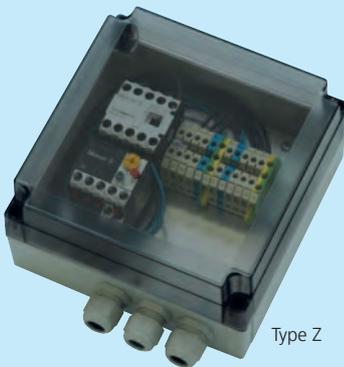
part no.	price EUR
20 509	25,69
20 510	32,86
20 567	38,84
20 568	190,60
20 730	149,38
20 515	24,98
20 731	24,98
20 516	116,99
20 732	116,99
20 570	197,18
20 589	256,93
20 596	256,93
20 638	256,93
20 639	393,16
20 718	524,61
24 148	352,53



Type Z1



Type LS



Type Z



Type EAS



Type TA



Type NA



Type NAS



Type WWS



Type HS

Pump control

Contactor type Z1

- Timer relay for the control of operation time of pumps from 3 to 60 min.
- Protection against environmental damage by limitation of the operation time of pump
- Control box, wired

Power contactor type LS

- Contactor to operate pneumatic or electric pumps or other electronic devices. Could be used in timer relay, dry-running prevention, level indicator or other controlling devices for operating electric pumps or other electronic devices.
- For e-motor 230 V or 400 v
- Control box, wired

Contactor type Z

- Identical with type LS, but with
- Motor protective relay, to be used for electric pump model OP 140 to OP 190
- For electric motor up to 1,1 kW
- Control box - wired

On-off-switch type EAS

- With control lamp

Push button type TA

- Push button with control lamp

Emergency shut-off type NA

- Emergency switch off button
- To break electric circuit in case of emergency or failure

emergency shut-off with key type NAS

- Emergency switch off by key release
- To break electric circuit in case of emergency or failure

Mode -/ reversing -switch type WWS

- Mode-/reversing -switch as knob-switch to switch between different electric circuits (230V-400V) as for example contactor, electric pump, pneumatic pumps in connection with solenoid valve.

Main switch type HS

- On/off switch as knob-switch to operate main electric circuits (230 V - 400 V) of electric controlled oil plants.

part no.	price EUR
20 569	452,91

20 771	452,91
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20 599	584,36
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20 565	173,28
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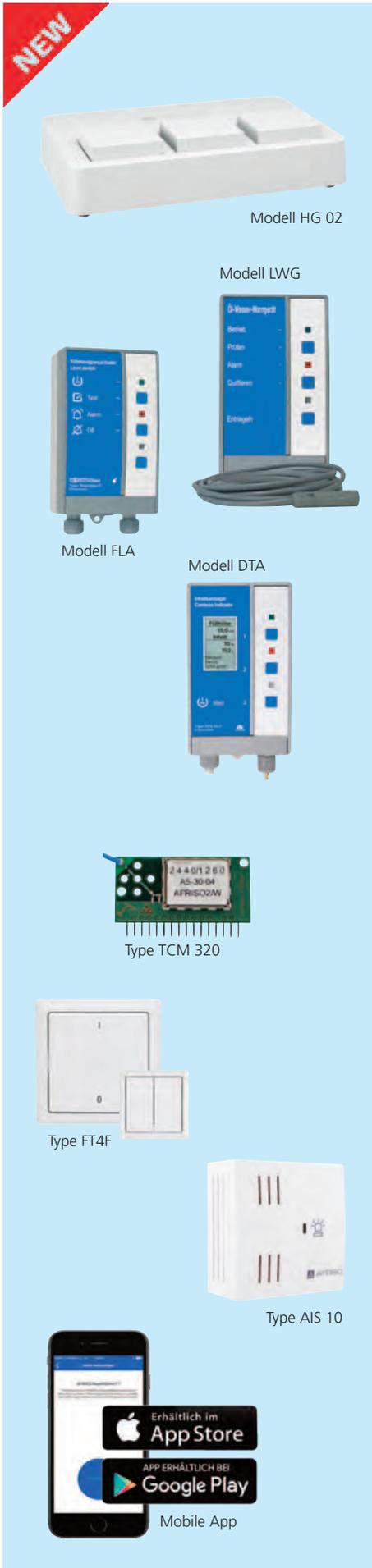
20 595	113,53
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20 772	113,53
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20 773	149,38
--------	--------

20 774	89,63
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02 775	113,53
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Smart pump control and monitoring

Smart pump control and monitoring. Besides the Gateway and App you can choose a large variety of professional sensors and actuators for various applications.

Gateway Model HG 02

For control and management of all sensors and actuators with EnOcean®

- Basic module of your management system
- Communication by WLAN and LAN
- Wide variety of combination with EnOcean® compatible products

Dry-running prevention type FLA

- Level switch for pump
- Warning unit with probe for level control
- With acustical and visual signal
- Protection IP 30
- **EnOcean®-ready**

Leakage indicator type LWG

- For fresh and waste oil storage conforming GF A III VbF
- Warning unit with probe for level control
- With acustical and visual signal
- Protection IP 30
- **EnOcean®-ready**

Digital Level Indicator for Tank type DTA

Multipurpose level indicator for tank, for continuous level measuring

- Multipurpose use for container up to 4 m height
- Density from 0,5 up to 1,5 g/cm³, variably adjustable, therefor to be used for different liquids
- Digital display with background lighting
- Applied operation languages Englisch French, German
- Battery powered, no external supply voltage necessary
- Push-To-Read function: Quick start by keystroke
- Remote measurement
- **EnOcean®-ready**

Accessories

EnOcean® Wireless Module Type TCM 320

For retrofitting to circuit boards, which are factory fitted with a slot for EnOcean® remote module.

- For upgrading of leakage indicator LWG and dry running prevention model FLA to EnOcean® technology

Wireless Switch Type FT4F

Wireless Switch for multipurpose use

- With rocker plate or double rocker
- **EnOcean® compatible**

Indoor Hooter Type AIS 10

Wireless indoor hooter for multi-purpose

- Loud alarm 90 dB
- Possible to use as stand-alone device without Gateway
- Wired device for direct mounting in a safety socket 230 v
- **EnOcean® compatible**

Mobile App

Intuitional app for connection and operation of wireless modules by Gateway device.

- Control and operation anywhere
- Available for iOS and Android
- Free of charge at any App-Store
- **EnOcean® compatible**

part no.	price EUR
20 729	835,31
24 148	352,53
27 104	460,08
27 163	388,38
20 762	106,36
20 763	130,26
20 764	225,86



Type ÖVS



Type ÖVS



Type ÖVS



Type ÖVS



Type ÖVS

Dispensing hoses for oil and air

■ Armoured on both side, G 1/2" ex./int.th., max. 50 bar

Type AVS 1/2.12	0,5 m NPS 12, ex./int.th.
Type AVS 01.12	1 m NPS 12, ex./int.th.
Type AVS 02.12	2 m NPS 12, ex./int.th.
Type AVS 03.12	3 m NPS 12, ex./int.th.
Type AVS 04.12	4 m NPS 12, ex./int.th.
Type AVS 05.12	5 m NPS 12, ex./int.th.
Type AVS 10.12	10 m NPS 12, ex./int.th.
Type AVS 15.12	15 m NPS 12, ex./int.th.
Type AVS 20.12	20 m NPS 12, ex./int.th.

■ Armoured on both side, G 3/4" ex./int.th., max. 45 bar

Type AVS 1/2.16	0,5 m NPS 16, ex./int.th.
Type AVS 01.16	1 m NPS 16, ex./int.th.
Type AVS 02.16	2 m NPS 16, ex./int.th.
Type AVS 03.16	3 m NPS 16, ex./int.th.
Type AVS 04.16	4 m NPS 16, ex./int.th.
Type AVS 05.16	5 m NPS 16, ex./int.th.
Type AVS 10.16	10 m NPS 16, ex./int.th.
Type AVS 15.16	15 m NPS 16, ex./int.th.
Type AVS 20.16	20 m NPS 16, ex./int.th.

■ Armoured on both side, G 3/4" ex./int.th., max. 45 bar

Type AVS 1/2.20	0,5 m NPS 20, ex./int.th.
Type AVS 01.20	1 m NPS 20, ex./int.th.
Type AVS 02.20	2 m NPS 20, ex./int.th.
Type AVS 03.20	3 m NPS 20, ex./int.th.
Type AVS 04.20	4 m NPS 20, ex./int.th.
Type AVS 05.20	5 m NPS 20, ex./int.th.
Type AVS 10.20	10 m NPS 20, ex./int.th.
Type AVS 15.20	15 m NPS 20, ex./int.th.
Type AVS 20.20	20 m NPS 20, ex./int.th.

■ Armoured on both side, G 1" ex./int.th., max. 40 bar

Type AVS 1/2.25	0,5 m NPS 25, ex./int.th.
Type AVS 01.25	1 m NPS 25, ex./int.th.
Type AVS 02.25	2 m NPS 25, ex./int.th.
Type AVS 03.25	3 m NPS 25, ex./int.th.
Type AVS 04.25	4 m NPS 25, ex./int.th.
Type AVS 05.25	5 m NPS 25, ex./int.th.
Type AVS 10.25	10 m NPS 25, ex./int.th.
Type AVS 15.25	15 m NPS 25, ex./int.th.
Type AVS 20.25	20 m NPS 25, ex./int.th.

■ Armoured on both side, G 1 1/4" ex./int.th., max. 35 bar

Type AVS 1/2.32	0,5 m NPS 32, ex./int.th.
Type AVS 01.32	1 m NPS 32, ex./int.th.
Type AVS 02.32	2 m NPS 32, ex./int.th.
Type AVS 03.32	3 m NPS 32, ex./int.th.
Type AVS 04.32	4 m NPS 32, ex./int.th.
Type AVS 05.32	5 m NPS 32, ex./int.th.
Type AVS 10.32	10 m NPS 32, ex./int.th.
Type AVS 15.32	15 m NPS 32, ex./int.th.
Type AVS 20.32	20 m NPS 32, ex./int.th.

■ Special armoring for AVS, on both sides with cap nut, additional charge

Type ÖVS 2M12	int.th. 1/2"
Type ÖVS 2M16	int.th. 3/4"
Type ÖVS 2M20	int.th. 3/4"
Type ÖVS 2M25	int.th. 1"
Type ÖVS 2M32	int.th. 1 1/4"

part no.	price EUR
20 548	41,23
20 517	41,23
20 518	47,20
20 519	54,37
20 520	60,35
20 521	67,52
20 522	108,15
20 523	142,80
20 524	178,65
20 549	54,37
20 550	54,37
20 551	65,13
20 552	73,49
20 553	81,86
20 554	87,83
20 555	134,44
20 556	175,07
20 557	221,67
20 539	56,76
20 540	56,76
20 541	67,52
20 542	75,88
20 543	86,64
20 544	95,00
20 545	148,78
20 546	196,58
20 547	250,35
20 659	71,10
20 660	71,10
20 661	86,64
20 662	98,59
20 663	111,73
20 664	124,88
20 665	190,60
20 666	256,33
20 667	322,05
20 679	110,54
20 680	110,54
20 681	136,83
20 682	164,31
20 683	190,60
20 684	241,99
20 685	320,86
20 686	452,31
20 687	513,25
20 692	6,57
20 693	8,96
20 694	8,96
20 695	11,35
20 696	25,69

Double nipple see page 167



Type DN



Type RN



Type RM



Type RSV-S



Type RSV-G



Type SSK 20 GR



Type HS 20



Type HK 20

Double nipple

Type DN 06	NPS 06,	1/4" ex. th. / 60°
Type DN 10	NPS 10,	3/8" ex. th. / 60°
Type DN 12	NPS 12,	1/2" ex. th. / 60°
Type DN 20	NPS 20,	3/4" ex. th. / 60°
Type DN 25	NPS 25,	1" ex. th. / 60°
Type DN 32	NPS 32,	1 1/4" ex. th. / 60°
Type DN 50	NPS 50,	2" ex. th.

Reduction-nipple

Type RN 10 - 06	NPS 10-06,	3/8" - 1/4" ex. th. / 60°
Type RN 12 - 10	NPS 12-10,	1/2" - 3/8" ex. th. / 60°
Type RN 20 - 12	NPS 20-12,	3/4" - 1/2" ex. th. / 60°
Type RN 25 - 20	NPS 25-20,	1" - 3/4" ex. th. / 60°
Type RN 32 - 25	NPS 32-25,	1 1/4" - 1" ex. th. / 60°
Type RN 25 - 12	NPS 25-12,	1" - 1/2" ex. th. / 60°
Type RN 32 - 20	NPS 32-20,	1 1/4" - 3/4" ex. th. / 60°

Reduction-muffing

Type RM 10 - 06	NPS 10-06,	3/8" int.th. - 1/4" int.th.
Type RM 12 - 10	NPS 12-10,	1/2" int.th. - 3/8" int.th.
Type RM 20 - 12	NPS 20-12,	3/4" int.th. - 1/2" int.th.
Type RM 25 - 20	NPS 25-20,	1" int.th. - 3/4" int.th.
Type RM 32 - 25	NPS 32-25,	1 1/4" int.th. - 1" int.th.
Type RM 25 - 12	NPS 25-12,	1" int.th. - 1/2" int.th.

Return valve

Type RSV 12-S	NPS 12,	1/2" int.th. tilted
Type RSV 12-G	NPS 12,	1/2" int.th. straight
Type RSV 20-S	NPS 20,	3/4" int.th. tilted
Type RSV 20-G	NPS 20,	3/4" int.th. straight
Type RSV 25-S	NPS 25,	1" int.th. tilted
Type RSV 25-G	NPS 25,	1" int.th. straight
Type RSV 32-S	NPS 32,	1 1/4" int.th. tilted
Type RSV 32-G	NPS 32,	1 1/4" int.th. straight
Type RSV 50-S	NPS 50,	2" int.th. tilted
Type RSV 50-G	NPS 50,	2" int.th. straight

Hydraulic clutch / -plug

Type SSK 20 GR	clutch, DN 20,	3/4" IG
Type STÜ 20	plug, DN 20,	1/2" AG
Type HK 20	clutch, DN 20,	3/4" IG
Type HS 20	plug, DN 20,	3/4" IG

Special sizes on request.

part no.	price EUR
20 621	5,38
20 622	6,57
20 623	10,16
20 624	11,35
20 625	26,17
20 626	39,32
20 627	53,66

20 628	5,38
20 629	6,57
20 630	7,77
20 631	14,22
20 632	39,32
20 633	26,17
20 634	39,32

20 704	5,38
20 705	6,57
20 706	7,77
20 707	14,22
20 708	39,32
20 709	26,17

20 526	38,84
20 527	25,69
20 528	51,98
20 529	31,67
20 530	60,83
20 531	39,32
20 532	87,12
20 533	52,46
20 534	165,99
20 535	78,75

50 530	143,28
50 511	71,58
20 601	143,28
20 603	59,63



Mod. 9.10.12

Mod. 9.15.12

Type WP 9

Type MP 9/W

Mod. WSR 4

Series 9

These series contains a release spring, which facilitates multiple detents per complete rotation for best use. It is easily mounted with four screws.

Model 9.10.12/1

Open Version

- Automatic hose reel varnished version partly galvanized
- Variable Outlet window with PVC rollers
- Base made out of galvanised steel
- **Incl. 10 m rubber hose** NPS 12 and buffer
- Axial-swivel joint, G 1/2" ex.th./int.th., max. 50 bar
- Dim. approx. 460 x 200 x 460 mm (L x W x H), 17 kg
- Optional: Rapid-SCS® - controlled reeling technology

Model 9.15.12/1

- Identical with model 9.10.12/1, but
- **Incl. 15 m rubber hose** NPS 12
- Axial-swivel joint, G 1/2" ex.th./int.th., max. 50 bar
- Dim. approx. 490 x 200 x 490 mm (L x W x H), 21 kg

Model 9.06.16/1

- Identical with model 9.15.12/1, but
- **Incl. 6 m rubber hose** NPS 16
- Axial-swivel joint G 3/4" int.th/G 1/2" ex.th., max. 45 bar
- Dim. approx. 490 x 200 x 490 mm (L x W x H), 22 kg

Model 9.10.16/1

- Identical with model 9.15.12/1, but
- **Incl. 10 m rubber hose** NPS 16
- Axial-swivel joint G 3/4" int.th/G 1/2" ex.th., max. 45 bar
- Dim. approx. 490 x 200 x 490 mm (L x W x H), 22 kg

Model 9.08.16-V/1

- Identical with 9.10.16/1, but
- **Incl. 8 m vacuum hose** NPS 16

Model 9.08.20-V/1

- Identical with 9.10.16/1, but
- **Incl. 8 m vacuum hose** NPS 20

Accessories

Type Rapid-SCS

- Additional charge for Rapid-SCS series 9

Type WP 9

- Swivelable mounting plate 120° for series 9
- Pivot angle lockable, galvanised

Type MP 9/W

- Angled mounting plate for series 9

Cabinet for hose reels

Housing steel sheet, to be opened with plastic shutter. For mounting at wall, including drip tray and drain screw.

Model WSR 4

- Could take up to 4 hose reels series 9
- Dim. approx. 1050 x 600 x 630 mm (L x W x H)

Model WSR 2

- Could take up to 2 hose reels series 5
- Dim. approx. 1050 x 600 x 630 mm (L x B x H)

Additional freight charges for models WSR

part no.	price EUR
09 003	476,81
09 004	620,21
09 006	488,76
09 007	632,16
09 064	584,36
09 069	644,11
09 599	166,11
09 500	77,68
09 545	82,46
09 600	1.069,53
09 601	1.069,53
	Request



Mod. 9.10.12-GS



Mod. 9.15.12-GS



Type MSV 9 GS



Type WP 9-GS



Type 9-GS/W



Type MP 9

Series 9-GS

These series contains a release spring, which facilitates multiple detents per complete rotation for best use. It is easily mounted with four screws.

Model 9.10.12-GS/1

Enclosed version

- Automatic hose reel, sheet steel
- Varnished sheet steel case
- Outlet window with plastic rollers
- **Incl. 10 m rubber hose** NPS 12 and buffer
- Axial-swivel joint, G 1/2" ex./int.th., max. 50 bar
- Dim. approx. 590 x 200 x 500 mm (L x W x H), 21 kg

Model 9.15.12-GS/1

- Identical with model 9.10.12-GS/1, but with
- **Incl. 15 m rubber hose** NPS 12
- Axial-swivel joint, G 1/2" ex./int.th.
- Dim. approx. 590 x 200 x 500 mm (L x W x H), 25 kg

Model 9.08.16-GS/1

- Identical with model 9.15.12-GS/1, but with
- **Incl. 8 m rubber hose** NPS 16
- Axial-swivel joint, G 3/4" int.th./G 1/2" ex.th., max. 45 bar
- Dim. approx. 590 x 200 x 500 mm (L x W x H), 26 kg

Model 9.10.16-GS/1

- Identical with model 9.15.12-GS/1, but with
- **Incl. 10 m rubber hose** NPS 16
- Axial-swivel joint, G 3/4" int.th./G 1/2" ex.th., max. 45 bar
- Dim. approx. 590 x 200 x 500 mm (L x W x H), 27 kg

Model 9.08.16-VGS/1

- Identical with model 9.10.16-GS/1, but with
- **Incl. 8 m vacuum hose** NPS 16

Model 9.08.20-VGS/1

- Identical with model 9.10.16-GS/1, but with
- **Incl. 8 m vacuum hose** NPS 20

Accessories:

Type Rapid-SCS

- Additional charge for Rapid-SCS Series 9-GS

Modul cover for hose reels

The modul cover is made out of stainless steel and designed in one unit. It is suitable for overhead or wall assembly as well as columns.

Type MSV 9 GS

- 1 x for two reels series 9 GS

Type MSV 9 GS-L

- 1 x per unit, for left side ending

Wall panels for hose reels

Type WP 9-GS

- Swivelable mounting plate 120° for series 9-GS
- Pivot angle lockable, galvanised

Angled mounting plate for hose reels

Type MP 9-GS/W

- Angled mounting plate for series 9-GS

Mounting plates for hose reels

Type MP 9/2 for two reels of series 9

Type MP 9/3 for three reels of series 9

Type MP 9/4 for four reels of series 9

Type MP 9/2-GS for two reels of series 9-GS

Type MP 9/3-GS for three reels of series 9-GS

Type MP 9/4-GS for four reels of series 9-GS

part no.	price EUR
09 047	584,36
09 048	727,76
09 049	596,31
09 050	739,71
09 065	679,96
09 070	751,66
09 597	166,11
09 547	106,36
09 548	130,26
09 514	89,63
09 546	82,46
09 531	190,01
09 505	225,86
09 515	273,66
09 540	309,51
09 541	333,41
09 544	357,31



Mod. 9.10.12/E/1



Mod. 9.15.12/E/1



Type WP 9



Type MP 9/E

Series 9/E

These hose reels are designed with release spring and a detent possibility for optimal use. They can be easily mounted on the wall or on the floor with 4 screws.

Model 9.10.12/E/1

Open Version

- Automatic hose reel, entirely made out of stainless steel (E)
- Variable Outlet window with PVC rollers
- **Incl. 10 m rubber hose** NPS 12 and buffer
- Axial-swivel joint, G 1/2" ex.th./int.th., max. 50 bar
- Dim. approx. 486 x 200 x 486 mm (L x W x H), 17 kg
- **Optional: Rapid-SCS®** - controlled reeling technology

Model 9.15.12/E/3

- Identical with model 9.10.12/E/1, but
- **Incl. 15 m rubber hose** NPS 12
- Axial-swivel joint, G 1/2" ex.th./int.th., max. 50 bar
- Dim. approx. 486 x 200 x 490 mm (L x W x H), 21 kg

Model 9.08.16/E/2

- Identical with model 9.15.12/E/1, but
- **Incl. 8 m rubber hose** NPS 16
- Axial-swivel joint G 3/4" int.th./G 1/2" ex.th., max. 45 bar
- Dim. approx. 490 x 200 x 490 mm (L x W x H), 22 kg

Model 9.10.16/E/3

- Identical with model 9.15.12/E/1, but
- **Incl. 10 m rubber hose** NPS 16
- Axial-swivel joint G 3/4" int.th./G 1/2" ex.th., max. 45 bar
- Dim. approx. 490 x 200 x 490 mm (L x W x H), 24 kg

Model 9.06.16-V/E/1

- Identical with model 9.10.16/E/1, but
- **Incl. 6 m vacuum hose** NPS 16

Model 9.08.20-V/E/2

- Identical with model 9.10.16/E/1, but
- **Incl. 6 m vacuum hose** NPS 20

Accessories

Type Rapid-SCS

- Additional charge for Rapid-SCS series 9/E

Angled mounting plate for hose reels

Type WP 9-GS/E

- Swivelable mounting plate 120° for series 9-GS
- Pivot anlje lockable, galvanised

Mounting plates for hose reels

Type MP 9/2/E for two reels of series 9/E

Type MP 9/3/E for three reels of series 9/E

Type MP 9/4/E for four reels of series 9/E

Type MP 9/2-GS/E for two reels of series 9-GS/E

Type MP 9/3-GS/E for three reels of series 9-GS/E

Type MP 9/4-GS/E for four reels of series 9-GS/E

part no.	price EUR
09 010	608,26
09 011	751,66
09 013	620,21
09 014	763,61
09 087	715,81
09 088	775,56
09 598	213,91
09 579	209,13
09 584	297,56
09 583	321,46
09 586	345,36
09 587	417,06
09 588	440,96
09 589	464,86



Mod. 9.10.12-GS/E/1



Mod. 9.15.12-GS/E/1



Type WP 9-GS/E



Type MP 9/E

Series 9-GS

These hose reels are designed with release spring and a detent possibility for optimal use. They can be easily mounted on the wall or on the floor with 4 screws.

Model 9.10.12-GS/E/1

Closed Version

- Automatic hose reel, entirely made out of stainless steel (E)
- Variable Outlet window with PVC rollers
- **Incl. 10 m rubber hose** NPS 12 and buffer
- Axial-swivel joint, G 1/2" ex.th./int.th., max. 50 bar
- Dim. approx. 486 x 200 x 486 mm (L x W x H), 21 kg
- **Optional: Rapid-SCS®** - controlled reeling technology

Model 9.15.12-GS/E/1

- Identical with model 9.10.12-GS/E/1, but with
- **Incl. 15 m rubber hose** NPS 12
- Axial-swivel joint, G 1/2" ex./int.th.
- Dim. approx. 486 x 200 x 486 mm (L x W x H), 25 kg

Model 9.08.16-GS/E/2

- Identical with model 9.15.12-GS/E/1, but with
- **Incl. 8 m rubber hose** NPS 16
- Axial-swivel joint, G 3/4" int.th./G 1/2" ex.th., max. 45 bar
- Dim. approx. 486 x 200 x 486 mm (L x W x H), 26 kg

Model 9.10.16-GS/E/1

- Identical with model 9.15.12-GS/E/1, but with
- **Incl. 10 m rubber hose** NPS 16
- Axial-swivel joint, G 3/4" int.th./G 1/2" ex.th., max. 45 bar
- Dim. approx. 486 x 200 x 486 mm (L x W x H), 27 kg

Model 9.08.16-VGS/E/1

- Identical with model 9.10.16-GS/E/1, but with
- **Incl. 8 m rubber hose** NPS 16

Model 9.08.20-VGS/E/2

- Identical with model 9.10.16-GS/E/1, but with
- **Incl. 8 m rubber hose** NPS 20

Accessories

Type Rapid-SCS

- Additional charge for Rapid-SCS Series 9-GS/E

Angled mounting plate for hose reels

Type WP 9-GS/E

- Swivelable mounting plate 120° for series 9-GS
- Pivot anlage lockable, galvanised

Mounting plates for hose reels

Type MP 9/2/E for two reels of series 9/E

Type MP 9/3/E for three reels of series 9/E

Type MP 9/4/E for four reels of series 9/E

Type MP 9/2-GS/E for two reels of series 9-GS/E

Type MP 9/3-GS/E for three reels of series 9-GS/E

Type MP 9/4-GS/E for four reels of series 9-GS/E

part no.	price EUR
09 110	739,71
09 111	883,11
09 112	751,66-
09 113	895,06
09 114	835,31
09 115	907,01
09 596	213,91
09 579	209,13
09 584	297,56
09 583	321,46
09 586	345,36
09 587	417,06
09 588	440,96
09 589	464,86

Please note:

Please order outlet pipe separately!
(see page 175)

We recommend the use of axial swivel joint for oil when using flow meters (please order separately).



Flow meter, digital

These volume meter systems allow an accurate and reliable measurement. The LCD-display gives immediate and perfect ratings. The meter mechanism is an oval gear meter.

Flow max.: 1-35 ltr./min (1-10 ltr./min)
 Operating pressure: 50 or 70 bar (10 - 40 bar)
 Operating temperature: 0° up to 50° C or 70° C
 Metering accuracy: ±0,5 % (±0,3 % calibrat.)
 Degree of viscosity: SAE 5 - SAE 240
 (Data in brackets applies for **calibratable** meters)

Model LCD 18/1

- Resetable LCD-display 5-digits / 8 mm
- Non-resetable totalizer, G 1/2" int.th.

Model LCD 18 E

- Resetable LCD-display 6-digits / 12 mm
- Non-resetable totalizer, G 1/2" int.th.
- **Calibratable / according to MID**
optional with calibration certificate

Model LCD 18 K

- Resetable LCD display 5-digit / mm
- Not resettable totalizer thread 1/2 female
- **For antifreeze**

Model LCD 18 S

- Resetable LCD display 5-digit / mm
- Not resettable totalizer thread 1/2 female
- **For windscreen cleaner**

Rubber protective ring type SR-RUND

- For manual flow meters with round totaliser housing

Model LCD 19

- Resetable LCD-display 5-digits / 8 mm
- Non-resetable totalizer, G 3/4" int.th.



Model LCD 50

- Pre-set meter, 6 x pre-selection saving
- Resetable LCD-display 5-digits / 10 mm
- Non-resetable totalizer, G 1/2" int.th.
- Pre-selection in steps of 0,1ltr.

Model LCD 50 RFZ

Radio technology

- Pre-set meter, incl. solenoid valve + transmitter
- Without permission no tapping possible
- Resetable LCD-display 5-digits / 10 mm
- Non-resetable totalizer, G 1/2" int.th.
- Cable free communication between meter and operating unit (only in connec. with MDS-RFZ)

Model LCD 50 RFZ/E

Radio technology

- Identical with LCD 50 RFZ, but
- With inspection glass and 30° outlet
- **Calibratable / according to MID**

Add. charge for calibrat. certificate per meter type VEZ

part no.	price EUR
21 003	297,56
21 004	584,36
21 021	656,06
21 022	656,06
21 508	23,78
21 018	417,06
21 006	835,31
21 011	1.552,31
21 012	1.671,81
21 505	65,73

Please note:

Please order outlet pipe separately!
(see page 175)

We recommend the use of axial swivel joint for oil when using flow meters (please order separately).



Flow meter, digital

These volume meter systems allow an accurate and reliable measurement. The LCD-display gives immediate and perfect ratings. The meter mechanism is an oval gear meter.

Flow max.: 1-35 ltr./min
Operating pressure: 50 bar
Operating temperature: 0° up to 50° C
Metering accuracy: ±0,5 %
Degree of viscosity: SAE 5 - SAE 240

Model LCD 20

- Resetable LCD-display 5-digits / 8 mm
- Non-resetable totalizer, G 1/2" int.th.
- 90° angled outlet

Flow meter, mechanical

The meter mechanism consists of a measuring chamber and oscillating-piston and form together with the cover the basic meter. The measuring chamber, the oscillating-piston and the meter cover are made out of aluminium.

Flow max.: 1-10 ltr./min
Operating pressure: 100 bar (10 or 40 bar)
Operating temperature: -10°C up to + 50°C
Metering accuracy: ±0,65% (±0,3%)
Degree of viscosity: SAE 5 – SAE 240
scale diameter: 80 mm
Weight: 2 kg

(Data in brackets applies for **calibratable** meters)

Model 18 230

- All kinds of oil, indicating range 10 ltr.
- Resetable two handed mechanism
- Non-resetable totalizer
- Connection G 1/2" int.th.

Model 30096-14

- All kind of oil, indicating range 60 ltr.
- Quantity pre-selection, 1 - 60 ltr.
- Meter shuts off automatically after dispensing pre-set quantity
- Resetable double counting mechanism
- Non-resetable totalizer
- Connection G 1/2" int.th.

Model MS 111 E, calibratable

- Calibratable with certificate
- All kind of oil, indicating range 0 ltr.
- Inspection glass to control a bubble-free dispensing
- Resetable double counting mechanism
- Non-resetable totalizer
- Connection G 1/2" int.th.

Add. charge for calibrat. certificate per meter type VEZ

Accessories

Inspection glass type KA

- For type ZP, model KAS and model LCD/E

Inspection glass type MS

- For model MS/E

part no.	price EUR
21 002	536,56
21 100	751,66
21 101	859,21
21 103	895,06
21 505	65,73
21 501	51,27
21 500	66,80



For oil supply:

Nozzle type ZP 12

- For engine oil, hydraulic oil, gear oil, etc.
- Connection G 1/2" int.th., without outlet pipe

Nozzle type ZP 12/K

- For coolant and cleaning agent
- Connection G 1/2" int.th., delivery with outlet pipe and swivel joint

Nozzle type ZP 20/2



- For engine oil, hydraulic oil, gear oil, etc. .
- Connection G 3/4" int.th., delivery with outlet pipe

Nozzle type ZP 20/2 E



- For engine oil, hydraulic oil, gear oil, etc.
- Incl. inspection glass
- Connection G 3/4" int.th., delivery with outlet pipe

In-line meter

In-line meter model LCD 18 U

- Resetable LCD-display 5-digits / 8 mm
- Non-resetable totalizer, G 1/2" int.th.

In-line meter LCD 18 U/M, according to MID

- Resetable LCD-display 6-digits / 12 mm
- Non-resetable totalizer, G 1/2" int.th.

Certificate of EC type examination, calibratable / according to MID

In-line meter LCD 18 UK

- Resetable LCD-display 5-digits / 8 mm
- Non-resetable totalizer, G 1/2" int.th.

For coolant

In-line meter LCD 18 US

- Identical with model LCD 18 UK, but
- For cleaning agent & AdBlue®

Measuring unit / pulse transmitter

Type IPG 2000

- In-line meter 1-15 ltr./min, 1 x per kind of oil
- Pulse transmitter, electrical 1 x 100 ppL
- **Not-calibratable**

Type IPG 2000 E

- In-line meter 1-15 ltr./min, 1 x per kind of oil
- Pulse transmitter, electrical 2 x 100 ppL
- **Certificate of EC type examination, calibratable / according to MID**

Type IPG 2000 K

- In-line meter 1-15 ltr./min, 1 x per coolant
- Pulse transmitter, electrical 1 x 100 ppL
- **Not-calibratable**

Type IPG 2000 B

- Identical with model IPG 2000 K, but for cleaning agent & AdBlue®
- **Not-calibratable**

part no.	price EUR
21 300	77,56
21 303	130,26
21 301	262,78
21 302	328,51
21 005	381,21
21 008	536,56
21 009	536,56
21 010	536,56
26 100	297,56
26 101	668,01
26 111	476,81
26 112	476,81



For oil supply:

Axial-swivel joint type ÖDG 12

- For nozzles and flow meter
- Connection G 1/2" int./ex.th.

Axial-swivel joint type ÖDG 12/K

- Made out of brass, for water, coolant and cleaning agent
- Connection G 1/2" int./ex.th.

Axial-swivel joint type Typ ÖDG 12/K

- For nozzles and flow meter
- Connection G 3/4" int./ex.th.

Inspection glass type KA

- For type ZP, model KAS and model LCD/E

Inspection glass type MS

- For model MS/E

Please order outlet pipe separately!

Outlet pipe type AR-MV 12

- Angled with screw snout
- For engine and gear oil

Outlet pipe type AR-M 12

- Angled with anti-drip snout
- For engine oil

Outlet pipe type AR-M 20

- Angled with anti-drip snout
- For engine oil

Outlet pipe type AR-G 12

- Angled with anti-drip snout
- For gear oil

Outlet pipe type AF-M 12

- Angled with anti-drip snout
- For engine oil

Outlet pipe type AF-G 12

- Angled with anti-drip snout
- For gear oil

Further accessories see on page 139

Colour coordination type FKZ

- For flow meter and nozzles with swivel joint type ÖDG 12

Colour RED type FKZ red

Colour YELLOW type FKZ yellow

Colour BLACK type FKZ black

Colour GREEN type FKZ green

Colour BLUE type FKZ blue

Wall holder type WH 12

- For flow meter and nozzle

Wall holder type WH 12 PLK

- For flow meter and nozzle, large version, height 800 mm
- Specifically for tanks series T/R und T/S (see on page 80 and 81)

Wall holder type WH 12 M/T

- Specifically for tanks series M/T (see on page 83)

Automatic-nozzle type DZP 20

- For diesel, **without type approval**

Automatic-nozzle type DZP 20-B

- For diesel, **incl. type approval**

Automatic-nozzle type DZP 20 Z

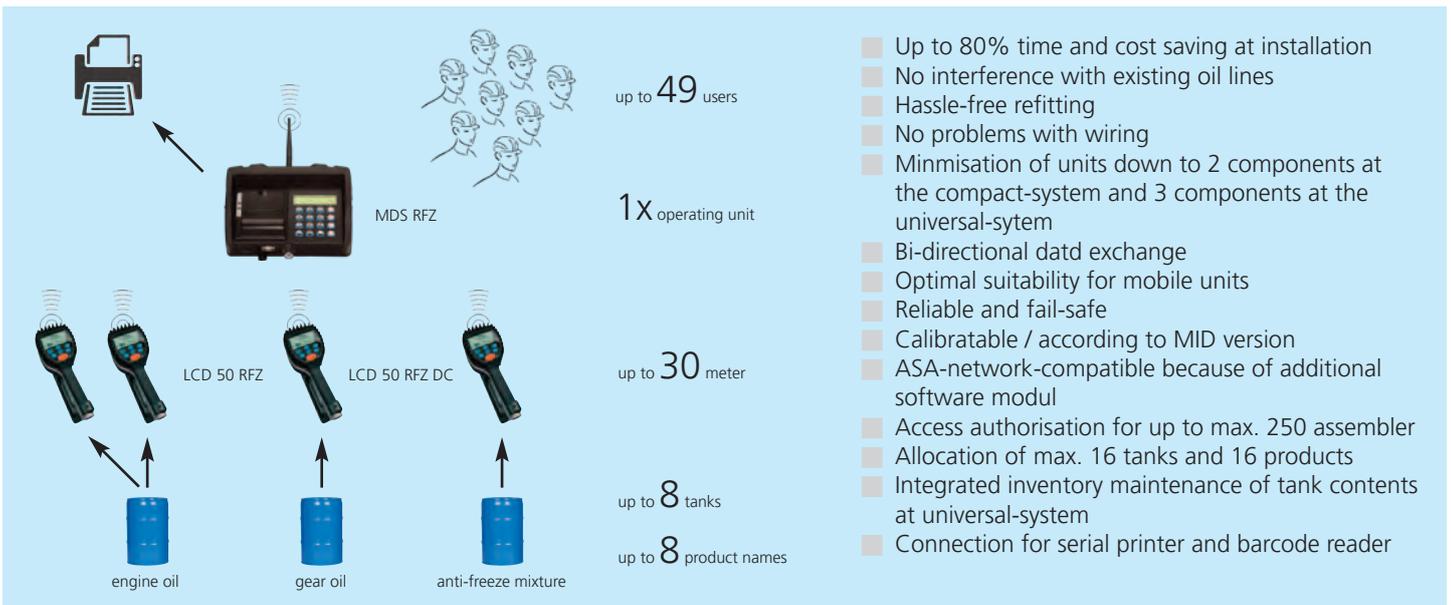
- For diesel, **incl. type approval, with counter**

Automatic-nozzle type DZP 25

- For diesel, **without type approval**

part no.	price EUR
21 200	23,78
21 208	89,51
21 219	39,32
21 501	66,80
21 500	51,27
21 224	19,00
21 201	32,15
21 225	38,12
21 202	35,73
21 203	47,68
21 204	51,27
21 210	8,25
21 211	8,25
21 212	8,25
21 213	8,25
21 214	8,25
21 205	65,61
21 206	107,43
21 218	131,33
28 116	190,01
28 100	237,81
28 115	333,41
28 101	237,81

Oil management with radio technology "Basic"



The compact-system consists of a operating unit with integrated printer MDS-RF, not calibratable or MDS-RF/E, calibratable and up to 30 release counter LCD 50 RFZ and LCD 50 RFZ DC both are **not-calibratable**



Oil management with radio technology

This cable-free innovation creates a new dimension in the oil management of workshops. This radio technology was especially designed for garages. The cable-free communication between control unit and release counters offers many advantages. The add-on system makes the variable adaptation to the local circumstances possible. Even buildings with difficulties regarding radio technology are safely controlled. Do not hesitate to ask for some help for project design.

Compact system „Basic“

Operating unit MDS-RFZ

- Keyboard with display containing 2 lines with 16 digits
- Up to 1500 data memories
- Control of up to 30 taps possible
- Time for tapping break is programmable
- 16 different kinds of oil are possible per system
- 160 fitters per operating unit
- Integrated receipt printer and connection to a printer

Hand held meter LCD 50 RFZ

- Pre-select meter, incl. solenoid valve + transmitter
- Without permission no tapping possible
- LCD-display 5-digits, 10 mm heigh
- Without outlet and swivel joint (see page 167)

Hand held meter LCD 50 RFZ DC

- Identical with model LCD 50 RFZ, but
- For water containing fluids
- With 30° stainless steel outlet

part no.	price EUR
26 007	2.617,05
21 011	1.552,31
21 014	1.910,81

Oil management with radio technology "High-End"



The compact-system consists of a operating unit with integrated printer MDS-RF, not calibratable or MDS-RF/E, calibratable and up to 48 release counter LCD 50 RFZ and LCD 50 RFZ DC both are **not-calibratable**, except LCD 50 RFZ/E **calibratable**.



Calibratable Rapid Measurement plants for lubricants and anti-freeze are licensed for approval according to Certificate of EC-type examination, DE-16-MI005-PTB026.

Universal system "High-End"

Master terminal MT-RF

- Keyboard with display containing 2 lines, 16 digits
- Control of up to 250 taps possible
- Radio data transmission to max. 36 operating units
- Data transmission via RS 232/LAN to PC, server or printer

Master terminal MT-RFZ/E

- Identical with model MT-RFZ, but
- **Calibratable / according to MID**

Operating unit AT-RFZ

- Keyboard with display containing 2 lines, 16 digits
- Radio data transmission to max. 24 hand held meters LCD 50 RFZ and to master terminal

Operating terminal AT-RFZB

- Identical with model AT-RFZ, but
- **Incl. integrated Barcode scanner**

Operating unit AT-RFZ/E

- Identical with model AT-RF, but
- **Calibratable / according to MID**

Operating terminal AT-RFZB/E

- Identical with model AT-RFZ, but
- **Incl. integrated Barcode scanner**
- **Calibratable / according to MID**

Operating terminal AT-RFZ D

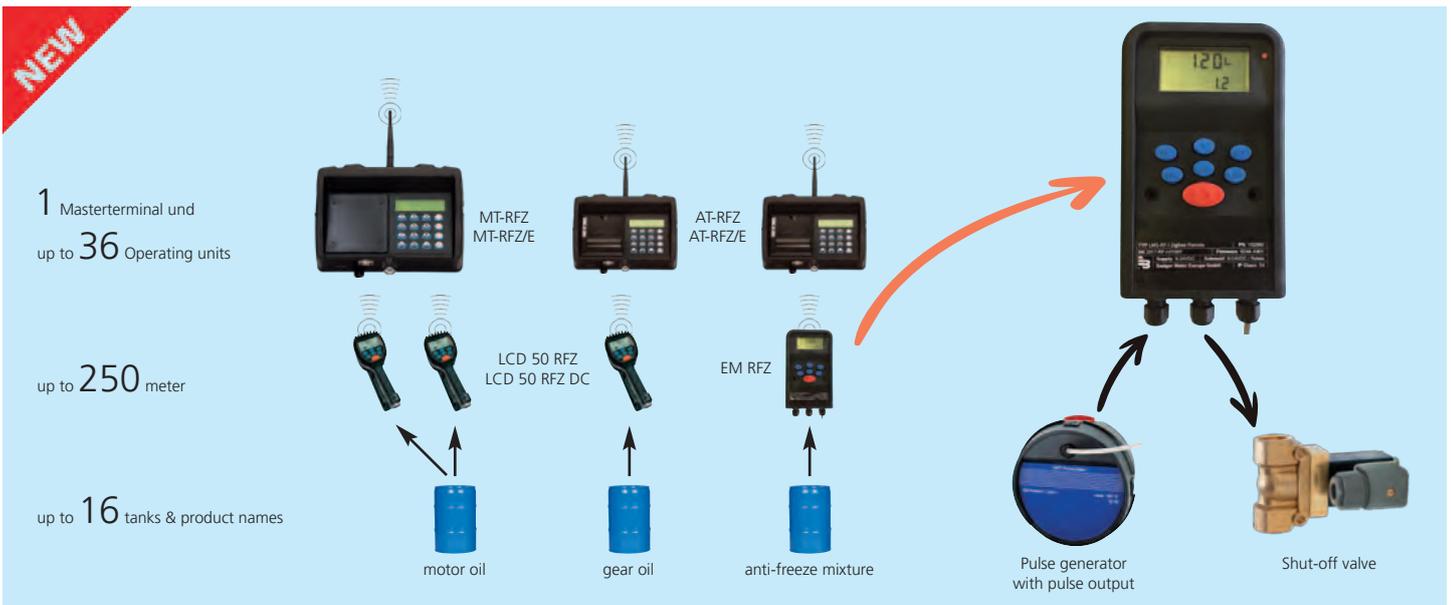
- Keyboard with display containing 2 rows + 16 digits
- Integrated printer
- Radio data transmission to max. 24 hand held meters LCD 50 RFZ and to master terminal

Operating terminal AT-RFZ D/E

- Identical with model AT-RFZ D, but
- **Calibratable / according to MID**

part no.	price EUR
26 033	2.617,05
26 035	4.529,05
26 034	2.139,05
26 044	4.051,05
26 036	2.736,55
26 045	4.768,05
26 037	2.617,05
26 038	2.975,55

Oil management with radio technology "High-End"



Accessories Universal system "High-End"

Remote Elektronik Modul Model EM RFZ

- Electronic module for wall mounting
- 12 - 24 VDC
- Especially for aggressive liquids and AdBlue®

Pulse transmitter Model IPG 2000

- In-line meter 1-15 ltr./min, 1 x per kind of oil
- Pulse transmitter, electrical 1 x 100 ppL
- **Not-calibratable**

Solenoid valve Model MS-OV

- Solenoid valve for low-viscosity media up to 22mpas, 1/2" - 24 VDC

Nozzle type ZP 12

- For engine oil, hydraulic oil, gear oil, etc.
- Connection G 1/2" int.th., without outlet pipe

Oil Management Compact System

FMS Compact is an easy and compact oil management system for up to 4 taps (tank management). With integrated printer, alphanumeric key pad and with an internal big sized graphical display the device is assembled with all necessary operating and service units.

Terminal Model FMS Compact

- Keyboard with graphical display
- UP to 1600 data memories
- Control of up to 4 taps
- For management of up to 4 kinds of oil
- 99 fitters per operation unit
- Integrated receipt printer
- RS 232 port for personal computer, printer and bar code reader

Art.-Nr. Preis EUR

26 039 1.899,00

26 100 297,56

26 013 356,11

21 300 77,56

26 050 2.139,05



Mod. LCD 50 RFZ



Mod. BCS



Type TP



Type RA9



ASA-DMS-Interface-Software



Mod. TF



Mod. ST



Surveillance Software

Accessories Universal System "High-End"

Hand held meter LCD 50 RFZ

- Pre-select meter, incl. solenoid valve + transmitter
- Without permission no tapping possible
- LCD-display 5-digits, 10 mm heigh
- Without outlet and swivel joint (see page 167)

Hand held meter LCD 50 RFZ/E

- Identical with model LCD 50 RFZ, but
- With 30° stainless steel outlet
- **Calibratable / according to MID**

Hand held meter LCD 50 RFZ DC

- Identical with model LCD 50 RFZ, but
- For water containing fluids
- With 30° stainless steel outlet

Bar code scanner Model BCS-K

- Bar code scanner 2 D (hand-held device) with wire (RS 232)
- Incl. bracket (table/wall)
- Pre-configured to compact system FSM and universal system "High-End"

Bar code scanner Model BCS-F

- Bar code scanner 2 D (hand-held device) wireless
- Incl. bracket (table/wall)
- Pre-configured to compact system FSM and universal system "High-End"

Thermographic paper Type TP

- Thermographic paper for printer of models FMS compact, MDS-RFZ and AT-RFZ

Remote Antenne Type RA9

- Remote antenna for master- and operation terminal
- Incl. 9 m cable and wall bracket
- 2 dBi enhancement

ASA-DMS-Interface-Software Model RF-DMS

- Enables the communication between master terminal and Dealer-Management-System (DMS)
- Compatible to ASA-Network

Tank surveillance for system "High-End"

Content remotely display Model TF

- Content remotely display for tank surveillance

Sensor Model ST

- Sensor for tank surveillance

Surveillance Software Model TS

- Software for tank surveillance
- For additional logging and visualization of tank status
- License for up to 56 tanks

part no.	price EUR
21 011	1.552,31
21 012	1.671,81
21 014	1.910,81
26 052	1.422,05
26 031	2.378,05
26 500	23,78
26 501	417,06
26 042	2.258,55
26 020	2.378,05
26 019	824,55
26 032	2.019,55



Mod. AOG 1002/1



Mod. AOG 1003/3



Mod. AOS 1005/3

Mobile waste oil container „AOG“

These containers are suitable for waste oil collection (GF All VbF) underneath car lifts. Emptying by drain tap or compressed air.

Container volume 80 ltr.

Model AOG 1002/1 (without illustr.)

With drain tap, volume 80 ltr.

- **Vertically adjustable rubber grip handle**
- 4 rollers, 2 of them steering rollers
- Dip stick for level control
- **Round funnel, Ø 600 mm,** with insert strainer and rack
- Vertically adjustable from 1200 up to 1600 mm
- Dim. approx. 500 x 500 x 1250 mm (LxWxH), 35 kg

Model AOG 1003/3

Pneumatic emptying, volume 80 ltr.

- **Vertically adjustable rubber grip handle**
- 4 rollers, 2 of them steering rollers
- 2 m transparent dispensing hose
- level indicator with measuring scale
- Safety valve
- Stop tap and damping screw for pneumatic emptying
- Pressure reducing valve, adjusted to 0,8 bar
- **Round funnel Ø 600 mm**
- Vertically adjustable from 1200 up to 1600 mm
- Dim. approx. 500 x 500 x 1250 mm (L x W x H), 35 kg

Mobile waste oil evacuators

These containers are suitable for waste oil collection (GF All VbF) from machines and vehicles. Emptying by a principle of vacuum. **Volume 80 ltr.**

Suction speed: Approx. 3 ltr./min, at a oil temperature of 80 °C

Emptying: with compressed air

Model AOS 1004/3 for waste oil (without illustr.)

- Suction through vacuum principle
- Vertically adjustable rubber grip handle
- 4 rollers, 2 of them steering rollers
- Without funnel
- Emptying by compressed air
- Incl. suction probe type SO-kit (see below)
- Dim. approx. 600 x 600 x 1000 mm (L x W x H), 35 kg

Model AOS 1004-B for break fluid

- Identical with mod. AOS 1004, but for break fluid
- **Volume 80 ltr.**

Model AOS 1004-K for coolant

- Identical with mod. AOS 1004, but for coolant
- **Volume 80 ltr.**

Model AOS 1005/3 for waste oil

Multi purpose unit for suction and collection of waste oil

- Identical with model 1004, but
- Also for collecting waste oil below carlifts
- **Vertically adjustable rubber grip handle**
- **Round funnel Ø 600 mm**
- Incl. suction probe type SO-kit (see below)
- Vertically adjustable 1200 - 1600 mm
- Dim. approx. 600 x 600 x 1200 mm (LxWxH), 35 kg

Model AOS 1005-B for break fluid

- Identical with mod. AOS 1005, but for break fluid

Model AOS 1005-K for coolant

- Identical with mod. AOS 1005, but for coolant

part no. price EUR

50 014 393,16

50 017 393,16

51 014 536,56

51 050 656,06

51 051 536,56

51 017 715,81

51 055 835,31

51 056 715,81



Mobile waste oil evacuators

These containers are suitable for waste oil collection (GF All VbF) from machines and vehicles. Emptying by a principle of vacuum. Volume 80 ltr.

Suction speed: Approx. 3 ltr./min, at a oil temperature of 80°C
Emptying: with compressed air

Model AOS 1012/2

Multi purpose unit for suction and collection of waste oil

- Vacuum production through venturi injector
- Transparent control container, 8 ltr.
- Vertically adjustable rubber grip handle
- Round funnel Ø 600 mm
- Vertically adjustable 1040 - 1770 mm
- Incl. suction probe type SO-kit (see below)
- Dim approx 700 x 650 x 1100 mm (L x W x H), 45 kg

Accessories for AOG and AOS

Level indicator type FSM

- Luminous display, red
- For mod. AOG, model AOS and barrels with 3/4" G

Upgrade kit for AOG type NRS-AOG

- Vacuum kit, suction probe set incl. adaptor and suction probe quiver

Suction probe set type SO-set

- One adaptor each type AOA DC, BMW, VW
- 3 flexible probes, 700 mm Ø 5, 6 and 8 mm
- 1 flexible probe, 1000 mm, Ø 7 mm
- 1 rigid probe, 700 mm, Ø 6 mm

Holder for paper roll type PRH

- For AOG- and AOS-units
- Corrosion protected steel construction, galvanized
- Variable circle tear blank
- Suitable for rolls until max. 220 mm wideness

Cleaning paper roll type PR (pack = 2 items)

Cleaning paper roll for paper roll holder. Strong and absorbent, especially usable to reduce coarse dirt. Ideal for oil, fat and slight solvents.

- 100% recycling paper, blue, perforated
- 500 sheets, 2-ply, volume characterized
- Size of cloth: 220 x 380 mm

Multi-purpose pan model MZS 15

- Multi-purpose pan made of plastic, black
- Especially for the usage underneath cars
- Handlebars for easy carriage of the full trough
- Capacity of pan 15 ltr.
- Spout for easy draining
- Dim. approx. 440 x 500 x 140 mm (L x W x H)

Spray protection Ø 600 mm type TAS

- Round version, three parts
- For AOG and AOS with 80 and 120 Ltr.-volume

Funnel Ø 400 mm Type AOT 80

- Round version, incl. sieve
- Only for AOG and AOS with 80 Ltr.-volume

Funnel Ø 400 mm Type AOT 120

- Round version, incl. sieve
- Only for AOG and AOS with 120 Ltr.-volume

Funnel Ø 400 mm Type AOT 80/2

- Funnel with ball valve
- Round version, incl. sieve
- Only for AOG and AOS with 80 Ltr.-volume

Funnel Ø 400 mm Type AOT 120/2

- Funnel with ball valve
- Round version, incl. sieve
- Only for AOG and AOS with 120 Ltr.-volume

Fine sieve insert Type FSE 6 (w. illustr.)

- Fine sieve for AOT 80 and AOT 120, Ø 400 mm

part no.	price EUR
51 019	835,31
51 514	154,16
51 521	357,31
51 500	201,96
51 524	58,56
51 525	46,61
25 129	35,73
50 520	37,05
50 500	101,58
50 505	113,53
50 501	137,43
50 535	149,38
50 536	85,10



Mobile waste oil container „AOG“

These containers are suitable for waste oil collection (GF All VbF) underneath car lifts. Emptying by drain tap or compressed air.

Container volume 120 ltr.

Model AOG 1203

Pneumatic emptying, volume 120 ltr.

- **Vertically adjustable rubber grip handle**
- 2 m transparent dispensing hose serving
- **Covered level indicator with measuring scale**
- 2 rubberized storage tray
- Safety valve
- **Round funnel incl. attachment Ø 600 mm**
- Vertically adjustable from 1200 up to 1600 mm
- Stop tap and damping screw for pneumatic emptying
- Pressure reducing valve, adjusted to 0,8 bar
- 4 rubber tyre, 2 of it are dirigible
- Dim. approx. 520 x 490 x 1140 mm (LxWxH), 44 kg

Mobile waste oil evacuators „AOS“

These containers are suitable for waste oil collection (GF All VbF) from machines and vehicles. Emptying by a principle of vacuum. **Volume 120 ltr.**

Suction speed: Approx. 3 ltr./min, at a oil temperature of 80 °C

Emptying: with compressed air

Model AOS 1205

Multi purpose unit for suction and collection of waste oil, Container volume 120 ltr.

- Identical with model 1203, but
- Emptying by a principle of vakuum
- **Round funnel incl. attachment Ø 600 mm**
- Incl. suction probe set type SO-set (see page163)
- Vertically adjustable from 1200 up to 1600 mm
- Dim. approx. 520 x 490 x 1140 mm (LxWxH), 44 kg

Model AOS 1201

Multi purpose unit for suction and collection of waste oil

- Suction and collecting through double diaphragm pump type OP 20 K III
- Also for collecting waste oil below carlifts
- **Vertically adjustable rubber grip handle**
- **Round funnel Ø 600 mm**
- Incl. suction probe type SO-kit (see below)
- Vertically adjustable 1200 - 1600 mm
- Dim. aoprx. 500 x 500 x 1200 mm (L x W x H), 37 kg

part no. price EUR

50 060 476,81

51 060 835,31

51 010 1.432,81



Mod. AOG 1200/2



Mod. ÖFA



Mod. AOG 1003-Z



Mod. AOS 1007

Mobile waste oil cart

Model AOG 1200/2

Mobile waste oil cart for 200 ltr.-barrels, type ÖAM 200-2/2

- 2 rollers Ø 200 mm and 2 steering rolls Ø 80 mm and handle
- **Round funnel, Ø 600 mm**
- Vertically adjustable from 610 up to 1160 mm
- Dip stick for level control
- Dim. approx. 780 x 600 x 1400-1850 mm (L x W x H)
- 24 kg
- Delivery without barrel

Model W 08

(without illustr.)

Drip pan without grid for mod. AOG 1200 and AOG 1200/1

- Pan volume 210 ltr.
- Dim. approx. 1000 x 650 x 160 mm (L x W x H), 41 kg
- **According to Construction Production List,** (illustr. see page 199)

Mobile oil filter units

Model ÖFA

- Oil filter unit for the maintenance of hydraulic and lubrication oil circulation
- Vane pump 230 V, 0,75 kW, approx. 25 l/min
- Suction and pressure pipe, filter with 10µ change cartridge and dirt indicator
- Frame with 2 rollers and handle

Mobile waste oil container for motorcycles

These containers are suitable for waste oil collection (GF All VbF) underneath car lifts. Emptying by compressed air.
Container volume 80 ltr.

Model AOG 1003-Z

Pressure air emptying, volume 80 ltr.

- Especially suited for motor bikes
- 4 rollers, 2 of them steering rollers, handle
- **Swivelling round funnel - specifically for motorcycle lifts**
- Vertically adjustable from 840 up to 1160 mm
- Volumet 80 ltr.
- Dim. approx. 500 x 500 x 1250 mm (LxWxH), 35 kg

Mobile waste oil evacuators

The waste oil is syphoned off by a special electric pump, which creates an extremely high vacuum. Suction probes evacuate the waste oil out of the oil shank.

Suction speed: Approx. 3 ltr./min, at 80 °C oil temperature

Model AOS 1007

- Electr. suction pump 230 V~, 50 Hz, 0,5 kW
- Frame with 2 rollers and a handle
- Portable see-through 12 ltr.-tank with gauge marks
- 2 m suction hose, sensor kit
- 5 m power cable, weight approx. 16,5 kg

part no.

price EUR

50 013

500,71

25 005

357,31

51 005

895,06

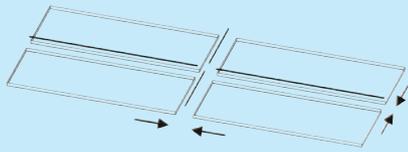
50 007

656,06

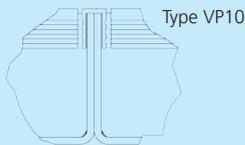
51 004

775,56

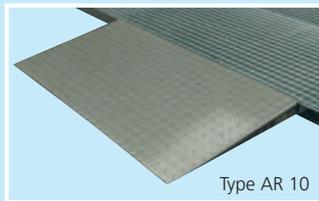
RAPID-drain pans are type examination tested according to the quality mark, TÜV-Hessen, WS-Ü 12/12-01 building code A part 1, consecutive no.: 15.22



Mod. RZW 10



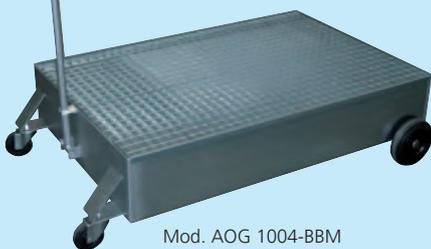
Type VP10



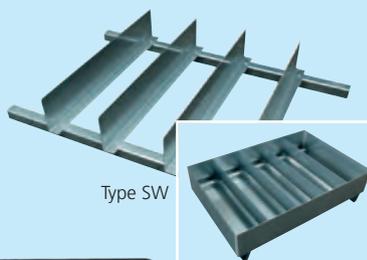
Type AR 10



Mod. AOG 1004-M/1



Mod. AOG 1004-BBM



Type SW



Type FSE 1

Idle State Pan

Collecting pan with grid and without feet, galvanized. For all mobile oil- and grease dispenser machines in idle state, in order to comply with regulations according to Water Resources Act (WHG).

Model RZW 10

Ideal for the storage of ÖAM models in idle state capacity of trough 230 ltr.

- Capacity of pan 230 ltr.
- Weight approx. 230 kg
- Load max. 2t wheel pressure on load area 200 x 200 mm
- Dim. approx. 2840 x 1340 x 82 mm (L x W x H)

Carrying charges for model RZW not included

Accessories

Steel channel for RZW 10 type VP10Q

- For linking drain pans crosswise (L= 1390 mm)
- Steel sheet zinc coated

Steel channel for RZW 10 type VP10L

- For linking drain pans lengthwise (L= 2890 mm)
- Steel sheet, zinc coated

Ramp for RZW 10 type AR10

- Steel sheet zinc coated
- Load 250 kg
- Dim. approx. 990 x 600 x 80 mm (L x W x H)
- Weight approx. 19 kg

Pit pans

mobile collection pans for waste oil dangerous class A III VbF for industry and work shops.

Model AOG 1004-M/1

- Mobile 60 ltr. steel sheet pan, varnished
- Steering link swiveling
- Removable grid
- Drain cock
- 4 wheels Ø 180 mm, two of them steerable Ø 80 mm
- Dim. approx. 1092 x 700 x 252 mm (L x W x H)

Model AOG 1004-BM/1

- Mobile 100 ltr. steel sheet pan, varnished
- Identical with model AOG 100-M/1, but with
- Dim. approx. 1164 x 1040 x 252 (L x W x H)

Model AOG 1004-BBM

- Mobile 200 ltr. steel sheet pan moveable with grid zinc coated
- Identical with model AOG 100-M/1, but with
- Removable grid
- Load max. 500 kg, weight approx. 68 kg
- Dim. approx. 1520 x 957 x 327 mm (L x W x H)

Additional freight charges for model AOG 1004

Accessories

Anti-sloshing baffle insert type SW

- Anti-sloshing baffle insert for waste oil pan model AOG 1004-BBM for secure transport of fluids

Fine sieve insert Type FSE 1

- Fine sieve for mod. AOG 1004-BBM

Fine sieve insert Type FSE 2

- Fine sieve for mod. AOG 1004-BM

Fine sieve insert Type FSE 3

- Fine sieve for mod. AOG 1004-M

Fine sieve insert Type FSE 4

- Fine sieve for mod. AOG 1004/1, 1004-P, AOG 1004-E

Fine sieve insert Type FSE 5

- Fine sieve for mod. AOG 1004-B/1, -PB, -EB, -BS, -PBS, -EBS

part no.	price EUR
25 053	1.541,55
	Request
25 505	34,66
25 506	58,56
25 507	417,06
53 003	699,08
53 004	770,78
53 011	890,28
	Request
53 500	316,68
53 501	256,93
53 502	234,10
53 503	210,20
53 507	160,20
53 508	190,10



Mod. AOG 1004/1



Mod. AOG 1004-P/1



Mod. AOG 1004-B/1



Mod. AOG 1004-BS/1



Mod. AOG 1004-PBS/1

Pit pans - 60 Ltr.

Designed for collecting oil of GF AIII VbF in repair pits. Emptying by drain tap, pneumatic or electrical pump. The four rollers can be adjusted to pit dimensions from 780 up to 1350 mm width.

Model AOG 1004/1

With drain tap

60 ltr.-steel sheet pan, incl. handle

Removable strainer and anti-sloshing baffle

Dim. approx. 800 x 700 x 270 mm (L x W x H), ca. 24 kg

Model AOG 1004-P/1

With pneumatic double diaphragm pump

Identical with model AOG 1004/1, but with

Removable strainer and anti-sloshing baffle

Pneum. suction pump OP 20 K III/2, mounted on the pan

Oil connection hose with return valve for the connection between waste oil pipe and waste oil pit pan type AOG 1004-P

No more interim container necessary

Model AOG 1004-E/1

With electrical pump

Identical with model AOG 1004-P/1, but with

Electrical suction pump OP 140 E/1, mounted on the pan

Pit pans - 100 Ltr.

Designed for collecting oil of GF AIII VbF in repair pits. Emptying by drain tap, pneumatic or electrical pump. The four rollers can be adjusted to pit dimensions from 780 up to 1350 mm width.

Model AOG 1004-B/1

With drain tap

100 ltr.-steel sheet pan, incl. handle

Removable strainer and anti-sloshing baffle

Dim. approx. 1000 x 700 x 270 mm (L x W x H), ca. 40 kg

Model AOG 1004-PB/1

With pneumatic double diaphragm pump

Identical with model AOG 1004-B/1, but with

Removable strainer and anti-sloshing baffle

Pneum. suction pump OP 20 K III/2, mounted on the pan

Oil connection hose with return valve for the connection between waste oil pipe and waste oil pit pan type AOG 1004-P

No more interim container necessary

Model AOG 1004-EB/1

Identical with model AOG 1004-PB/1, but with

Electrical suction pump OP 140 E/1, mounted on the pan

Pit pans - 100 Ltr. with splash guard

Model AOG 1004-BS/1

With drain tap

100 ltr.-steel sheet pan, incl. handle

Removable strainer and anti-sloshing baffle

Incl. closeable splash guard

Dim. approx. 1000 x 700 x 270 mm (L x W x H), ca. 40 kg

Model AOG 1004-PBS/1

With pneumatic double diaphragm pump

Identical with model AOG 1004-BS/1, but with

Removable strainer and anti-sloshing baffle

Incl. closeable splash guard

Pneum. suction pump OP 20 K III/2, mounted on the pan

Oil connection hose with return valve for the connection between waste oil pipe and waste oil pit pan type AOG 1004-P

No more interim container necessary

Model AOG 1004-EBS/1

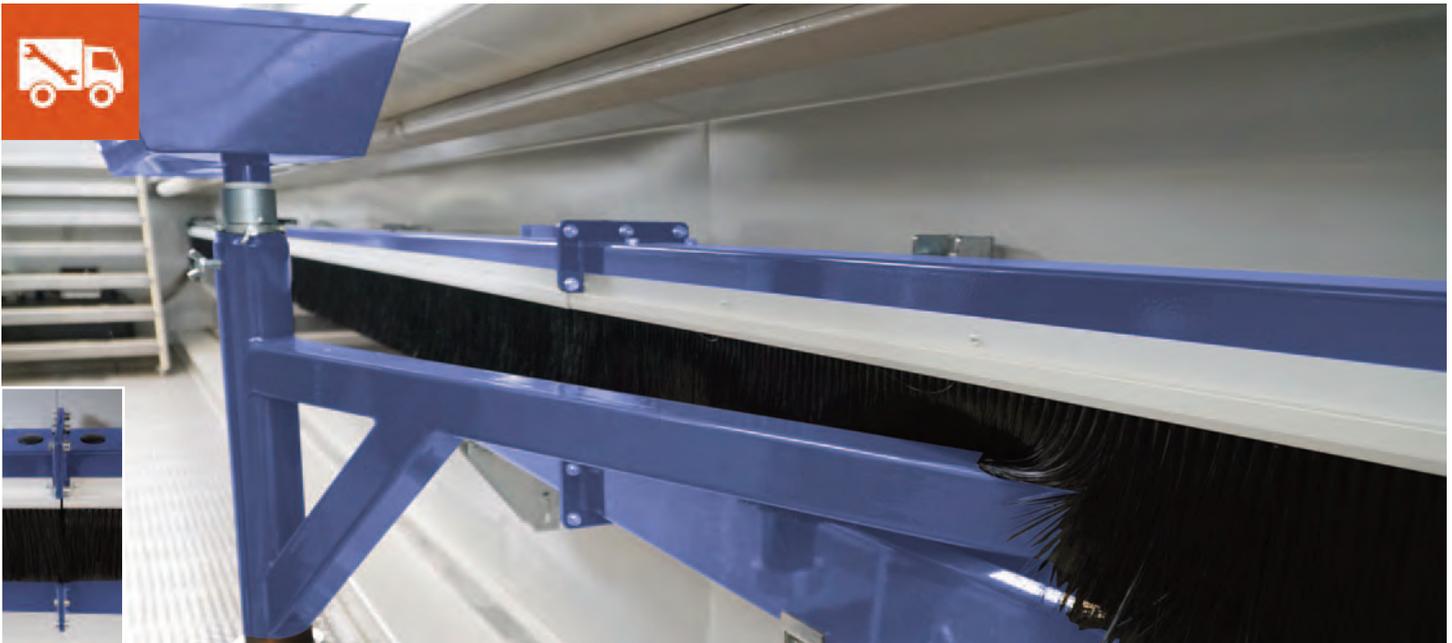
Identical with model AOG 1004-PBS/1, but with

Incl. closeable splash guard

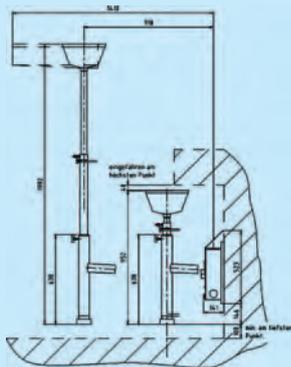
Electrical suction pump OP 140 E/1, mounted on the pan

Additional freight charges for model AOG 1004

part no.	price EUR
53 001	591,53
53 005	1.308,53
53 007	1.428,03
53 002	651,28
53 006	1.368,28
53 008	1.428,03
53 012	830,53
53 013	1.547,53
53 014	1.607,28
	Request



Mod. PAR / PAT / PBA



Type PWS



Permanent Waste Oil Management

Designed for the collection and disposal of waste oil (know origin, flash point >55) in pit pans.
By means of a movable, vertically adjustable and swivelling collection funnel nearly the entire area of the pit pan can be reached.

Modell PAR 1/1

Permanent drain channel (price per piece)

- Drain channel 1 m
- Guide rail for drain for collection funnel
- Wall holder (1 holder per meter)
- Tail end with the possibility to connect either pneumatic Pump model DP respectively waste oil interim container Mod. AZB

Model PAR 3/1

Permanent drain channel (price per piece)

- Identical to model Par 1, but
- Drain channel 3 m

Modell PBA

Permanent brush cover (price per meter)

- For drain channel

Model PAT/1

Permanent collection funnel

- Square, approx. 20 l.
- Swivelling (180°) and moveable
- Telescopic up to max 1000 m height

Additional freight charges for model PAR and PBA

Request

Accessories

Tail End Cover Set Type PSD (w. illustr.)

- For permanent drain channel model PAR
- Left/right with 2" muffler female

Flexible hose Type PWS

- For the connection of tail end cover type PSD to waste oil interim container model AZB
- 1 m DN 50, incl. double nipple DN 50

Sealing Material Type PDM (w. illustr.)

- For the connection of permanent drain channels Mod. PAR/1
- 200 ml cartridge – for up to 5 connections

Fine sieve insert Type PFS (w. illustr.)

- Fine screen for permanent collection hopper model PAT/1
- Mesh size 2.5 x 0.8 mm, dim. approx. 580 x 215 mm

part no.

price EUR

54 011

412,28

54 012

1.189,03

54 003

89,63

54 002

2.384,03

54 514

297,56

54 515

357,31

54 516

89,63

54 517

101,57



Interim waste oil container

Model AZB/P/1

Interim waste oil container for pit pans

- Collection tank approx. 80 ltr.
- Level indicator
- Pneumatic pump type OP50 KIII
- Flexible connection oil and air
- Optional: on /off switch for pump
- Dim. approx. 820 x 300 x 700 mm (L x W x H)

Model AZB/E/1

Interim waste oil container for pit pans

- Identical to model AZB/P/1 but with
- Electric pump op 140 E/1, 0,55 kW, 230 V

Additional freight charges for model AZB

Accessories

Safety Kit for AZB Type SP-AZB

- Overfill prevention with acoustic signal and level indicator
- Incl. signal horn type HPL, signal lamp type SL

Switch type TA

- Switch with control light, 10 A

Collection funnel with swivelling arm Type AOT 4

- Square, 20 ltr.
- Connection thread DN 50 male
- Swivelling range – 600 mm
- Dim. approx. 150 x 100 x 250 mm (L x W x H)

Underframe for AZB type UG/AZB

- With adjustable pedestal, without rollers
- Dim. approx. 650 x 310 x 150 mm (L x W x H)

Control container

Model ASB/P

- Control tank with floater switch 230 V to trigger the pneumatic pump incl. solenoid valve G 1/4" int. th., 15 bar, 230 V, 100% duty ratio for the air pipe, dead closed
- Dim. approx. 300 x 110 x 380 mm (L x W x H)

Model ASB/E

- Control tank with floater switch 230 V to trigger the electrical pump incl. control box and motor conductor
- Dim. approx. 300 x 110 x 380 mm (L x W x H)

Model AWS

- Drain assembly with collecting pan, incl. strainer
- Adjustable height 1100 - 1600 mm
- Swivel radius 1800 mm
- Connection G 2"
- Dim. approx. 625 x 300 x 300 mm (L x W x H), approx. 25 kg

part no.

price EUR

54 500

2.742,53

54 501

2.742,53

Request

27 107

830,53

20 595

113,53

50 504

209,13

54 513

352,53

54 509

615,43

54 510

615,43

54 004

1.428,03



Stationary waste oil evacuators

The evacuation of the waste oil takes place through the oil shank using probes or adapters. Easily mounted.

Suction speed: sprox. 3 ltr./min, at 80 °C oil temperature

Model AOS 1031

- Pneum. pump type OP 90 110 D 35
- 2 flexible connections oil 1 m NPS 20
- 5 m vacuum hose NPS 16
- Quiver incl. probe kit, type SO-kit (see below)
- Dust trap and vacuum display

Model AOS 1030

- Pneum. pump type OP 90 110 D 35
- 2 flexible connections oil 1 m NPS 20
- **Hose reel with 5 m vacuum hose** NPS 16
- Quiver incl. probe kit, type SO-kit (see below)
- Dust trap and vacuum display

Model AOS 1021

- Pneum double diaphragm pump type OP 50 K III/1
- 2 flexible connections oil 1 m NPS 20
- 5 m vacuum hose NPS 16
- Quiver incl. probe kit, type SO-kit (see below)
- **Control device incl. switch off- and lag-automatic, start button and luminous signal**
- Incl. mounting bracket type M/OP 50 K

Model AOS 1020

- Pneum double diaphragm pump type OP 50 K III/1
- 2 flexible connections oil 1 m NPS 20
- **Hose reel with 5 m vacuum hose** NPS 16
- Quiver incl. probe kit, type SO-kit (see below)
- **Control device incl. switch off- and lag-automatic, start button and luminous signal**
- Incl. mounting bracket type M/OP 50 K

Model AOS 1011

- Electric suction pump 230 V – 50 Hz, 0,55 kW
- 2 flexible connections oil 1 m NPS 20
- 5 m vacuum hose NPS 16
- Quiver incl. probe kit, type SO-kit (see below)
- **Control device incl. switch off- and lag-automatic, start button and luminous signal**
- Incl. mounting bracket type with vibration damper M/OP

Model AOS 1010

- Electric suction pump 230 V – 50 Hz, 0,55 kW
- 2 flexible connections oil 1 m NPS 20
- **Hose reel with 5 m vacuum hose** NPS 16
- Quiver incl. probe kit, type SO-kit (see below)
- **Control device incl. switch off- and lag-automatic, start button and luminous signal**
- Incl. mounting bracket type with vibration damper M/OP

Accessories

Suction probe set type SO-set

- One adaptor each type AOA DC, BMW, VW
- 3 flexible probes, 700 mm Ø 5, 6 and 8 mm
- 1 flexible probe, 1000 mm, Ø 7 mm
- 1 rigid probe, 700 mm, Ø 6 mm

part no.	price EUR
51 109	1.069,53
51 108	1.607,28
51 107	2.443,78
51 101	2.981,53
51 106	2.443,78
51 100	2.981,53
51 500	201,96



Mod. AÖZ 1000



Inkl. D/M 06



Mod. AÖZ 1200

For waste oil storage tanks and safety devices, see page 88 - 94.



Type ÖVF/1



Type FSE 1-AÖZ

Waste Oil Center

Central waste oil and decanting station for the storage of oil contaminated parts such as filter, hoses, canister, jerry cans and for draining collection pans and barrels. According the legal requirements for a nominated stockyard.

Modell AÖZ 1000

- Central Waste oil collection station consisting of
 - Ergonomically designed carrying unit including collection pan with grid, volume 210 ltr. and splashguard cover for clean work
 - Double diaphragm pump OP 50 K III/1 NPS 29 female incl.
 - Pressure reducer and manometer
 - 2 flexible connections oil 1 m NPS 20
 - Hose holder with 5 m suction hose NPS 20
 - Quiver incl. probe kit type SO-kit and suction pipe 1000 m NPS 12
 - Dim. approx. 1360x800x1775 mm (LxWxH)

Model AÖZ 1200

- Central waste oil collection station consisting of ergonomical designed carrying unit including
 - Collection pan with grid, volume 210 ltr. with splash guard for tidy wokring
 - double diaphragm pump OP 50 KIII/1 NPS 20 male, with pressure reducer and manometer
 - **Control unit with automatic switch-off and over-run, starting button and signal lamp**
 - 2 flexible oil connections 1 m , NPS 20
 - **Automatic hose reel** with 8 m vacuum hose NPS 16
 - Suction probe holder with suction probe set, type SO-Set and suction pipe 1000m m, NPS 12
 - Dim. approx. 1360 x 800 x 1775 mm (LxWxH)

Factory assembled - ready for connection for model AÖZ
Additional freight charges for model AÖZ

Accessories

Oil strainer Type ÖSF 50

(w. illustr.)

- Mesh size 0.5 mm, max. 20 bar
- Connection 1" AG/AG
- Incl. wall mounting plate

Oil filter with holder and mounting plate Type ÖVF/1

- Oil filter for the maintenance of hydraulic and lubricating oil circuits
- Filter (1x) with screw-on cartridges for the intake and supply side of lubrication systems, incl. 1" bracket and mounting plates
- Suitable for biodiesel, diesel, petrol and oils
- Filter capacity 10 µm
- Flow rate: 60 l/min, operating pressure 12 bar

Fine sieve insert Type FSE 1-AÖZ

- Fine sieve for mod. AÖZ

part no.

price EUR

53 031

2.503,53

53 030

4.535,03

Request
Request

51 531

213,00

51 522

234,79

53 509

256,93



Accessories for motor oil

Suction probe set type SO-set

- One adaptor each type AOA DC, BMW, VW
- 3 flexible probes, 700 mm Ø 5, 6 and 8 mm
- 1 flexible probe, 1000 mm, Ø 7 mm
- 1 rigid probe, 700 mm, Ø 6 mm

Holder for Quiver Type SO-K

- Holder for SO-kit, steel sheet zinc coated with drip tray
- Suction probe kit (SO-kit) not included!

Suction probe type AOS-B6

- Waste oil, Ø 6 mm, length 650 mm

Suction probe type AOS-B8

- Waste oil, Ø 8 mm, length 650 mm

Suction probe type AOS-B6L

- Waste oil, Ø 6 mm, length 1200 mm

Suction probe type AOS-B5

- Smart, waste oil, Ø 5,4 mm, length 900 mm

Suction probe type AOS-S8

- Waste oil, Ø 8 mm, length 659 mm, rigid

Suction probe type AOS-B4

- Audi, waste oil, Ø 5 mm, length 900 mm

Suction probe type AOS-B8MB

- For Mercedes-Benz diesel motors
- Waste oil, Ø 8,2 mm, length 1000 mm, flexible

Suction adapter VW waste oil type AOA-VW

Suction adapter type AOA-VW-Polo

Suction adapter DC waste oil type AOA-DC

Suction adapter BMW waste oil type AOA-BMW

Suction adapter type AGA 3/4"

Accessories for gear oil

oil change adapter type G-DSG O2E

oil change adaptor for 6 gear drive - DSG O2E of VW, Audi and SEAT

- For emptying and filling
- To match with quick change connection

Accessories to siphon off waste oil

Control system for waste oil disposal type ES

- For electr. or pneum. suction pump
- Level coupling, to assemble inside the drain channel type PAR or waste oil collecting container type AZB

Control system for waste oil disposal type ES-S

- Identical with model ES, but with
- Level control and integr. alarm system

Waste oil transfer type ZSG-E

- Autom. transfer control of the filling pipe to two other tanks via 2/3 solenoid valve

Waste oil transfer type ZSG-M

- Manual transfer control of the filling pipe to two other tanks via 2/3 solenoid valve, incl. limit switch

2/3-solenoid valve, electr. type KGH 3/32 E

Overflow control system type ÜFS 1 (without illust.)

part no.	price EUR
51 500	201,96
51 530	119,38
55 501	41,71
55 502	41,71
55 503	47,68
55 521	47,68
55 520	47,68
55 523	47,68
55 526	47,68
55 504	44,10
55 522	47,68
55 505	44,10
55 506	44,10
51 517	41,71
23 507	154,75
54 502	711,03
54 503	950,03
54 506	2.623,03
54 508	579,58
54 507	488,76
54 504	531,78



Mod. BAW 120



Mod. BAW 100/1-S



Type BAS-SO

Mobile fuel suction units

For suction of fuels from machines and vehicles of the GF A I VbF till A III VbF, like petrol, diesel and E85.

GS tested machines for secure emptying and refilling of vehicle tanks. Powder-coated chassis. Flexible suction hose with ball bearing. Control and feed pump are air driven and explosion proofed. An integrated pressure regulator ensures the correct operating pressure. Simple change between suction and emptying.

Model BAW 120

- 120 ltr. swap container
- Electrical, conductive rolls, grounding cable
- Conductive delivery hose NPS 08, 2,5 m
- Gas pending system, optical level indicator
- Manual limit switch
- Compressed air maintenance unit with manometer and automatic capacitor
- Power approx. 7,5 ltr./min., depending to viscosity
- Automatic limit switch at 100 l
- Dim. approx. 483 x 680 x 1096 mm (L x W x H)
- Weight approx. 40 kg
- ATEX-labeling EX2GclIAT3

Model BAW 100/1-S

- 100 ltr. swap container
- Conductive rollers, grounding cable
- Conductive dispebsing hose DN 08, 2,5 m
- Gas feedback system, optical level control
- Manuel final cut off
- Air service unit with pressure gauge and automatic condenser
- Performance aprox. 15 ltr./min, depending on degree of vicocity
- Automatical cut off at 100 ltr.
- **Mechanical rise and lower system**
- Dim. approx. 720 x 580 x 1100 mm (L x W x H)
- Weight approx. 110 kg

Additional freight charges for models BAW

Accessories

Type WB 120 (without illustr.)

- Swap container for various for different types of fuel, for Model BAW 120, volume 120 Ltr.
- With visual level indicator
- Suitable for temporary storage

Type BAS-SO

- Probe set for the suction of fuel, diesel and E85 for fuel pipe

Type WB 100/1 (without illustr.)

- Swap container for various for different types of fuel, for Model BAW 100/1-S
- With visual level indicator
- Suitable for temporary storage

Type BAS-ZP (without illustr.)

- Automatic nozzle with safety coupling for the dispensing of fuel with model BAW 100/1-S

part no.	price EUR
52 014	2.617,05
52 013	5.485,05
	Request
52 504	830,53
52 501	256,93
52 500	2.019,55
52 502	328,63

The pump housing of the diaphragm pump is made of polypropylene as standard, which means that various acids, alkalis and slurries can be pumped with virtually no problems. Other materials such as PVDF, nylon and acetal are available on request. The other components that come into contact with the medium, such as the diaphragm, valve balls and O-rings, are made of BUNA-N. The fixing clamps are made of stainless steel.



Mod. OP 50 K III/2

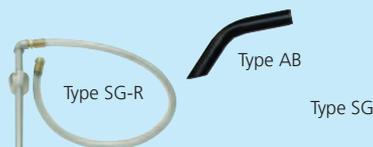
Mod. OP 90 K III



Type M/OP



Type LVS



Type SG-R

Type AB

Type SG



Type KGH

Field of application

- **Ceramic industry:** to convey ceramic suspensions
- **Colour industry:** Latex and colour lotions
- **Photographic industry:** Photo chemicals
- **Breweries:** Hops and yeast mash
- **Chemical industry:** Organic solvents, petroleum, oil deposits and tank cleaning
- **Oil industry:** Mediums of the GF AIII of VbF and the GF A I of VbF

Shipment:

- **Dbl. diaphragm pump** run by compressed air
- **Pressure reducer and ball valve**

Model OP 20 K III

- Discharge capacity, max. 20 ltr./min, depending on degree of viscosity for mediums of hazard group GF A III VbF
- Max. pressure (air) 6,5 bar, max. particle size 1,5 mm
- Suction height when filled 6 mWs, dry 3 mWs
- Suction/pressure con. G 3/4" ex.th., air con. G 1/4" int.th.

Model OP 20 K I

(ATEX)

- Identical with mod. OP 20 K III, but with Explosion protection, mediums of hazard group GF A I VbF

Model OP 50 K III/2

- Discharge capacity, max. 50 ltr./min, depending on degree of viscosity for mediums of hazard group GF A III VbF
- Max. pressure (air) 6,5 bar, max. particle size 2,5mm
- Suction height when filled 6 mWs, dry 3 mWs
- Suction/pressure con. G 3/4" ex.th., air con. G 1/4" int.th.

Model OP 50 K I

(ATEX)

- Identical with mod. OP 50 K III/2, but with Explosion protection, mediums of hazard group GF A I VbF

Model OP 90 K III/1

- Identical with mod. OP 50 K III/1, but with Discharge capacity, max. 90 ltr./min, depending on degree of viscosity for mediums of hazard group GF A III VbF
- Max. pressure (air) 6,5 bar, max. particle size 2,5 mm
- Suction/pressure con. G 1" ex.th., air con. G 1/4" int.th.

Model OP 120 K III

- Identical with mod. OP 50 K III/1, but with Discharge capacity, max. 120 ltr./min, depending on degree of viscosity for mediums of hazard group GF A III VbF
- Max. pressure (air) 6,5 bar, max. particle size 3,2 mm
- Suction/pressure con. G 1" ex.th., air con. G 1/4" int.th.

Accessories:

Wall mounting plate type M/OP 20-50 K

20 657 82,46

Wall mounting plate type M/OP 120 K

20 658 94,41

Mounting plate for tank T/S a. T/R type M/K

20 676 137,43

Ball valve G 3/8" int. th. type KGH 10

20 505 10,64

Compressed air connecting hose type LVS 01.10

20 503 17,33

- 1 m long, DN 10, armoured on both sides, G 3/8" int.th.

Ball valve G 3/4" int.th. type KGH 20

20 561 15,42

Ball valve G 1" int.th. type KGH 25

20 562 22,59

Angled outlet G 3/4" ex.th. type AB 20

21 215 23,78

Angled outlet G 1" ex.th. type AB 25

21 216 29,76

Suction pipe type SG-R

20 558 233,03

- Suction pipe NPS 20, 860 m long
- Barrel thread, 2 m suction hose NPS 20

Suction hose type SG 20-2.5

20 512 111,73

- 2,5 m long, NPS 20, with bottom valve + filter

Suction hose type SG 25-2,5

20 618 136,83

- 2,5 m long, NPS 25, with bottom valve + filter

Add. suction pipes see page 158 and on request

part no. price EUR

55 009 715,81

55 008 835,31

55 004 954,81

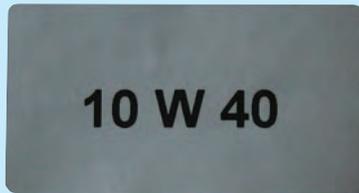
55 005 1.074,31

55 006 1.193,81

55 007 1.910,81



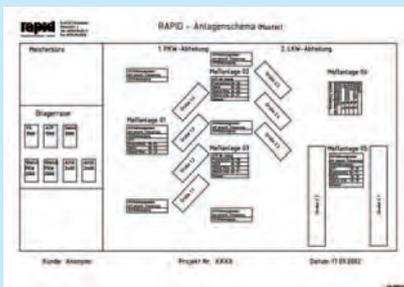
Type KS 11



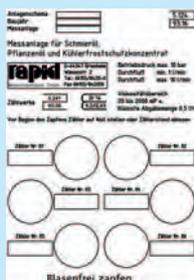
Type KS 4



Type KS 12



Type KS 21



Type KS 25

Specification plates

These plates are to mark all important places or points, e.g. oil tanks, piping systems, etc.

Adhesive foil 65 x 35 mm

■ Silver with black writing, self-adhesive

- Engine oil type KS 1
- SAE 10 type KS 2
- SAE 30 type KS 3
- 10 W 40 type KS 4
- SS 3 15 W 40 type KS 5
- Gear oil type KS 6
- SAE 80 type KS 7
- SAE 90 type KS 8
- ATF A type KS 9
- ATF B type KS 10
- Waste oil A III type KS 11
- Anti freeze type KS 12
- Water type KS 13
- Air type KS 14
- Hydraulic oil type KS 15
- Grease type KS 16
- Synthetic oil, 5 W 50 type KS 17
- Oil pumps type KS 18

Adhesive foil 200 x 150 mm

■ White with black writing, self-adhesive

Manual type KS 20

■ Oil conveying plant

Manual type KS 24

■ Waste oil tank

Filling manual type KS 22

■ Oil tank

Over flow prevention type KS 23

Adhesive foil 40 x 290 mm

■ Red with white writing, self-adhesive

Waste oil only A III type KS 30

VAwS reminder type S 50

■ DIN A4, white with black writing, laminated

Measuring unit plan type KS 21

- Required diagram of stationary, calibratable measuring units with more than one discharge place. Drawn confirming to clients design.
- DIN A4, white with black writing, laminated

Measuring unit plate type KS 25

- Required measuring unit plate for up to six calibratable discharge places.
- DIN A5, self-adhesive aluminium foil with black print

Other plates are available on request.

part no.	price EUR
20 571	7,05
20 572	7,05
20 573	7,05
20 574	7,05
20 575	7,05
20 576	7,05
20 577	7,05
20 578	7,05
20 579	7,05
20 580	7,05
20 581	7,05
20 582	7,05
20 583	7,05
20 584	7,05
20 585	7,05
20 586	7,05
20 587	7,05
20 588	7,05
20 670	11,83
20 677	11,83
20 672	11,83
20 673	11,83
20 643	11,83
20 675	7,05
20 671	11,83
20 701	11,83



Hand lever grease guns E 500

Model E 500 (PU 20)

- For 400 g cartouches or 500 g grease (slack)
- Short hub system, ergonomic handle
- Working pressure 400 bar, performance volume per pass 1,5 cm³
- Continuously adjustable piston rod
- Filling and air-relief valve
- Connection thread M 10 x 1, DIN 1283

Model E 500/H (PU 20)

- Identical with model E 500, but with
- Galvanized steel pipe
- Incl. hydraulic-nozzle

Model E 500/S (PU 20)

- Identical with model E 500, but with
- Safty reinforced rubber hose

Single hand press TG 500

Model TG 500 (PU 20)

- Filling by 400 g grease cartouche
- Filling device or slack grease
- Discharge pressure max. 260 bar, performance volume per pass 0,8 cm³
- 2 x connection thread M 10 x 1, DIN 1283
- Airing valve

Model TG 500/H (PU 20)

- Identical with model TG 500, but with
- Galvanized steel pipe
- Incl. hydraulic-nozzle

Model TG 500/S (PU 20)

- Identical with model TG 500, but with
- Safty reinforced rubber hose

Comp. air single hand press DF 500

Ratio 1:60, air inlet max 6,5 bar, grease NLGI-Class 2.

Model DF 500

- Filling by 400 g grease cartouche
- Filling device or slack grease
- Connection thread M 10 x 1, DIN 1283
- With HD-hose, nozzle jet and hyd.-coupling
- Single discharge with approx. 400 gr. per stroke

Model DF 500/D

- Identical with model DF 500, but with
- Constant discharge while pulling the lever

Two-hand press ZF 500

Model ZF 500

- Filling by 500 g screwable cartouche
- Connection thread M 10 x 1, DIN 1283
- Safty reinforced rubber hose
- Incl. hydraulic-nozzle
- Working pressure 400 bar, performance volume per pass 2,1 cm³

Battery Powered Grease Guns AF 500

Model AF 500/1

- Cartridge or bulk loading, approx 500 g
- 18,0 V Li-Ion battery, 1.500 mAh
- Charger with overcharge protection
- Display for battery power indication and LED for overcharge protection indication
- Delivery rate approx. 100 ccm/min.
- High pressure safety hose 750 mm incl. hydraulic nozzle R 1/8"
- Blow mold case with space for second battery

Model AF 500/2

- Identical to model AF 500/1 but with
- 18,0V Li-Ion battery, 4.000 mAh
- Charger with overcharge protection 12-230V (1,5 h charging time)

Accessories

Adaptor for 500 g cartridge type A-AF 500

- Suitable for battery powered grease gun model AF 500/1 and AF 500/2

part no.	price EUR
62 001	35,73
62 002	41,71
62 003	47,68
62 007	47,68
62 008	53,66
62 009	59,63
62 100	106,95
62 103	118,90
62 010	65,61
62 020	632,16
62 021	751,66
62 506	70,51



Model FPF - hand operated version

- With grease barrel lid and follower plate, without grease gun

Type FPF 10

- For 10 kg container, internal-Ø 215-230 mm

Type FPF 15

- For 15 kg container, internal-Ø 255-282 mm

Type FPF 18

- For 18 kg container, internal-Ø 265-285 mm

Type FPF 20

- For 20 kg container, internal-Ø 285-305 mm

Type FPF 25

- For 25 kg container, internal-Ø 300-335 mm

Type FPF 50

- For 50 kg container, internal-Ø 355-387 mm

Model FGZ - hand operated version

- Grease barrel lid with fixing screws at the side
- Follower plate
- ZSA-coupling (conforming to ISO 7241B) NPS 06 / R 1/4"

Type FGZ 10

- For 10 kg container, internal-Ø 215-230 mm

Type FGZ 15

- For 15 kg container, internal-Ø 255-282 mm

Type FGZ 18

- For 18 kg container, internal-Ø 265-285 mm

Type FGZ 20

- For 20kg container, internal-Ø 285-305 mm

Type FGZ 25

- For 25 kg container, internal-Ø 300-335 mm

Type FGZ 50

- For 50 kg container, internal-Ø 355-387 mm

Model ZSA / H - hand operated version

- Filling device for central lubrication units, no lubrication device, cart with 2 rollers Ø 155 mm, 2 steering rollers Ø 80 mm
- Follower plate, 2m PVC-hose, grease barrel lid
- ZSA-coupling (conforming ISO 7241B) NPS 06 / R 1/4"

Type ZSA/H 15

- For 15 kg container, internal-Ø 255-282 mm

Type ZSA/H 25

- For 25 kg container, internal-Ø 300-335 mm

Type ZSA/H 50

- For 50 kg container, internal-Ø 355-387 mm

Model ZSA / D - pneum. version

- Filling device for central lubrication units and lubricating devices, cart with 2 rollers Ø 155 mm, 2 steering rollers Ø 80 mm
- Follower plate, grease barrel lid
- 2,5 m delivery hose NPS 06
- ZSA-coupling (conforming ISO 7241B) NPS 06 / R 1/4"

Type ZSA/D 25

- Compressed air pump 1:55
- For 25 kg container, internal-Ø 300-350 mm

Type ZSA/D 50

- Compressed air pump 1:55
- For 25 kg container, internal-Ø 380-410 mm

Accessories

Comb. of filling unit and adapter type KFA

- Use for grease filling units FGZ and ZSA/H for the direct filling of hand lever grease guns, or rather filling of Lube-Shuttle 400 via RAS refill-adapter-kit part no. 62 502

Wheel bearing filling unit type RFA

- For clean and easy filling of wheel bearing units with grease filling unit FGZ and ZSA/H and the comb. filling unit and adapter KFA part no. 65 503

part no.	price EUR
62 300	213,91
62 301	225,86
62 317	225,86
62 302	225,86
62 303	237,81
62 304	273,66
62 305	285,61
62 306	285,61
62 318	297,56
62 307	297,56
62 308	333,41
62 309	357,31
62 310	424,23
62 311	448,13
62 312	472,03
62 313	806,63
62 314	866,38
62 503	77,68
62 504	256,93



Stationary versions

Performance:

- Ratio 1:55, op. press. max. 440 bar (7500 PSI)
- Discharge capacity max. 600 ccm/min, depending on kind of grease

Model 90 L 20/50/1 S

- Grease pump type 90 L 20/50/1
- Pressure reducer firmly adjusted to 8 bar
- Barrel lid for max. 50 kg container
- Dim. approx. 540 x 530 x 840 mm (L x W x H), 12 kg
- Incl. follower plate (FFP 50)

Model 90 L 20/200/1 S (without illustr.)

- Grease pump type 90 L 20/200/1
- Pressure reducer firmly adjusted to 8 bar
- Barrel lid for max. 200 kg container
- Dim. approx. 590 x 590 x 960 mm (L x W x H), 15 kg
- Incl. follower plate (FFP 200)

Accessories

Grease connection hoses

- Armoured on both sides, G 1/4" ex./int. th.
- Type FVS 05.06** 5 m NPS 06, ex./int. th.
- Type FVS 10.06** 10 m NPS 06, ex./int. th.
- Type FVS 15.06** 15 m NPS 06, ex./int. th.
- Type FVS 20.06** 20 m NPS 06, ex./int. th.

3-turning-swivel joint type FDG 06

- G 1/4" int./ex.th., for grease pistol type P 77

Grease pistol G 1/4" type P 77

- For pneumatic grease pumps
- Incl. hydraulic-nozzle KU 100-0
- Ergonomic, insulated handle

ZSA adapter type ZSA/A

- ZSA coupling G 1/4", with HS-nipple

Mobile versions

Performance:

- Ratio 1:55, op. press. max. 440 bar (7500 PSI)
- Discharge capacity max. 600 ccm/min, depending on kind of grease

Model 90 L 20/30/1 M

- Grease pump type 90 L 20/30/1
- Pressure reducer firmly adjusted to 8 bar
- Base frame with 4 rollers, 2 are steering rollers
- For containers of max. 30 kg
- Follower plate Ø 300-350 mm
- 2,5 m delivery hose, triple swivel joint
- Grease pistol with hydraulic nozzle
- Bracket for grease pistol
- Dim. approx. 450 x 450 x 840 mm (L x W x H), 17 kg

Model 90 L 20/50/1 M (without illustr.)

- Identical with model 90 L 20/30/1 M, but
- For containers of max. 50 kg
- Follower plate Ø 380-410 mm
- Dim. approx. 550 x 550 x 940 mm (L x W x H), 19 kg

Model 90 L 20/200/1 M (without illustr.)

- Identical with model 90 L 20/30/1 M, but
- For containers of max. 200 kg
- Follower plate Ø 550-590 mm
- Dim. approx. 700 x 780 x 940 mm (L x W x H), 40 kg

**Factory assembled - ready for connection for model 90 L
Additional freight charges for model 90 L**

part no.	price EUR
61 001	596,31
61 002	835,31
60 506	71,58
60 508	119,38
60 509	155,23
60 510	203,03
60 500	46,61
60 501	70,51
60 537	59,63
61 100	770,78
61 101	830,53
61 106	1.189,03
	99,- Request

NEW



Mod. 90 HL 50/1

Inkl. D/M 06



Mod. 90 L 20/30/1

Inkl. D/M 06

High performance grease pumps

These pneumatic pumps can deliver lubricating grease as well as multipurpose grease without any problem. They are designed to work when built into the piping system as well as directly from the barrel. The pumps have a ratio of 1:50 and are available in two different lengths for **50 kg- and 200 kg-containers**.

Performance:

- Ratio **1:50**, grease pressure max. 600 bar (9000 PSI), **suction pipe 32 mm**
- Discharge capacity max. **1200 ccm/min**, Depending on kind of grease

Connections:

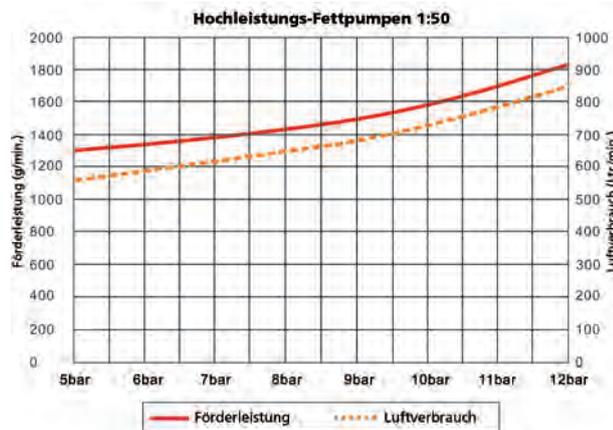
- Air pressure connection: 1/4" int.th.
- Grease connection (discharge side): 1/4" ex.th.

Model 110 HL 50/1

- Incl. pressure reducing valve type D/M 06
- For grease containers **up to 50 kg**, Ø 360-400 mm

Model 110 HL 200/1

- Incl. pressure reducing valve type D/M 06
- For grease containers **up to 200 kg**, Ø 540-580 mm



Grease pumps

These pneumatic pumps can deliver lubricating grease as well as multipurpose grease without any problem. They are designed to work when built into the piping system as well as directly from the barrel. The pumps have a ratio of 1:50 and are available in three different lengths for **30 kg-, 50 kg-, and 200 kg-containers**.

Performance:

- Ratio **1:50**, grease pressure max. 400 bar (6000 PSI), **suction pipe 30 mm**
- Discharge capacity **max. 600 ccm/min**, Depending on kind of grease

Connections:

- Air pressure connection: 1/4" int.th.
- Grease connection (discharge side): 1/4" ex.th.

Model 90 L 20/30/1

- Incl. pressure reducing valve type D/M 06
- For grease containers **up to 30 kg**, Ø 320-330 mm

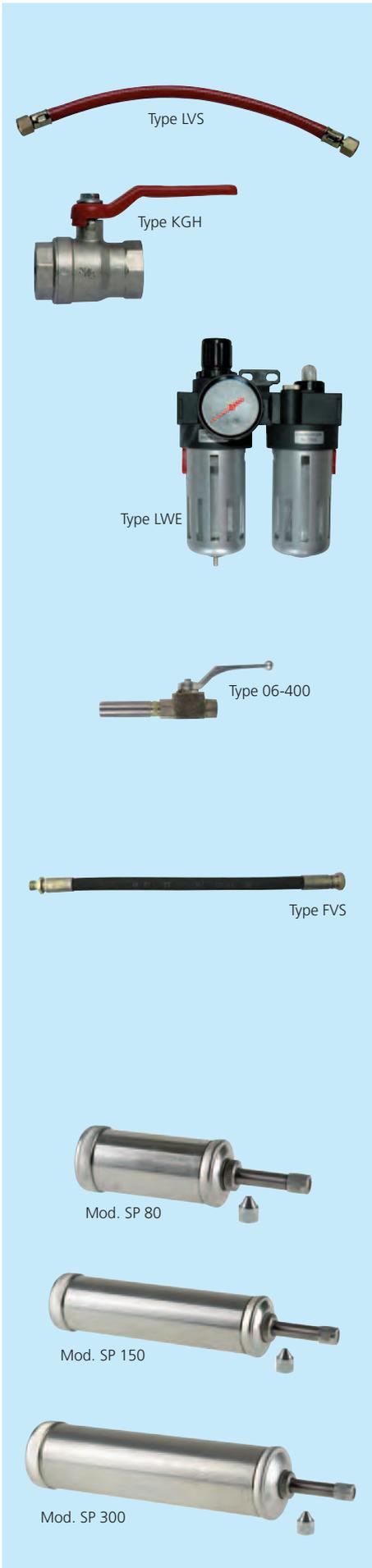
Model 90 L 20/50/1

- Incl. pressure reducing valve type D/M 06
- For grease containers **up to 50 kg**, Ø 380-400 mm

Model 90 L 20/200/1

- Incl. pressure reducing valve type D/M 06
- For grease containers **up to 200 kg**, Ø 560-580 mm

part no.	price EUR
60 010	1.667,03
60 011	1.667,03
60 001	440,96
60 002	464,86
60 003	500,71



Various accessories

Connection hose for comp. air type LVS 01.10

- 1 m long, NPS 10, armoured, G 3/8" int. th.

Connection hose for comp. air type LVS 02.10

- 2 m long, NPS 10, armoured, G 3/8" int. th.

Ball valve G 3/8" type KGH 10

Comp. air maintenance unit type LWE 06

- With fog lubricator, filter and water separator, G 1/4" int. th.

Comp. air maintenance unit type LWE 10

- With fog lubricator, filter and water separator, G 3/8" int. th.

Comp. air maintenance unit type LWE 12

- With fog lubricator, filter and water separator, G 1/2" int. th.

Ball valve type 06-400

- Cutting ring thread NPS 20
- Max. 400 bar, to insert into pipelines

Grease connection hoses

- Armoured on both sides, G 1/4" ex./int. th.

Type FVS 1/2.06 1/2 m NPS 06, ex./int. th.

Type FVS 01.06 1 m NPS 06, ex./int. th.

Type FVS 02.06 2 m NPS 06, ex./int. th.

Type FVS 03.06 3 m NPS 06, ex./int. th.

Type FVS 04.06 4 m NPS 06, ex./int. th.

Type FVS 05.06 5 m NPS 06, ex./int. th.

Type FVS 08.06 8 m NPS 06, ex./int. th.

Type FVS 10.06 10 m NPS 06, ex./int. th.

Type FVS 15.06 15 m NPS 06, ex./int. th.

Type FVS 20.06 20 m NPS 06, ex./int. th.

Push type gun set

High quality push type guns in solid zink coated steel version, with robust mechanism. With hollow and ball nozzle for universal hollow and ball type nipple (DIN 71412, DIN 3402, DIN 3402).

Model SP 80

- Capacity 80 g, Set for H-, K- and D-fitting
- Dim. approx. 43 mm Ø, 148 mm length
- Pressure: 60 - 80 bar

Model SP 150

- Capacity 150 g, Set for H-, K- and D-fitting
- Dim. approx. 42 mm Ø, 210 mm length
- Pressure: 60 - 80 bar

Model SP 300

- Capacity 300 g, Set for H-, K- and D-fitting
- Dim. approx. 53 mm Ø, 255 mm length
- Pressure: 60 - 80 bar

part no.	price EUR
20 503	17,33
20 504	19,72
20 505	10,64
20 537	51,27
20 501	89,63
20 502	113,53
60 525	137,43
60 542	47,68
60 502	47,68
60 503	53,66
60 504	59,63
60 505	65,61
60 506	71,58
60 507	95,48
60 508	119,38
60 509	155,23
60 510	203,03
62 203	19,00
62 204	22,59
62 205	26,17

Please note:
Please state the inner-Ø of grease barrel when ordering!

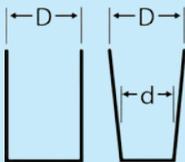


Type FFD

Please note:
Please state the inner-Ø of grease barrel when ordering!



Type FFP



Type HSG



Type ZSA/R



Type ZSA/S



Type RN M10-06



Type ZSA/K



Type ZSA/A



Type KU 100-0

Grease barrel lid for suction pipes of max. 32 mm

■ For grease pumps model 110 HL

Grease barrel lid type FFD 50 HL

■ For 50 kg barrels, inner Ø 420 mm

Grease barrel lid type FFD 200 HL

■ For 200 kg barrels, inner Ø 600 mm

Grease barrel lid for suction pipes of max. 30 mm

■ For grease pumps model 90 L 20

Grease barrel lid type FFD 15

■ For 15 kg barrels, inner Ø 280 mm

Grease barrel lid type FFD 20

■ For 20 kg barrels, inner Ø 310 mm

Grease barrel lid type FFD 30

■ For 30 kg barrels, inner Ø 350 mm

Grease barrel lid type FFD 40

■ For 40 kg barrels, inner Ø 385 mm

Grease barrel lid type FFD 50

■ For 50 kg barrels, inner Ø 420 mm

Grease barrel lid type FFD 200

■ For 200 kg barrels, inner Ø 600 mm

Follower plate for suction pipes of max. 32 mm

■ For grease pumps model 110 HL

Follower plate type FFP 50 HL

■ For 50 kg barrels, inner Ø 360 - 400 mm

Follower plate type FFP 200 HL

■ For 200 kg barrels, inner Ø 540 - 580 mm

Follower plate for suction pipes of max. 30 mm

■ For grease pumps model 90 L 20

Follower plate type FFP 15

■ For 15 kg barrels, inner Ø 240 - 260 mm

Follower plate type FFP 18

■ For 20 kg barrels, inner Ø 265 - 285 mm

Follower plate type FFP 20

■ For 20 kg barrels, inner Ø 280 - 300 mm

Follower plate type FFP 30

■ For 30 kg barrels, inner Ø 300 - 340 mm

Follower plate type FFP 40

■ For 40 kg barrels, inner Ø 335 - 360 mm

Follower plate type FFP 50

■ For 50 kg barrels, inner Ø 360 - 400 mm

Follower plate type FFP 200

■ For 200 kg barrels, inner Ø 540 - 580 mm

Accessories for ZSA

Hydraulic safety connector Type HSG/M

■ M10 x 1

Hydraulic safety connector Type HSG/R

■ R1/8"

■ Connection M 10 x 1 AG, incl. 4 Backen

Reduction nipple M10x1 - R 1/3 female Type RN M 10-06

ZSA plug G 1/4" int.th. type ZSA/S

ZSA coupling G 1/4" int.th. type ZSA/K

ZSA filling pipe type ZSA/R

■ ZSA filling pipe, angled with plug for free outlet,

ZSA adapter type ZSA/A

■ ZSA coupling G 1/4" with HS-nipples to fill ZSA-units with grease pistols

Hydraulic snout type KU 100-0

■ Connection M 10 x 1 ex.th., incl. 4 jaws

part no.	price EUR
60 565	66,80
60 566	191,08
60 532	50,07
60 533	53,66
60 534	56,05
60 511	59,63
60 535	63,22
60 536	179,13
60 560	78,75
60 561	203,03
60 513	35,73
60 548	38,12
60 514	38,12
60 515	47,68
60 516	59,63
60 524	71,58
60 517	179,13
60 552	47,68
60 553	47,68
60 550	5,86
60 539	29,76
60 547	59,63
60 541	47,68
60 537	59,63
60 518	4,66



Series 9

These reels with spring retraction give the possibility of multiple automatic detents per round for optimal use. They can be easily mounted with four screws.

Model 9.12.06/2

Open version

- Automatic hose reel, varnished and partly galvanized
- Variable outlet window with PVC rollers
- Galvanized sheet steel base
- **Incl. 12 m rubber hose** NPS 06 and buffer
- Axial-swivel joint, G 1/4" int./ex. th.
- Pressure max. 400 bar (6000 PSI)
- Dim. approx. 460 x 200 x 460 mm (LxWxH), 15 kg

Model 9.20.06/2

- Identical with model 9.12.06/1, but with
- **Incl. 20 m rubber hose** NPS 06
- Axial-swivel joint, G 1/4" int./ex. th.
- Dim. approx. 490 x 200 x 490 mm (LxWxH), 19 kg

Model 9.12.06-GS/2

Closed version

- Automatic hose reel made out of sheet steel
- Case is made out of varnished sheet steel
- Outlet window with PVC rollers
- Axial-swivel joint, G 1/4" int./ex. th.
- Galvanized sheet steel base
- **Incl. 12 m rubber hose** NPS 06 and buffer
- Pressure max. 400 bar
- Dim. approx. 590 x 200 x 500 mm (LxWxH), 22 kg

Model 9.20.06-GS/2

- Identical with model 9.12.06-GS/2, but with
- **Incl. 20 m rubber hose** NPS 06
- Axial-swivel joint, G 1/4" int./ex. th.
- Dim. approx. 590 x 200 x 500 mm (LxWxH), 26 kg

Accessories:

Type Rapid-SCS

- Surcharge for Rapid-SCS Series 9

Type Rapid-SCS

- Surcharge for Rapid-SCS Series 9-GS

Module cover for hose reels

Module cover is made out of stainless steel. Is designed as one unit and it is suitable for overhead or wall assembly as well as stand columns.

Type MSV 9 GS

- 1 x for two reels Series 9 GS

Type MSV 9 GS-L

- 1 x per left side ending of the unit

Wall bracket for hose reels

Type WP 9

- Swivelling mounting unit 120° for Series 9
- Lockable swivel angle, galvanized

Type WP 9-GS

- Swivelling mounting unit 120° for Series 9-GS
- Lockable swivel angle, galvanized

Mounting bracket for hose reels

Type MP 9/W

- Angled mounting bracket for Series 9

Type MP 9-GS/W

- Angled mounting bracket for Series 9-GS

Type MP 9/3

- For mounting of three reels of Series 9

Type MP 9/3-GS

- For mounting of three reels of Series 9-GS

part no.

price EUR

09 015

476,81

09 016

644,11

09 051

584,36

09 052

739,71

09 599

166,11

09 597

166,11

09 547

106,36

09 548

130,26

09 500

77,68

09 514

89,63

09 545

82,46

09 546

82,46

09 505

225,86

09 541

333,41



Various accessories

Connection hose for comp. air type LVS 01.10

- 1 m long, NPS 10, armoured, G 3/8" int. th.

Connection hose for comp. air type LVS 02.10

- 2 m long, NPS 10, armoured, G 3/8" int. th.

Ball valve G 3/8" type KGH 10

Comp. air maintenance unit type LWE 06

- With fog lubricator, filter and water separator, G 1/4" int. th.

Comp. air maintenance unit type LWE 10

- With fog lubricator, filter and water separator, G 3/8" int. th.

Ball valve type 06-400

- Cutting ring thread NPS 20
- Max. 400 bar, to insert into pipelines

Grease pistol G 1/4" type G 77

- Incl. digital meter in g and kg
- For pneumatic grease pumps
- Incl. hydraulic-nozzle KU 100-0
- Max. 500 bar

Grease pistol G 1/4" type P 77

- For pneumatic grease pumps
- Incl. hydraulic-nozzle KU 100-0
- Ergonomic, insulated handle

3-turning-swivel joint type FDG 06

G 1/4" int./ex.th.

- For grease pistol type G 77, Typ P 77

ZSA adapter type ZSA/A

- ZSA coupling G 1/4" with HS-nipple for filling of ZSA-units with grease pistols

Hydraulic-nozzle type KU 100-0

- M 10 x 1 ex. th., incl. 4 jaws

Tapering nozzle type KU 122

- Incl. extension pipe and sealing nut
- M 10 x 1 ex. th.

Hollow nozzle type KU 120

- Incl. extension pipe and sealing nut
- M 10 x 1 ex. th.

Sliding coupling type KU 112

- For lubricating nipple M 1 + T, suitable for head with Ø 16 mm, M 10 x 1 ex.th.
- Incl. extension pipe and seal nut

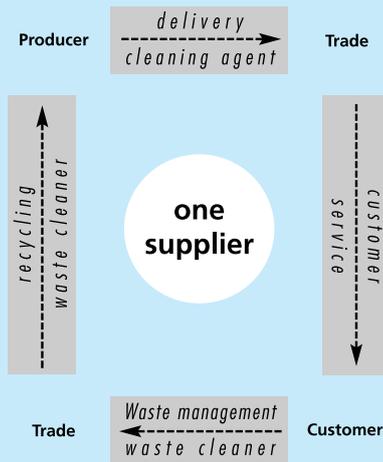
Hydraulic-nozzle type KU 2022-2

- Suitable for lubricating of devices, which are hardly accessible, connection M 10 x 1 ex.th.
- Incl. HD-hose, length approx. 300 mm

Hydraulic-nozzle type KU 4024

- Pipe 150mm, bended, connection M 10 x 1 male

part no.	price EUR
20 503	17,33
20 504	19,72
20 505	10,64
20 537	51,27
20 501	89,63
60 525	137,43
60 551	512,66
60 501	70,51
60 500	46,61
60 537	59,63
60 518	4,66
60 519	9,44
60 520	9,44
60 521	13,03
60 522	19,00
60 549	11,83



„One supplies all“
This guaranties supply of **premium rafinate** as well as the disposal and waste management of the used agent, no matter wether in standing or lying barrels up to 200 l. **The waste product will be taken in exchange** (if the official conditions regarding the mixing with other liquids have been kept).



The successful concept

When deciding for the **Rapid-System** you solve your problem of how to dispose used agents. You decide when the cleaning agent needs to be renewed. We take the waste product in exchange for new cleaning agent (only for customers resident in Germany).

The principle

The cleaning agent is pumped by a self-priming barrel pump through the special brush directly onto the object to be cleaned. It returns to the barrel via a hole in the tub and a hose. The loosened dirt sinks to the bottom of the barrel and the pump draws the fresh cleaning agent from the top.

Rapid cleaning agent

Our cleaning agent is specially designed for industrial and commercial purposes and has proofed to be an excellent mean to remove oil and grease from engines, machine parts and casings. The cleaning agent consists of an almost odourless, slowly evaporating solvent, which also serves as a corrosion-preventative and does not contain any emulsifying or interlacing agents. Moreover, please note that no halocarbons are used in our cleaning agent and that Rapid cleaning agents also conform to labour safty regulations.

Cleaning agent for oil and grease fouling

Cold cleansing agent for cleaning of oil and grease spots on parts.
Gives a greasing protection film on part

Technical data:

Density (20°)= 0,783, hazardous goods class A III, flashpoint = 63° C, evaporation coefficient = 150 (Ether = 1), index of refraction = 1,436.

200 ltr.-barrel type RFX 200

■ Incl. disposal of waste product and freight

200 ltr.-horizontal barrel

with screw top type RFX 200-M

■ Incl. disposal of waste product and freight

50 ltr.-barrel type RFX 50

■ Incl. disposal of waste product, plus freight cost

20 Ltr.-can type RFX 20

■ Without disposal of waste product

Cleaning agent for degreasing of metal, cleaning of metal and surface treatment

Cold cleansing agent for the cleaning of oil and grease spots on parts. Degreasing and quick evaporation, for afterwards surface treatment such as varnishing or zin coating.

Technical data:

Density (20°)= 0,760, hazardous goods class A III, flashpoint = 57° C, evaporation coefficient = 90 (Ether = 1), index of refraction = 1,424.

200 ltr.-barrel type ELX 200

■ Incl. disposal of waste product and freight

200 ltr.-horizontal barrel

with screw top type ELX 200-M

■ Incl. disposal of waste product and freight

50 ltr.-barrel type ELX 50

■ Incl. disposal of waste product, plus freight cost

20 Ltr.-can type ELX 20

■ Without disposal of waste product

part no.	price EUR
70 400	1.069,53
70 406	1.129,28
70 402	436,18
70 436	113,53
70 403	1.368,28
70 407	1.428,03
70 405	495,93
70 436	149,38

Mod. RKR 50/2 E



Mod. RKR 200/3 E



Mod. RKR 200/2 E



The technology

The small parts cleaner are made out of a galvanized perforated steel sheet inserted into a tray with a tapered outlet. Rear and side panels are fire galvanized and with edge protection. **Self-priming barrel pump**, optionally available with an electrical (E) or a compressed air (D) drive. There are **stainless steel versions** for alkaline cleaning agents available (please see page 206).

Model RKR 50/2 E

The cleaning tray is fitted on a standing support. Suitable for 50 - 60 ltr.-barrel.

- Self-priming electr. barrel pump type KRP 400 E
- Leveling feeds for compensation of uneven footprints
- Dimensions 590 x 490 x 1300 mm (L x W x H)
- Limit load 30 kg, weight ca. 35 kg
- Working height approx. 1040 mm

Model RKR 200/3 E

The cleaning tray is directly screwed onto the barrel.

- Self-priming electr. barrel pump type KRP 400 E
- Suitable for barrel volume 200 ltr., as barrel size determines the working height
- Leveling feeds for compensation of uneven footprints
- Dim. approx. 800 x 550 x 400 mm (L x W x H)
- Limit load 30 kg, weight approx. 17 kg

Model RKR 200/2 E

The cleaning tray is fitted on a standing support frame, which has cross struts.

- Self-priming electr. barrel pump type KRP 400 E
- Leveling feeds for compensation of uneven footprints
- Dimensions 770 x 550 x 1420 mm (L x W x H)
- Limit load 30 kg, weight ca. 40 kg
- Working height approx. 1040 mm

part no. price EUR

70 023 627,38

70 001 758,83

70 003 830,53



Mod. RKR 200/2 E-2

Mod. RKR 200/2 E-G

Mod. RKR-HD 170

The technology

The small parts cleaner are made out of a galvanized perforated steel sheet inserted into a tray with a tapered outlet. Rear and side panels are fire galvanized and with edge protection. **Self-priming barrel pump**, optionally available with an electrical (E) or a compressed air (D) drive. There are **stainless steel versions** for alkaline cleaning agents available (please see page 160).

Model RKR 200/2 E-2

The cleaning tray is fitted on a stable support, (heavy version).

- Self-priming electr. barrel pump type KRP 400 E
- Leveling feeds for compensation of uneven footprints
- Dim. approx. 1150 x 650 x 1400 mm (L x W x H)
- Limit load 150 kg, weight ca. 55 kg
- Working height approx. 1040 mm

Model RKR 200/2 E-G

The cleaning tray is fitted on a standing support frame, which has cross struts and cover.

- Self-priming electr. barrel pump type KRP 400 E
- Leveling feeds for compensation of uneven footprints
- Dim. approx. 820 x 550 x 1400 mm (L x B x H)
- Limit load 30 kg, weight approx. 50 kg
- Working height approx. 1040 mm

Model RKR 200/2 E-2G

The cleaning tray is fitted on a stable support and cover.

- Self-priming electr. barrel pump type KRP 400 E
- Leveling feeds for compensation of uneven footprints
- Dim. approx. 1160 x 650 x 1390 mm (L x B x H)
- Limit load 150 kg, weight approx. 65 kg
- Working height approx. 1040 mm

Carrying charges for Mod. RKR 200/2

Request

High pressure small parts cleaner

Small parts cleaner for manual high-pressure cleaning of small and medium-sized workpieces with a water-based cleaning agent. The small parts cleaners of the RKR-HD model series are manufactured in a robust stainless steel version and a compact design. The spray gun is operated by a foot pedal and delivers a water pressure of 30 to 60 bar for efficient cleaning of the workpiece. The washing temperature is infinitely variable up to 45° C.

Model RKR 100/HD

For smaller workpieces

- Stainless steel design, tank capacity 100 ltr.
- Incl. spray gun, washing temperature 0 - 45° C
- Heating capacity 3 kW, pump pressure 30 - 60 bar
- Load capacity up to 50 kg
- Level control, water shortage protection
- Working area approx. 800 x 600 x 500 mm (L x W x H)
- Weight approx. 145 kg

Model RKR 170/HD

For medium workpieces

- Identical with model RKR-HD 100, but with
- Stainless steel design, tank capacity 170 ltr.,
- Heating capacity 4 kW
- Working area approx. 1200 x 700 x 500 mm (L x W x H)
- Weight approx. 180 kg

Carrying charges for Mod. RKR-HD

Request

part no. price EUR

70 005 985,88

70 019 1.057,58

70 021 1.177,08

70 031 8.199,00

70 032 9.999,00



The technology

The small parts cleaner are made out of a galvanized perforated steel sheet inserted into a tray with a tapered outlet. Rear and side panels are fire galvanized and with edge protection. **Self-priming barrel pump**, optionally available with an electrical (E) or a compressed air (D) drive. There are **stainless steel versions** for alkaline cleaning agents available (please see page 160).

Model RKR 50/5 E

The cleaning tray is mounted on a mobile base frame. The working height is approx. 850 mm, which allows ergonomic working.

- To accommodate 50 - 60 ltr. container
- Max. height 580 mm, max. Ø 370 mm of containers
- Detachable safety foot switch
- Self-priming electrical foot pump type KRP 400 EOS
- 4 rollers, 2 of them steering rollers, handle
- German patent no. DE 411 36 38 A 1
- Dim. approx. 580 x 480 x 1150 mm (L x W x H)
- Limit load 30 kg, weight ca. 30 kg
- Working height approx. 90 cm

Model RKR 80/5 E/1

- Identical with model RKR 50/4 but with
- Dim. approx. 800 x 500 x 1150 mm (L x W x H)

Dipping basin

The lid will be opened by pedal. The lid closes automatically after release of pedal. The gas pressure spring provides a slowly closing, which reduces the danger of injuries.

Model TB 40

These dipping basins are made for safe cleaning of large pieces in the right working height or to place smaller parts in the basin.

- **Stainless steel** dipping basin, 48 ltr. volume
- Dim. basin approx. 350 x 630 x 220 mm (L x W x H)
- Emptying by drain tab
- Self-closing lid
- Bottom tray for spillage up to approx. 12 ltr.
- Without pump drive
- Limit load 30 kg
- Dim. approx. 630 x 700 x 880 mm (L x W x H), 28 kg

Carrying charges for Mod. TB 40

Accessories

Type TB-basket, stainless steel

- Basket for parts, Maße ca. 420 x 245 x 140 (L x W x H)

Type TB-sieve, stainless steel

- Sieve base, Dim. approx. 610 x 310 x 40 (L x W x H)

part no.

price EUR

70 028

746,88

70 054

878,33

70 100

711,03

Request

70 504

185,23

70 505

83,65

RAPID-Auffangwannen sind baumustergeprüft nach Ü-Zeichen, TÜV-Hessen, WS-Ü 12/12-01 gemäß Bauregelliste A Teil 1, lfd. Nr.: 15.22



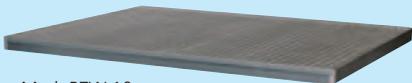
Mod. W 08



Mod. W 07



Mod. W 09



Mod. RZW 10



Type KRP 400 E



Type P 6/1



Type P 6K/1



Type EP



Type RKR-Sieb



Drain pans for small parts cleaner

Model W 08

- Drain pan without grid and feet
- Pan volume 210 ltr.
- Especially for RAPID-small part cleaner
- Dim. approx. 650 x 600 x 550 mm (LxWxH), 42 kg

Model W 07

- Drain pan without grid and feet, galvanized
- Pan volume 64 ltr.
- Especially for RAPID-small part cleaner
- Dim. approx. 500 x 600 x 225 mm (LxWxH), 24 kg

Model W 05 (without illustr.)

- Drain pan without grid and feet
- For horizontal barrel with screw cap
- Pan volume 210 ltr.
- Dim approx. 1000 x 600 x 400 mm (L x W x H), 45 kg

Model W 09

- Drip pan with grid but without feet, galvanized
- Pan volume 270 Ltr.
- Weight approx. 104 kg
- Dim. approx. 1200 x 1600 x 140 mm (LxWxH)

Additional freight charges for model W

Model RZW 10

- Ideal to use as a working and cleaning place for all RKR and TWA models (up to TWA 280)
- Capacity of pan 270 ltr.
- Load max. 2t wheel pressure on Lastwürfel 200 x 200 mm
- Dim. approx. 2840 x 1340 x 82 mm (LxWxH)

Additional freight charges for model RZW

Accessories for small parts cleaner

Elektrical pump type KRP 400 E

- 230 V, 50 Hz, 18 W, suction pipe 400 mm
- Output 3 - 5 ltr./min
- Incl. connecting cable with safty plug, foot switch and delivery hose
- Thermo protection

Elektrical pump type KRP 400/EOS

- Identical with type KRP 400 E, without foot switch

Elektrical pump type KRP 400/ELS

- Identical with type KRP 400 E, without foot switch
- With On-/Off-Switch

Surcharge stainless steel pipe 400 mm type KES 400

Replacement brushes, thin

Type P 6/1 brush, Ø 30 mm, 1 piece

Type P 6/6 brush, Ø 30 mm, 6 pieces

Replacement brushes, thick

Type P 6K/1 Pinsel, Ø 30 mm, 1 piece

Type P 6K/6 Pinsel, Ø 30 mm, 6 pieces

Replacement hose

Type EP rubber hose, NPS 10, 160 cm

Cleaning Sieve Type RKR-Sieve

- Stainless steel sieve to keep small parts during cleaning process, Ø 270 x 110 mm
- Rubberized magnet for a safety hold

part no. price EUR

25 005 357,31

70 201 237,81

25 009 297,56

70 200 500,71

Request

25 053 1.541,55

Request

70 300 472,03

70 301 388,38

70 306 412,28

70 511 179,25

70 500 16,13

70 501 82,46

70 544 17,33

70 545 87,24

70 506 17,81

70 578 35,73



Biological Parts Washer

The biological parts washer cleans your parts without solvent, while respecting operator's health and the environment. Oil and grease is biologically degraded, increase lifetime of cleaning fluid, and afford an efficient and reasonable cleaning.

For cleaning of grease and oil, salts, chips and dust m sugar and burnt-in cracking products. Suitable for the cleaning of stainless steel, steel, aluminum and nonferrous metal.

Not to be used with lacquers, paints, resins, silicones and biocides

These substances must not get into the system, as they are harmful to the microorganisms. For those substances a conventional small part cleaner used with cold cleaner is recommended.

Model RBR 100 E-G

Cleaning pan made of plastic (PE-HD) fitted with wheels and sealed lid.

- Self-priming electric barrel pump
- Working area dim. 790x420x180 mm (LxWxH)
- Soaking Area volume 30 ltr
- Payload 100 kg, weight 46 kg
- Standard temperature 38°C / boost mode. 43°C
- Filter 700 µ (basket stainless steel) and 100 µ (Nylon)
- 2 integrated wheels + 2 integrated wheels with brake
- Height Drain 390 mm
- Working height approx. 900mm
- Dim. 905x650x1080 mm (LxWxH)
- Starting operation only possibly by means of cleaning agent RKB 20 and tabs type RTB 4

Solvent free parts washer

The parts washer cleans your parts without solvent, while respecting operator's health and the environment. Cleaning by brush.

Model RBR 40 E

Mobile cleaning pan made of plastic (PE-HD)

- Self-priming electric barrel pump
- Working area dim. 550x430x150 mm mm (LxWxH)
- Soaking Area volume 5 ltr
- Payload 30 kg, weight 23 kg
- Standard temperature 38°C
- Bag filter (PP) 50 µ
- 4 castors, 2 with brake
- Emptying through spout on the handle
- Working height approx. 900mm
- Dim. 820x530x1050 mm (LxWxH)
- Starting operation only possible only by means of cleaning agent RFB 20

Modell RBR 40 D

Mobile cleaning pan made of plastic (PE-HD)

- Identical to model RBR 40 E, but with
- Pneumatic pump

Additional freight charges for models RBR

Accessories For Biological Small Parts Cleaner

Cleaning concentrate Type RKB 20

- Cleaning concentrate for model RBR, 20 ltr. canister
- Water-based solution with specific surfactants with low alkaline pH value, non-toxic, non-flammable

Cleaning fluid Type RFB 20

- Ready for use for model RBR, 20 ltr. canister
- Water-based solution with specific surfactants with low alkaline pH value, non-toxic, non-flammable

Microorganisms Tabs Type RTB 4

- Box with 4 tabs
- 1 tab ensures constant regeneration of the degreasing solution for 4-6 weeks – only for model RBR 100 E –G

part no.	price EUR
70 070	3.340,03
70 071	2.145,03
70 072	2.384,03
	Request
70 439	656,06
70 438	209,13
70 440	130,26



Mod. TWA 450

Model TWA 350

For medium sized up to large parts

For automatically cleaning with hot water and biodegradable detergent. Made out of stainless steel in solid workmanship and compact design.

- Stainless steel, tank volum 350 ltr.
- Heatable fom 0-70 °C, very high washing performance
- Time switch 0-60 min.
- Electric supply 400 V, 27 kW
- Electrical heating, alternativly with oil or gas burner
- Basket size approx. 1100 x 1100 mm
- Height approx. 800 mm
- Dim. approx. 1665 x 1795 x 2140 mm (L x W x H), weight approx. 600 kg

Model	Heating	part no.	EUR/piece
TWA 350 E	Electric	70 160	on request
TWA 350 G	Gas	70 163	on request
TWA 350 O	Oil	70 166	on request

Model TWA 450

For medium sized up to large parts

For automatically cleaning with hot water and biodegradable detergent. Made out of stainless steel in solid workmanship and compact design.

- Stainless steel, tank volum 450 ltr.
- Heatable fom 0-70 °C, very high washing performance
- Time switch 0-60 min.
- Electric supply 400 V, 37 kW
- Electrical heating, alternativly with oil or gas burner
- Basket size approx. 1300 x 1300 mm
- Height approx. 900 mm
- Dim. approx. 1876 x 2000 x 2240 mm (L x W x H), weight approx. 700 kg

Model	Heating	part no.	EUR/piece
TWA 450 E	Electric	70 161	on request
TWA 450 G	Gas	70 164	on request
TWA 450 O	Oil	70 167	on request

Model TWA 550

For medium sized up to large parts

For automatically cleaning with hot water and biodegradable detergent. Made out of stainless steel in solid workmanship and compact design.

- Stainless steel, tank volum 550 ltr.
- Heatable fom 0-70 °C, very high washing performance
- Time switch 0-60 min.
- Electric supply 400 V, 39 kW
- Electrical heating, alternativly with oil or gas burner
- Basket size approx. 1500 x 1500 mm
- Height approx. 1000 mm
- Dim. approx. 2080 x 2200 x 2340 mm (L x W x H), weight approx. 800 kg

Model	Heating	part no.	EUR/piece
TWA 550 E	Electric	70 162	on request
TWA 550 G	Gas	70 165	on request
TWA 550 O	Oil	70 168	on request

Automatic parts washer

Professionals know about the importance of thorough cleaning of parts before repairing or maintaining machines in order to keep the value of the capital invested.

Rapid automatic parts washer with a solid, compact designed casing of stainless steel are destined to a thorough cleaning of parts in a careful and ecological way by combining:

- A watery solution of a bio-degradable, highly effective detergent
- A working temperature up to 70° C for thermal support
- **Level control**
- Powerful water jets for detaching tight dirt
- Rotating baskets for working from all sides

Model TWA 40

For small parts

For automatically cleaning with hot water and bio-degradable detergent. Made out of stainless steel in solid workmanship and compact design.

- Stainless steel version, tank volume 40 ltr.
- Heatable up to 0-70 °C, very high washing performance
- Rotating basket, Ø 360 mm, carrying up to 70 kg
- Time switch 0-60 min.
- **Level control**
- Electric supply 230 V, 2,55 kW
- Height approx. 340 mm
- Dim. approx. 600 x 680 x 930 mm (L x W x H)
- Weight approx. 50 kg



Mod. TWA 40

Model TWA 70

For small parts

For automatically cleaning with hot water and bio-degradable detergent. Made out of stainless steel in solid workmanship and compact design.

- Stainless steel version, tank volume 70 ltr.
- Heatable up to 0-70 °C, very high washing performance
- Rotating basket, Ø 600 mm, carrying up to 100 kg
- Time switch 0-60 min.
- Integrated oil skimmer
- **Level control**
- Electric supply 230 / 400 V, 3,5 kW
- Height approx. 340 mm
- Dim. approx. 700 x 900 x 1030 mm (L x W x H)
- Weight approx. 60 kg



Mod. TWA 70

Additional freight charges for model TWA 40-70

Request

Accessories

Add. costs for oil skimmer TWA 70-280 type ÖSK 1

- unfit for TWA 40

70 570

1.189,03

Add. costs for oil skimmer TWA 350 - 550 type ÖSK 2

- unfit for TWA 40

70 571

Request



Mod. TWA 90



Mod. TWA 170



Mod. TWA 280

Automatic parts washer

Model TWA 90

For smaller parts

For automatically cleaning with hot water and biodegradable detergent. Made out of stainless steel in solid workmanship and compact design.

- Stainless steel version, tank volume 90 ltr.
- Heatable up to 0-70 °C, very high washing performance
- Rotating basket, Ø 780 mm, carrying up to 150 kg
- Time switch 0-60 min.
- Integrated oil skimmer
- **Level control**
- Electric supply 230 / 400 V, 4,7 kW
- Height approx. 490 mm
- Dim. approx. 900 x 1050 x 1130 mm (L x W x H)
- Weight approx. 80 kg

Additional freight charges for model TWA 90

Model TWA 170

For medium sized parts

For automatically cleaning with hot water and biodegradable detergent. Made out of stainless steel in solid workmanship and compact design.

- Stainless steel version, tank volume 170 ltr.
- Heatable up to 0-70 °C, very high washing performance
- Rotating basket, Ø 910 mm, carrying up to 200 kg
- Time switch 0-60 min.
- Integrated oil skimmer
- **Level control**
- Electric supply 230 / 400 V, 7,5 kW
- Height approx. 490 mm
- Dim. approx. 1100 x 1120 x 1120 mm (L x W x H)
- Weight approx. 140 kg

Additional freight charges for model TWA 170

Model TWA 280

For large parts

For automatically cleaning with hot water and biodegradable detergent. Made out of stainless steel in solid workmanship and compact design.

- Stainless steel version, tank volume 280 ltr.
- Heatable up to 0-70 °C, very high washing performance
- Rotating basket, Ø 1150 mm, carrying up to 350 kg
- Time switch 0-60 min.
- Integrated oil skimmer
- **Level control**
- Electric supply 400 V, 13 kW
- Height approx. 700 mm
- Dim. approx. 1450 x 1500 x 1440 mm (L x W x H)
- Weight approx. 250 kg

Additional freight charges for model TWA 280

Mobile version of models TWA 90 - 280 on request

part no.	price EUR
70 150	7.946,75

Request

70 151	9.500,25
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Request

70 152	16.670,25
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Request



Type HP 50-706-1



Type SA-270



Mod. TWA 170



Mod. TWA 280

Accessories for Automatic Parts Washer

For models TWA 90, TWA 170 and TWA 280

Cleaning concentrate type HP 50-706-1

- For parts washer, 30 kg-canister
- For removing stubborn oil, grease and dirt deposits, for workpieces made of iron, steel, cast iron, aluminium, galvanized steel
- Concentrated mixture 0,5 - 10,0%
Temp. 40 °C - 80 °C
- Additional dangerous goods freight cost

Cleaning concentrate type SA 270

- Bio-degradable detergent for parts washer, 20 ltr.-canister
- Concentrated mixture 1:20 (5%), full cleaning power at 40 °C

Cleaning concentrate type SA 270-1 (ohne Abb.)

- Identical with Type SA 270, but
- 1 Ltr.-bottle

Water level control type WSK-A

- Automatic water level control
- Automatic replenishment via electrical valve up to max. level

Electr. pump for emptying type ELP

- Electr. pump for the emptying of the washing dilution when cleansing properties decrease
- Activation through a separate switch at the keyboard (110 ltr./min.)
- Emptying to be released manually

Vapour evaporator type SWA

- Electr. blower to evaporate vapours
- Connection with pipeline to the outside

Tank insulation type ISO

- Insulation of the washing chamber against temperature drop
- Short term amortisation due to considerable savings of the costs of energy

Type ISO 90 for TWA 90

Type ISO 170 for TWA 170

Type ISO 280 for TWA 280

Stainless steel version type NIR

- Washing basket and jet pipes out of stainless steel
- High corrosion protection at extreme use

Type NIR 90 for TWA 90

Type NIR 170 for TWA 170

Type NIR 280 for TWA 280

Drive motor for basketdrive mechanism type MOT

- Basket drive mechanism via drive motor for high constant load and uneven placement of weight

Type MOT 90 for TWA 90

Type MOT 170 for TWA 170

Counter for operating hours type BSZ

- For the planning of inspection periods

Weekly clock timer type TIMER

- For pre-selection of switch-on of the heating

Transport cart for washing basket type KWG

- Made out of stainless steel for the transportation of the loaded washing basket to and from the washer
- Delivery only for TWA 170 and TWA 280

Baskets for small part cleaning in different sizes on request.

part no.	price EUR
70 414	349,00
70 411	Request 237,81
70 412	26,17
70 514	388,38
70 515	1.422,05
70 516	1.422,05
70 517	1.900,05
70 518	2.019,55
70 519	2.378,05
70 520	1.069,53
70 521	1.308,53
70 522	591,53
70 523	2.025,53
70 524	2.384,03
70 525	388,38
70 526	519,83
70 527	2.623,03



Mod. RU 100/1



Mod. RU 510



Mod. RU 156



Mod. RU 1028



Mod. RU 1050

Supersonic units

These supersonic units are suitable for customer service and motorcycle garages for thorough cleaning of injection nozzles, carburetors and different modules.

Model RU 100/1

Used for thorough cleaning of injection nozzles and small parts

- Stainless steel oscillating tank, 3 ltr. volume
- 1 PZT-large area oscillating systems
- HF-constant peak capacity 320 W/per., 35 kHz
- Timer 1 - 15 min. and continuous working
- Heater 30 - 80 °C, 140 W
- Stainless steel cover, resistant to dripping water
- Dim. approx. 240 x 140 x 100 mm (L x W x H)

Model RU 510

Used for thorough cleaning of injection nozzles and bigger parts

- Stainless steel oscillating tank, 9 ltr. volume
- 2 PZT-large area oscillating systems
- Supersonic max. performance 640 W, freq. 35 kHz
- Timer 1 - 15 min. and continuous working
- Heater 20 - 80 °C, 400 W
- Stainless steel cover, resistant to dripping water
- G 1/4" emptying ball valve and handle
- Dim. approx. 300 x 240 x 150 mm (L x W x H)

Model RU 156

Used for thorough cleaning of carburetors and longer parts

- Stainless steel oscillating tank, 9 ltr. volume
- 2 PZT-large area oscillating systems
- Supersonic max. performance 640 W, freq. 35 kHz
- Timer 1 - 15 min. and continuous working
- Heater 20 - 80 °C, 600 W
- Stainless steel cover, resistant to dripping water
- G 1/4" emptying ball valve and handle
- Dim. approx. 500 x 140 x 150 mm (L x W x H)

Model RU 1028

Used for thorough cleaning of bigger parts

- Stainless steel oscillating tank, 28 ltr. volume
- 8 PZT-large area oscillating systems
- Supersonic max. performance 1200 W, freq. 35 kHz
- Timer 1 - 15 min. and continuous working
- Heater 20 - 80 °C, 1300 W, thermostat
- Stainless steel cover, resistant to dripping water
- IP 32
- Emptying ball valve and handle
- Dim. approx. 500 x 300 x 200 mm (L x W x H)

Model RU 1050

Used for thorough cleaning of big parts

- Stainless steel oscillating tank, 90 ltr. volume
- 16 PZT-large area oscillating systems
- Supersonic max. performance 2400 W, freq. 35 kHz
- Timer 1 - 15 min. and continuous working
- Heater 20 - 80 °C, 1950 W, thermostat
- Stainless steel cover, resistant to dripping water
- IP 32
- Emptying ball valve and handle
- Dim. approx. 600 x 500 x 300 mm (L x W x H)

part no. price EUR

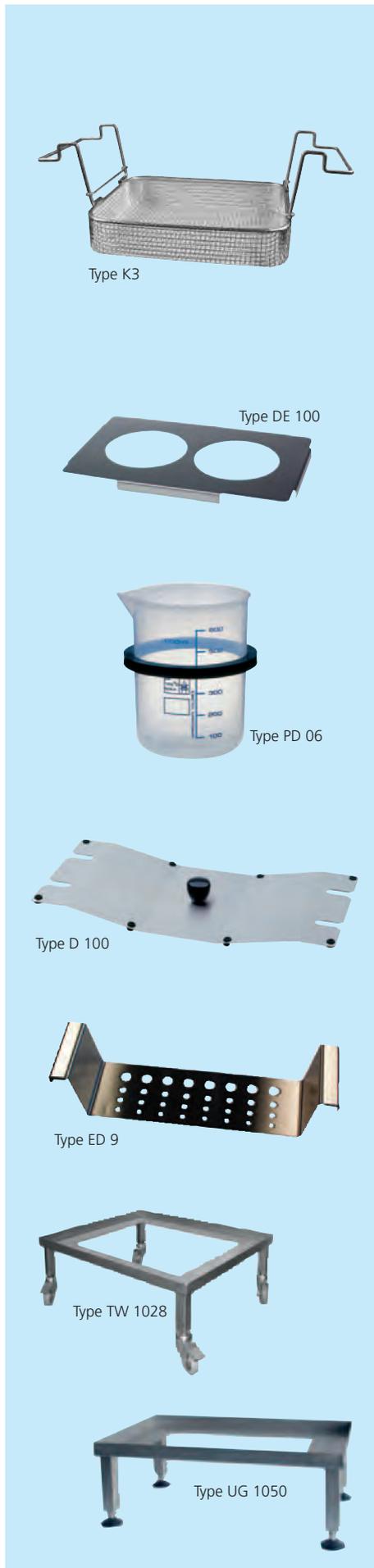
70 320 1.308,53

70 322 1.906,03

70 321 2.145,03

70 323 3.579,03

70 324 6.566,53



Accessories for supersonic units

Hanging basket for model RU 100/1 type K3

- Inside dim. 200 x 110 x 40 mm (L x W x H), up to 10 kg

Hanging basket for model RU 510 type K10

- Inside dim. 250 x 195 x 50 mm (L x W x H), up to 10 kg

Hanging basket for model RU 156 type K6

- Inside dim. 460 x 100 x 50 mm (L x W x H), up to 10 kg

Hanging basket for model RU 1028 type K28

- Inside dim. 455 x 245 x 50 mm (L x W x H), up to 10 kg

Hanging basket for model RU 1050 Typ K50

- Inside dim. 545 x 450 x 50 mm (L x W x H), up to 10 kg

Cover with inserted holes

- Stainless steel cover with inserted holes
- To hook in up to 4 containers (e.g. PD 06)

Type DE 100 for model RU 100/1, for 2 container

Type DE 510 for model RU 510, for 4 container

Type DE 156 for model RU 156, for 4 container

Container type PD 06

- Plastic container with rubber band and lid
- Volume 600 ml, Ø 86 mm, height 125 mm

Lid

- Stainless steel lid
- To avoid fouling
- Condensed water drips back into basin

Type D 100 for model RU 100/1

Type D 510 for model RU 510

Type D 156 for model RU 156

Type D 1028 for model RU 1028

Type D 1050 for model RU 1050

Rack for injection nozzles type ED 9

- For model RU 100/1 and RU 510
- The plate of stainless steel is provided with 32 holes to contain the injection nozzle
- 8 holes, Ø 3,5 mm, 4,5 mm, 5,5 mm und 9,5 mm

Transport trolley

- Stainless steel version
- With lockable transport rollers

Type TW 1028 for model RU 1028

- Working height approx. 635 mm

Type TW 1050 for model RU 1050

- Working height approx. 765 mm

Underframe

- Stainless steel version
- With adjustable feet, without rollers

Type UG 1028 für model RU 1028

- Working height approx. 575 - 625 mm

Type UG 1050 für model RU 1050

- Working height approx. 705 - 755 mm

part no.	price EUR
70 530	125,48
70 532	316,68
70 531	352,53
70 564	388,38
70 572	519,83
70 533	77,68
70 535	89,63
70 534	125,48
70 536	35,85
70 537	89,63
70 539	113,53
70 538	137,43
70 566	161,33
70 573	256,93
70 540	125,48
70 574	926,13
70 575	950,03
70 576	866,38
70 577	890,28



Type PUR 33



Type PUR 33-2



Type PUR 13



Type PUR 13-2



Type PUR 3



Type PUR 3-2



Type SA-



Type SA-270-

Detergent

Universal detergent 5 ltr. type PUR 33

70 421

89,51

Universal detergent 2 ltr. type PUR 33-2

70 431

53,66

Universal detergent to remove general dirt and oil and grease containing residues on metal, glass, ceramic, plastic, rubber, etc. (e.g. car and carburettor parts).

- Highly concentrated
- De-emulsifying
- With corrosion protection
- Gentle to material
- mild alkaline
- Use carefully for zinc and stannous

Special detergent 5 ltr. type PUR 13

70 422

113,41

Special detergent 2 ltr. type PUR 13-2

70 432

65,61

Special detergent for injection nozzles to remove soot, coking, oil and grease residues, paint and pigments on metal, glass, ceramic, plastic and rubber.

- Highly concentrated
- De-emulsifying
- With corrosion protection
- Gentle to material
- alkaline, free of tensides
- Not suitable for aluminium, zinc and stannous
- Additional hazardous goods charge

Request

Special detergent 5 ltr. type PUR 3

70 423

113,41

Special detergent 2 ltr. type PUR 3-2

70 433

65,61

Special detergent for carburettor parts to remove residues, rust films, oil and grease residues, paint, pigments, residues of surface treatment agents of metal, glass, ceramic, rubber and plastic

- Concentrated
- De-emulsifying
- With corrosion protection
- Gentle to material

Detergent for RKR 10 / TWK 10 / MZW

Cleaning concentrate type SA 270

70 411

237,81

- Bio-degradable detergent for parts washer, 20 ltr.-canister
- Concentrated mixture 1:20 (5%), full cleaning power at 40 °C

Cleaning concentrate type SA 270-1

70 412

26,17

- Identical with Type SA 270, but
- 1 Ltr.-bottle



Mod. RKR 10



Mod. TWK 10



Mod. MZW 20



Mod. MZW 50



Mod. MZS 15

Cleaning devices and pans

Cleaning devices for the mobile usage in service workshops. For the careful cleaning of small parts and divers components.

Model RKR 10

Cleaning pan in shock-proof plastic version with lockable cap lid. Handy and transportable device for the cleaning and de-greasing of small parts by brush.

- Hinged lid
- Electric vane pump, 230 V
- Switch and pilot lamp
- Integrated tank for detergent, max. 10 ltr.
- Dim. approx. 460 x 660 x 260 mm (L x W x H), 5 kg

Model TWK 10

Cleaning pan in shock-proof plastic version with lockable cap lid. Handy and transportable device for the cleaning and de-greasing of small parts by brush.

- Hinged lid
- Sieve insert in galvanized steel
- Integrated tank for detergent, max. 10 ltr.
- Dim. approx. 460 x 660 x 260 mm (L x W x H), 7,5 kg

Multi-purpose pans

Multi-purpose pan made of plastic for the collection and storage of liquids.

Model MZW 20

- Multi-purpose pan made of plastic, black
- Especially for the usage underneath cars
- Capacity of pan 20 ltr.
- Spout for easy draining
- Loop for pulling and hanging the pan
- Dim. approx. 685 x 677 x 65 mm (L x W x H)

Model MZW 15 (without illustr.)

- Multi-purpose pan made of plastic, black
- Especially for collection of small casks
- Capacity of pan 15 ltr.
- Dim. approx. 530 x 380 x 80 mm (L x W x H)

Model MZW 50

- Multi-purpose pan made of plastic, black
- Especially for the collection of small casks
- Capacity of pan 50 ltr.
- Spout for easy draining
- Dim. approx. 880 x 600 x 100 mm (L x W x H)

Model MZW 70

- Multi-purpose pan made of plastic, black
- Especially for the collection of small casks
- Capacity of pan 70 ltr.
- Spout for easy draining
- Dim. approx. 950 x 860 x 100 mm (L x W x H)

Model MZS 15 (VE 4)

- Multi-purpose pan made of plastic, black
- Especially for the usage underneath cars
- Handlebars for easy carriage of the full trough
- Capacity of pan 15 ltr.
- Spout for easy draining
- Dim. approx. 440 x 500 x 140 mm (L x W x H)

part no.	price EUR
70 056	261,71
70 104	261,71
25 125	35,73
25 137	35,73
25 126	83,53
25 127	131,33
25 129	35,73

Mod. AMTRON Light



Mod. AMTRON Pro



Electric mobility charge systems

Charge systems for the private sector like Einand apartment houses and the semi-public sector like business houses. The wall electro boxes for the private sector are available in 3 different levels of performance and features. The product is delivered prewired and is ready for connection after installation at the local power supply and the commissioning by a qualified electrician.

Model AMTRON® Light 3,7 C2

- Charging coupler type 2 to 3.7 kW with 5 m line length
- FI-switch 25A, 2p, type A (sensitive to pulsating currents)
- LS-switch 16A, C, 1p/loadbreaking 16A, 2p
- Multi-function push-button with LED status display

Model AMTRON® Light 11 C2

- Charging coupler type 2 to 11 kW with 5 m line length
- FI-switch 40A, 4p, type B (sensitive to universal current)
- LS-switch 16A, C, 3p/loadbreaking 16A, 4p
- Multi-function push-button with LED status display

Model AMTRON® Light 22 C2

- Charging coupler type 2 to 22 kW with 5 m line length
- FI-switch 40A, 4p, type B (sensitive to universal current)
- LS-switch 32A, C, 3p/loadbreaking 32A, 4p
- Multi-function push-button with LED status display

Model AMTRON® Pro 3,7 C2

- Charging coupler type 2 to 3.7 kW with 5 m line length
- FI-switch 25A, 2p, type A (sensitive to pulsating currents)
- LS-switch 16A, C, 1p/loadbreaking 16A, 2p
- Multi-function push-button with LED status display
- Gauged digital energy meter

Model AMTRON® Pro 11 C2

- Charging coupler type 2 to 11 kW with 5 m line length
- FI-switch 40A, 4p, type B (sensitive to universal current)
- LS-switch 16A, C, 3p/loadbreaking 16A, 4p
- Multi-function push-button with LED status display
- Gauged digital energy meter

Model AMTRON® Pro 22 C2

- Charging coupler type 2 to 22 kW with 5 m line length
- FI-switch 40A, 4p, type B (sensitive to universal current)
- LS-switch 32A, C, 3p/loadbreaking 32A, 4p
- Multi-function push-button with LED status display
- Gauged digital energy meter

part no. **price EUR**

77 001 **Request**

77 002 **Request**

77 003 **Request**

77 011 **Request**

77 012 **Request**

77 013 **Request**

Mod. AMTRON Basic



Mod. AMTRON Basic



Type LK 11



Type ES-AMTRON®

Electric mobility charge systems

Charge systems for the private sector like Einand apartment houses and the semi-public sector like business houses. The wall electro boxes for the private sector are available in 3 different levels of performance and features. The product is delivered prewired and is ready for connection after installation at the local power supply and the commissioning by a qualified electrician.

Model AMTRON® Basic 3,7 C2

- Charging coupler type 2 to 3.7 kW (single-phase) with 5m line length
- FI-switch 25 A, 2 p, type A (sensitive to pulsating currents)
- LS-switch 16 A, C, 1 p/loadbreaking 16 A, 2 p
- Multi-function push-button with LED status display
- Calibrated digital energy meter, readable from the outside, incl. system control for FI, LS, contactor and phase failure
- Key switch, MENNEKES CPX-Box

Model AMTRON® Basic 11 C2

- Charging coupler type 2 to 11 kW with 5 m line length
- FI-switch 40 A, 4 p, type B (sensitive to universal current)
- LS-switch 16 A, C, 3 p/loadbreaking 16 A, 4 p
- Multi-function push-button with LED status display
- Calibrated digital energy meter, readable from the outside, incl. system control for FI, LS, contactor and phase failure
- Key switch, MENNEKES CPX-Box

Model AMTRON® Basic 22 C2

- Charging coupler type 2 to 22 kW with 5 m line length
- FI-switch 40 A, 4 p, type B (sensitive to universal current)
- LS-switch 32 A, C, 3 p/loadbreaking 32 A, 4 p
- Multi-function push-button with LED status display
- Calibrated digital energy meter, readable from the outside, incl. system control for FI, LS, contactor and phase failure
- Key switch, MENNEKES CPX-Box

Model AMTRON® Basic 3,7

- Charging plug type 2 up to 3,7 kW (single-phase)
- FI-switch 25 A, 2 p, type A (sensitive to pulsating currents)
- LS-switch 16 A, C, 1 p/loadbreaking 16 A, 2 p
- Multi-function push-button with LED status display
- Calibrated digital energy meter, readable from the outside, incl. system control for FI, LS, contactor and phase failure
- Key switch, MENNEKES CPX-Box

Model AMTRON® Basic 11

- Charging plug type 2 up to 11 kW (three-phase)
- FI-switch 40 A, 4 p, Typ B (sensitive to universal current)
- LS-switch 16 A, C, 3 p/loadbreaking 16 A, 4 p
- Multi-function push-button with LED status display
- Calibrated digital energy meter, readable from the outside, incl. system control for FI, LS, contactor and phase failure
- Key switch, MENNEKES CPX-Box

Accessories

Charging cable 7,5 m, up to 11 kW type LK 11

- Length 7,5 m with charging plug and coupler type 2 20 A
- 400 V 3p+N+PE as well as PP + CP for mode 3 charging Resistor codification 680 Ohm between PE and PP
- Connection wire H07BY-F 5G2,5 + 1 x 0,5 mm² blue
- Plug according to IEX 62196-2

Stainless steel racket for AMTRON dev. type ES-AMTRON®

- Dim. approx: 1330x300x120 mm (LxWxH)

Cover for stainless steel racket type ESH-AMTRON®

- For use with stainless steel racket type ES-AMTRON®

part no.	price EUR
77 021	Request
77 022	Request
77 023	Request
77 024	Request
77 025	Request
77 500	Request
77 501	Request
77 502	Request



Mod. Progress 14

Mod. Progress 20



Mod. Progress 35



Mod. Starter 260



Mod. Rapid 380



Mod. Sprintcar 341

Battery Charger

The devices only have W charging characteristic and must cut off the battery and switch off after charging of battery is finished. Solid and suitable for continuous use. When using the device the charging process has to be supervised.

Model Progress 14

Semi-professional battery chargers, ease of use. For agriculture, construction firms and work shops.

- Power 140 W, **Battery Voltage 6/12 V**
- Maximum charging current 11 A, Charging Positions: 2
- Dim. 200 x 260 x 175 mm (L x W x H), 4 kg

Model Progress 20

Semi-professional battery chargers, ease of use. For agriculture, construction firms and work shops.

- Power 300 W, **Battery Voltage 12/24 V**
- Maximum charging current 16 A, Charging Positions: 2
- Dim. 200 x 260 x 175 mm (L x W x H), 7 kg

Model Progress 35

Professional battery chargers for big charging stations, battery service and industry.

- Power 920 W, **Battery Voltage 6/12/24 V**
- Maximum charging current 38 A, Charging Positions: 12
- Dim. 245 x 250 x 435 mm (L x W x H), 18 kg

Additional freight charges for model Progress 35

Battery charger and starter

Model Starter 260

Portable battery charger and starter. For agriculture, workshops, handcraft and private use.

- Incl. ammeter, thermal overload protection and charging current control selector
- Power 250 W, **Battery Voltage 12/24 V**
- Max. charging current 18 A, Charging Positions: 2
- Maximum boosting current 200A
- Dim. 230 x 215 x 295 mm (L x W x H), 9,6 kg

Model Rapid 380

Portable battery charger and starter. For agriculture, workshops, handcraft and private use.

- Incl. ammeter, thermal overload protection and charging current control selector
- Power 900 W, **Battery Voltage 12/24 V**
- Max. charging current 38 A, Charging Positions: 2
- Maximum boosting current 280A
- Dim. 235 x 220 x 335 mm (L x W x H), 13,6 kg

Model Sprintcar 341

Professional battery charger and starter **on wheels**.

- Incl. ammeter, thermal overload protection and charging current control selector
- Power 1000 W, **Battery Voltage 12/24 V**
- Max. charging current 45 A, Charging Positions: 4
- Maximum boosting current 300A
- Dim. 415 x 250 x 650 mm (L x W x H), 18,5 kg

Additional freight charges for model Sprintcar 341

part no.	price EUR
77 200	118,31
77 201	178,06
77 202	464,86
	Request
77 210	201,96
77 211	321,46
77 212	393,16
	Request



Mod. Autostar 300



Mod. Autostar 500



Mod. Autostar 701



Mod. Autostar 2000

CPS - The patented CPS – Safe Car System allow the charge or starting (boosting) of vehicles in safety mode with the goal to preserve the integrity of both the battery and electronics on board.

Autostar Range:

Starting (Boosting) function with safety mode. Thanks to CPS – Car Protection System, the Autostar range allow the boosting of the vehicles in total safety. An electronic control allow verifying the charge status of the battery on board. The boosting start only under certain conditions. The PCB control the output voltages spikes in order to protect the electronics on board.

Battery Charger and Starter

Autostar battery charger and starter are optimal for the daily work routine in workshops. On wheels or portable. When engine is started the battery charger and starter stops automatically. No remote control necessary.

Modell Autostar 300

Professional, portable battery charger and starter.

For workshops, agriculture and vans.

- Incl. ammeter, thermal overload protection and charging current control selector
- Power 460 W, **Battery Voltage 12**
- Max. charging current 38 A, Charging Positions: 2
- Maximum boosting current 300A
- Dim. 250 x 345 x 280 mm (L x W x H), 14,4 kg

Modell Autostar 500

Professional, portable battery charger and starter.

For workshops, agriculture and vans.

- Incl. ammeter, thermal overload protection and charging current control selector
- Power 1.300 W, **Battery Voltage 12/24 V**
- Max. charging current 55 A, Charging Positions: 2
- Maximum boosting current 280A
- Dim. 235 x 220 x 335 mm (L x W x H), 13,6 kg

Modell Autostar 701

Professional battery charger and starter on wheels.

For workshops, agriculture and truck service.

- Incl. ammeter, thermal overload protection and charging current control selector
- Power 1.800 W, **Battery Voltage 12/24 V**
- Max. charging current 75 A, Charging Positions: 4
- Maximum boosting current 300A
- Dim. 415 x 250 x 650 mm (L x W x H), 18,5 kg

Additional freight charges for model Autostar 701

Request

Modell Autostar 1300 (without illustr.)

Professional battery charger and starter, solid version **with wheels for workshops and agriculture.**

- Incl. ammeter, thermal overload protection and charging current control selector
- Power 2.900 W, **Battery Voltage 12/24 V**
- Max. charging current 120 A, Charging Positions: 12
- Maximum boosting current 1.300A
- Dim. 575 x 330 x 770 mm (L x W x H), 67,4 kg

Modell Autostar 2000

Professional battery charger and starter, solid version **with wheels for workshops and agriculture.**

- Incl. ammeter, thermal overload protection and charging current control selector
- Power 3.500 W, **Battery Voltage 12/24 V**
- Max. charging current 150 A, Charging Positions: 12
- Maximum boosting current 2.000A
- Dim. 575 x 330 x 770 mm (L x W x H), 89,2 kg

Additional freight charges for mod. Autostar 1300/2000

Request

part no.	price EUR
77 220	440,96
77 221	536,56
77 222	835,31
77 223	2.269,31
77 224	3.165,56

Rated Reference Capacity Helvi battery charger

Model	Battery Size						Charge time
	2 Ah	8 Ah	20 Ah	60 Ah	100 Ah	500 Ah	
Progress 14	–	2 h	3,5 h	7 h	10 h	–	40 Minuten
Progress 20	–	1 h	2 h	3,5 h	6 h	–	30 Minuten
Progress 35	–	–	2 h	5 h	7 h	15 h	10 Minuten
Starter 260	–	–	2 h	5 h	7 h	15 h	10 Minuten
Rapid 380	–	–	1 h	5 h	7 h	15 h	10 Minuten
Sprintcar 341	–	–	1 h	5 h	7 h	15 h	10 Minuten
Autostar 300	–	–	1 h	5 h	7 h	15 h	10 Minuten
Autostar 500	–	–	1 h	5 h	7 h	15 h	10 Minuten
Autostar 701	–	–	1 h	5 h	7 h	12 h	10 Minuten
Autostar 1300	–	–	–	4 h	7 h	10 h	5 Minuten
Autostar 2000	–	–	–	4 h	6 h	7 h	5 Minuten
Automatic 30	–	1 h	2 h	5 h	7 h	15 h	10 Minuten
Digicar 540 E/1	–	–	1 h	5 h	7 h	15 h	5 Minuten
Digicar 1100 E/1	–	–	1 h	5 h	7 h	12 h	5 Minuten
Discovery Moto	2 h	8 h	15 h	–	–	–	40 Minuten
Discovery 60 Plus	2 h	6 h	6 h	8 h	12 h	–	20 Minuten
Discovery 120 Plus	2 h	6 h	6 h	7 h	10 h	–	15 Minuten
Discovery 250	2 h	5 h	5 h	7 h	8 h	15 h	10 Minuten
Explorer 25	2 h	4 h	4 h	5 h	5 h	15 h	10 Minuten
Explorer 40	2 h	4 h	4 h	5 h	5 h	10 h	10 Minuten
Explorer Flash 150	–	–	–	3 h	3 h	–	5 Minuten

■ Recommended ■ Limited recommended ■ Not recommended



Mod. Automatic 30

Mod. Digicar 540 E/1

CPS - The patented CPS – Safe Car System allow the charge or starting (boosting) of vehicles in safety mode with the goal to preserve the integrity of both the battery and electronics on board.

Digicar Range:
Digicar range provides safe boost function as well as the possibility of controlling the battery and charging it in an efficient way without cut off the battery of its connections.

Battery charger with electronic starter

New generation of professional battery charger with starter on wheels. Thank of digital control the Digicar range enables the boosting of modern batteries without the risk of damages to the electronic cards fitted on motor vehicles. Equipped with digital ammeter, voltmeter voltage and current selectors, timer, automatic thermal overload protection. **Ideal for AGM, GEL, Ca, and lead batteries.** Automatic charging and maintenance function.

Model Automatic 30

- Suitable for passenger cars and vans
- Power 720 W, **Battery Voltage 12/24 V**
- Maximum charging current 30 A
- Automatic charging and maintenance function
- Warning LEDs indicate the battery condition
- Dim. 235 x 220 x 335 (L x W x H), 10,1 kg

Model Digicar 540 E/1

- Professional, portable battery charger and starter on wheels. For AGM, Gel, Start/Stop or traditional lead batteries
- Power 1320 W, **Battery Voltage 12/24 V**
- Maximum charging current 55 A /27,5 A,
- Charging Positions: infinitely
- Maximum boosting current 350A
- Dim. 415 x 260 x 650 mm (L x W x H), 20,9 kg

Model Digicar 1100 E/1 (without illustr.)

- Professional, portable battery charger and starter on wheels. For AGM, Gel, Start/Stop or traditional lead batteries.
- Power 2.200 W, **Battery Voltage 12/24 V**
- Maximum charging current 100/50 A,
- Charging Positions: infinitely
- Maximum boosting current 580 A
- Dim. 487 x 320 x 745 mm (L x W x H), 33,5 kg

Additional freight charges for models Digicar

part no.	price EUR
77 232	452,91
77 230	775,56
77 231	1.193,81
	Request



Mod. Discovery Moto



Mod. Discovery 60



Mod. Discovery 120



Mod. Discovery 250



Mod. Explorer 25



Mod. Explorer 40



Mod. Explorer Flash 150

Electronic Battery Charger Discovery Range

The new range of electronic battery charger with no output voltage spikes, which can damage the vehicles circuit boards. **Ideal for charging AGM, GEL and lead battery.**

Model Discovery Moto

New range of completely electronic battery charger. No output voltage spikes.

- Power 21 W, **Battery Voltage 12 V**
- Maximum charging current 1,5 A
- 3 Level Charging Process
- Dim. 165 x 65 x 110 mm (L x W x H), 0,3 kg

Model Discovery 60 Plus

New range of completely electronic battery charger. No output voltage spikes.

- Power 65 W, **Battery Voltage 6/12 V**
- Maximum charging current 4,0 A
- 4 Level Charging Process
- Dim. 225 x 80 x 50 mm (L x W x H), 0,65 kg

Model Discovery 120 Plus

New range of completely electronic battery charger. No output voltage spikes.

- Power 135 W, **Battery Voltage 12 V**
- Maximum charging current 8,0 A
- 9 Level Charging Process
- Incl. Desulphatation function and LCD display
- Dim. 235 x 100 x 60 mm (L x W x H), 0,85 kg

Model Discovery 250

New range of completely electronic battery charger. No output voltage spikes.

- Power 720 W, **Battery Voltage 12/24 V**
- Maximum charging current 30 A,
- 9 Level Charging Process
- Incl. desulphation function and lcd display
- Dim. 235 x 220 x 335 (L x W x H), 10,1 kg

Electronic Battery Charger Explorer Range

Latest Generation of professional battery charger with inverter technology. Equipped with digital ammeter and voltmeter, thermal overload protection, protection against short circuits and polarity reversal. Charge current selector and charge timer. Charge function is carried out without output voltage peaks, which could damage the electronic cards fitted on motor vehicles. **Ideal for charging the new generation of batteries.**

Model Explorer 25

New generation of professional battery charges with inverter technology. Ideal for charging of modern batteries.

- Power 350 W, **Battery Voltage 12/24 V**
- Maximum charging current 25/12,5 A,
- Charging Positions: infinitely
- Dim. 315 x 115 x 225 (L x W x H), 3,9 kg

Model Explorer 40

New generation of professional battery charges with inverter technology. Ideal for charging of modern batteries.

- Power 600 W, **Battery Voltage 12/24 V**
- Maximum charging current 40/20 A,
- Charging Positions: infinitely
- Dim. 315 x 115 x 225 (L x W x H), 3,9 kg

Modell Explorer Flash 150

Inverter technology based multi-process battery charger. Capable of charging, diagnostic, showroom, battery changing and regeneration needs.

- **Battery Voltage 12 V**
- Maximum charging current 150 A
- Continuous charging current 120A~130A
- Power 2400 W
- Capacity 10~1200 Ah

part no.	price EUR
77 240	58,56
77 241	82,46
77 242	142,21
77 243	197,18
77 250	405,11
77 251	476,81
77 253	1.313,31



Digital Battery Tester

Modell T1

12V Digital Read-out Battery Tester

- Test and control of passenger car battery
- Check battery charge power, battery overcharging indication
- Incl. USB socket for powering mobile phones or tablets
- Direct 12V cigarette socket plug-in
- Dimensions: 90 x 55 x 30 (L x W x H), 0,2 kg

Modell T5

Professional Battery Analyzer for 12V passenger car batteries

- Ease of use: Touch screen and pictograms only
- Reverse polarity and short circuit protection
- Data transfer to PC
- Testing standard CCA, SAE, EN, IEC, DIN, CA, JIS
- Safe keeping in premium carry-on case
- Dim. Set: 320 x 105 x 285 (L x W x H), 1,3 kg

Modell T10

Professional Battery Analyzer for 12V passenger car batteries

- Ease of use: Touch screen and pictograms only
- Reverse polarity and short circuit protection
- **Built-in printer**, Data transfer to PC
- Testing standard CCA, SAE, EN, EN1, EN2, IEC, DIN, CA/MCA, JIS
- Safe keeping in premium carry-on case
- Dim. Set: 320 x 105 x 285 (L x W x H), 1,6 kg

part no. price EUR

77 270 46,61

77 271 321,46

77 272 548,51

part no.	Model	Input Voltage	Battery Voltage (V)	Charge Position	Booster	Max. charge capacity at 15 h charging time	Float Charge	Timer	CPS (Boost)	CPS (Charge)	Inverter Technology	Battery type			Recommended			
												Lead	AGM-, Gel-, Ca, Start/Stop	Lithium LiFePo ₄	Motorbikes	Cars	Trucks	
77 200	Progress 14	230 V	6/12	2	-	112 Ah												
77 201	Progress 20	230 V	12/24	2	-	165 Ah												
77 202	Progress 35	230 v	6/12/24	12	-	375 Ah												
77 210	Starter 260	230 V	12/24	2	200 A	185 Ah												
77 211	Rapid 380	230 V	12/24	2	280 A	375 Ah												
77 212	Sprintcar 341	230 V	12/24	4	300 A	450 Ah												
77 220	Autostar 300	230 V	12	2	300 A	375 Ah			■									
77 221	Autostar 500	230 V	12/24	6	450 A	540 Ah				■								
77 222	Autostar 701	230 V	12/24	6	580 A	750 Ah		■	■									
77 223	Autostar 1300	230/400 V	12/24	12	1.300 A	1.200 Ah		■	■									
77 224	Autostar 2000	230/400 V	12/24	12	2.000 A	1.800 Ah		■	■									
77 232	Automatic 30	230 V	12/24	∞	-	300 Ah	■			■								
77 230	Digicar 540 E/1	230 V	12/24	∞	380 A	540 Ah	■	■	■	■								
77 231	Digicar 1100 E/1	230 V	12/24	∞	550 A	600 Ah	■	■	■	■								
77 240	Discovery Moto	230 V	12	∞	-	9/20 Ah	■			■	■							
77 241	Discovery 60 Plus	230 V	6/12	∞	-	120 Ah	■			■	■							
77 242	Discovery 120 Plus	230 V	12	∞	-	180 Ah	■			■	■							
77 243	Discovery 250	230 V	12/24	∞	-	250 Ah	■			■	■							
77 250	Explorer 25	230 V	12/24	∞	-	380 Ah	■	■		■	■							
77 251	Explorer 40	230 V	12/24	∞	-	600 Ah	■	■		■	■							
77 253	Explorer Flash 150	230 V	12	∞	-	2.350 Ah	■	■		■	■							

NEW

Mod. Power Up 8.0



Mod. Booster B 22



Mod. Booster B 2X22



Mod. Booster C 1200



Mod. Booster C 3400

Portable Charger

Portable Charger Series Power Up

Multifunction portable charger and booster. Booster (12V for car engine up to 3.5 L). Charging of electrical devices. Equipped with short-circuit, overload, over-discharge, polarity inversion and overvoltage protection.

Model Power Up 8.0

- Full charging time +/- 2 Std.
- Start current 12V/ 200A
- Peak current 12V/ 500A
- Capacity 8.000 mAh
- Dim. approx. 156 x 83 x 29 mm (L x B x H), 0,35 kg

Rechargeable Booster Series Booster B

Mobile, rechargeable booster with tough, shock-resistant housing. For gasoline and diesel cars.

Model Booster B 15 (ohne Abb.)

- Battery Voltage 12 V
- Battery capacity 15 Ah
- Start current 350 A
- **Peak current 1.600 A**
- Weight approx. 6,7 kg

Model Booster B 22

- Battery Voltage 12 V
- Battery capacity 22 Ah
- Start current 850 A
- **Peak current 2.500 A**
- Weight approx. 11,8 kg

Model Booster B 2X22

- Battery Voltage 12 / 24 V
- Battery capacity 2x 22 Ah
- Start current 1.700 / 850 A
- **Peak current 5.000 / 2.500 A**
- Weight approx. 22,4 kg

Rechargeable Booster Series Booster C (no battery)

New rechargeable booster with capacitors. No battery inside. Ultra capacitors are recharged by rest energy of low charated battery. For gasoline and diesel cars.

Modell Booster C 1200 (batterielos)

- Battery Voltage 12 V
- Temperature range -20 to +40° C
- **Peak current 4.300 A**
- Weight approx. 5,5 kg

Modell Booster C 3000 (batterielos) (ohne Abb.)

- Battery Voltage 12 V
- Temperature range -20 to +40° C
- **Peak current 9.000 A**
- Weight approx. 8,5 kg

Modell Booster C 3400 (batterielos)

- Battery Voltage 12 / 24 V
- Temperature range -20 to +40° C
- **Peak current 18.000 / 9.000 A**
- Weight approx. 18,0 kg

part no. price EUR

77 287 154,16

77 280 273,66

77 281 357,31

77 283 895,06

77 284 668,01

77 285 1.110,16

77 286 1.492,56



Mod. ABB-A 610 inkl. ABB-Deckel



Mod. ABB 400

Battery Disposal Box

For indoor and outdoor storage and safe transport of used batteries.

Model ABB-A 610

Battery disposal box, optimal storage and transport

- **Volume 610 ltr.**
- For indoor storage
- PE plastic high density (PEHD)
- Mostly acid-proof
- Stackable, safe transport
- Can be loaded up to 600 kg as individual box,
- Up to 450 kg per box when stacked up (up to 6 boxes)
- For transport of used batteries according to ADR 4.1.4.1. P801A
- Equipped with 3 runners
- Labelled with danger warnings
- Lid not included
- Dim. approx. 1200x1000x760 mm (LxWxH)

Accessories

Type ABB-Deckel (without illustr.)

- Lid for battery disposal box model ABB-610
- Dim. approx. 12015x1015x60 mm (LxWxH)

Model ABB 200 (without illustr.)

Battery disposal box, optimal storage and transport

- **Volume 200 ltr.**
- For outdoor storage
- Stable GRP model enables clean and safe storage of used batteries
- Mostly acid-proof
- Stackable, safe transport
- Approved for the transport of used batteries according to ADR 4.1.4.1. P801A
- 2 ventilation openings and zinc coated steel base frame for safe positioning
- All fittings stainless steel
- Inserted wooden grate forms a plain base surface
- Lockable lid
- Labelled with danger warnings
- Dim. approx. 890x590x810 mm (LxWxH)

Model ABB 400

Identical to battery disposal box model ABB 200 but

- **Volume 400 ltr.**
- For outdoor storage
- Dim. approx. 1200x800x810 mm (LxWxH)

Modell ABB 700 (without illustr.)

Identical to battery disposal box model ABB 200 but

- **Volume 700 ltr.**
- For outdoor storage
- Dim. approx. 1340 x 990 x 1100 mm (LxWxH)

Additional freight charges for models ABB

part no.	price EUR
25 329	495,93
25 508	161,33
25 330	711,03
25 331	1.069,53
25 332	1.428,03
	Request

NEU



Magnet tools

Magnet broom model ZT 10

Designed to collect small metal and steel parts such as screws, nails and small tools (conductive metals) of the floor without problems.

- Permanent magnet incl. demagnetisation
- Broom width approx. 400 mm
- Telescope handle, approx. 750 up to 1050 mm continuously adjustable

Magnet broom model ZT 25

Designed to collect small metal and steel parts such as screws, nails and small tools (conductive metals) of the floor without problems. Robust construction

- Permanent active magnet, incl. Demagnetising
- Broom width approx. 450 mm
- Telescope handle, approx. 640 up to 1020 mm as well as tilt angle continuously adjustable

Magnet tracer model ZT 19

Designed to collect small metal and steel parts such as screws, nails and small tools (conductive metals) of the floor without problems.

- Permanent active magnet
- Telescope handle, approx. 660 up to 1080 mm continuously adjustable

Magnet stick model ZT 17

Designed to efficiently pick up small iron or steel parts or swarf.

- Easy to discard the parts by pulling the central stick
- Permanent active magnet
- Total length approx. 410 mm

Magnetic broom for lift trucks unit mod. ZT 26

Strong and durable magnet for removal of dangerous and annoying metal parts on circulation areas, floors etc.

- Permanent magnet incl. demagnetization
- Simple mounting on the forklift, fork pockets 125 x 40 mm (W x H)
- Picks-up metal parts from up to 140 mm distance, intake capacity up to 80 kg
- Dimensions approx. 910 x 100 x 127 mm (L x W x H) (without fork pockets)

Magnet tray model ZT 7

Magnetic tray to safely deposit magnetisable small parts made out of iron or steel.

- Permanent active magnet, no additional energy necessary
- Dim. approx. 240 x 140 mm

Magnet tray model ZT 8

Magnetic tray to safely deposit magnetisable small parts made out of iron or steel.

- Permanent active magnet, no additional energy necessary
- Dim. approx. 360 x 160 mm

part no.	price EUR
98 001	82,46
98 007	154,16
98 002	23,30
98 003	58,56
98 008	357,31
98 004	23,78
98 005	29,76



Mod. 89 MXA



Mod. 89 XDB



Mod. 89 XHB



Type MXA-AA



Type MXA-MS



Type QST



Type QSL



Type UVA

Tire pressure regulator

This regulators are designed for garages, car rentals agencies, petrol stations, service centers and forwarding agencies. The desired air pressure can be pre-selected and confirmed by the +/- button. The filling starts automatically as soon as the hose is connected to the tire and stops once the desired pressure is reached. A micro controller reads the current tire pressure. An acoustic signal confirms the successful end of the filling.

Model 89 MXA

Wall unit for cars and trucks

- Up to 7 different modes, there under one for garages for checking the pressure of tyre and refilling as well as one for workshops for inflating and checking the pressure of tyre during the tyre fitting.
- Preselection of desired pressure
- Digital display selectable either in bar, psi or kPA
- For compressed air as well as for nitrogen
- 2 m filling hose with chuck
- Dim. approx. 155 x 155 x 90 mm (LxWxH)
- 1,8 kg
- **PTB-licensed**

Model 89 XDB

Wall unit for cars and trucks, for outside use

- Housing Aluminum made, varnished, IP 66
- 10 m filling hose with chuck
- 230 V, 50/60 Hz
- Pressure min. 0,3 bar - max. 10 bar accuracy 0,02 bar
- Dim. approx. 270 x 285 x 110 mm (LxWxH), 3,5 kg
- **PTB-licensed**

Model 89 XHB

(without illustr.)

Mobile unit for truck, for outside use

- Housing Aluminum made, varnished, IP 66
- 10 m filling hose with chuck
- 230 V, 50/60 Hz
- pressure min. 0,3 bar - max 12,4 bar accuracy 0,02 bar
- Dim. approx. 270 x 285 x 110 mm (LxWxH), 3,5 kg
- **Not calibratable**

Model 89 XDH

Wall unit for aircraft, for outside use

- Housing Aluminum made, varnished, IP 66
- 10 m filling hose with chuck
- 230 V, 50/60 Hz
- pressure min. 0,3 bar - max. 21 bar, accuracy 0,02 bar
- dim. approx. 270 x 285 x 110 mm (LxWxH), 3,5 kg

Accessories

(without illustr.)

5 m filling hose for 89 MXA, type VS 89-5

10 m filling hose for 89 MHB, type VS 89 XHB-10

Mounting bracket for 89 MXA type MK 89

Adapter for air connection for 89 MXA type MXA-AA

Momentary plug for air connection type MXA-MS

Quickshot connection for quick inflation type QST

- For quick inflation of car and other tyres
- With chuck and knurled screw to loosen the valve

Quickshot connection for quick inflation type QSL

- For quick inflation of truck tyres
- With chuck and knurled screw to loosen the valve

Universal valve cap type UVA

- For quick and safety connection of tire valves (steel and rubber)

part no.	price EUR
76 006	715,81
76 001	1.009,78
76 008	1.308,53
76 007	Request
76 503	65,73
76 511	106,36
76 504	59,63
76 506	23,78
76 507	23,78
76 505	58,56
76 508	70,51
76 509	82,46



Mod. 89 BEP

Patent pending RAPID-SCS
SCS
Safety Control System

Mod. 89 FRP

Tire pressure regulator

This regulators are designed for garages, car rentals agencies, petrol stations, service centers and forwarding agencies.

The desired air pressure can be pre-selected and confirmed by the +/- button. The filling starts automatically as soon as the hose is connected to the tire and stops once the desired pressure is reached. A micro controller reads the current tire pressure. An acoustic signal confirms the successful end of the filling.

Model 89 BEP

Standing unit for cars and lorries, outside

- Aluminium casing, varnished, IP 46
- 8 m connection hose, water pressure fittings
- 230 V, 50 / 60 Hz
- Pressure min. 0,3 bar - max. 10 bar, accuracy 0,02 bar
- Dim. approx. 1400 x 310 x 310 mm (L x W x H), 24 kg
- **PTB-licensed**

- Conformity assessment / calibratable version
- Optional: Heater for temp. of -20°C up to +60°C

Model 89 FEB

(without illustr.)

- Identical with model 89 BEP, but
- Oval design, not rectangular
- **PTB-licensed**
- Conformity assessment / calibratable version

Model 89 FRP

Standing unit for cars and lorries, outside

- Aluminium casing, varnished, IP 44
- 2 autom. hose reels for water and air 8 m NPS 06
- 230 V, 50 / 60 Hz
- Pressure min. 0,3 bar - max. 10 bar, accuracy 0,02 bar
- Dim. approx. 1400 x 480 x 400 mm (L x W x H), 40 kg
- **PTB-licensed**

- Conformity assessment / calibratable version
- Optional: Heater for temp. of -20°C up to +60°C

- Optional: Water pressure set
- Optional: Compressor
- **Optional: Rapid-SCS®** - controlled reeling technology

Please state if unit will be used for cars or lorries when ordering!

Type Rapid-SCS (Series 3)

- Surcharge for Rapid-SCS Series 3

Type Rapid-SCS (Series 4)

- Surcharge for Rapid-SCS Series 4

Additional freight charges for models 89 BEP/FEB/FRP

Accessories

(without illustr.)

Cabint heater type KH

- Heater for outside temp. of -20 °C up to +60 °C
- For installation in 89 BEP, FEB and FRP

Cabint heater type 89 WH

- Heater for outside temp. of -20 °C up to +60 °C
- For installation in 89 XDB, XHB und XDH

Dispensing hose type LVS 89

- Hose for mod.-series 89 (except 89 FRP), 8 m NPS 10

Adapter for air connection for 89 MXA type MXA-AA

Maintenance unit type LWE 06

- With fog oiler, filter and water separator, G 1/4" int. th. / int. th.

Maintenance unit type LWE 10

- With fog oiler, filter and water separator, G 3/8" int. th. / int. th.

Other sizes of filling hose on supply

part no.	price EUR
76 003	Request
76 004	Request
76 005	Request
03 599	130,26
04 599	166,11
	Request
76 500	Request
76 510	Request
76 501	Request
76 506	23,78
20 537	51,27
20 501	89,63



Mod. UT 8110/1

PNEUTEC classics

1/2" Mini-Impact air wrench Modell UT 8110/1

- JUMBO-HAMMER-clutch system
- **One hand operation**
- One hand operation
- Motor housing made of composite material
- Three power settings in forward and reverse direction
- Length approx. 109 mm, **weight only approx. 1,3 kg**
- Air consumption 2,0 l/s, air connection R 1/4"
- Speed: 9.000 min⁻¹
- Working torque: 110 - 420 Nm
- **Max. torque: 695 Nm**

part no. price EUR

90 102 192,43



Mod. UT 8151

1/2" Impact air wrench Model UT 8151

- Durable and powerful TWIN-HAMMER clutch system, exhaust air through handle
- **One hand operation**
- Motor housing made of composite material
- 3 power settings in forward direction and full power on reserve
- Length approx. 187 mm, weight only approx. 1,9 kg
- Air consumption 1,9 l/s, air connection R 1/4"
- Speed: 8.000 min⁻¹
- Working torque: 100 - 500 Nm
- **Max. torque: 1.115 Nm**

90 122 241,88

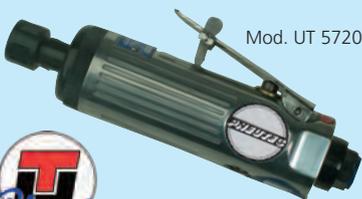


Mod. UT 8181

1/2" Impact air wrench model UT 8181

- Durable and powerful TWIN-HAMMER clutch system, exhaust air through handle
- Motor housing made of composite material
- Air exhaust through handle, three power settings in forward and reverse direction
- Max. Torque: 1.290 Nm

90 101 267,68



Mod. UT 5720

Die grinder model UT 5720

- Economical medium die grinder with safety throttle to prevent from unintended start-up
- Performance 0,2 kW, collet 6 mm Ø
- Length approx. 176 mm, weight approx. 0,6 kg
- Air consumption 8,5 l/s, air connection R 1/4"
- Max. speed: 22.000 min⁻¹

92 006 84,93



Mod. ZT 11/1

Magnetic tool handle model ZT 11/1

- Magnetic tool handle with 2 magnets for using on car lifts or other metallic articles
- Planned for 1x impact air wrench, 5x impact sockets, 1x adjustable torque wrench

98 010 52,68



BASIC LINE



Mod. UT 8122



Mod. UT 8322



Mod. UT 8422



Mod. UT 84128

Basic Line

1/2" Impact air wrench model UT 8122

- Pin clutch hammer system for fast torque built-up
- One hand operation
- Air exhaust through handle with cushion grip directs air away from working area
- 3 power settings in forward direction and full power on reserve
- Length approx. 194 mm, weight only approx 2,2 kg
- Air consumption 3,7 l/s, air connection R 1/4"
- Speed: 6.500 min⁻¹
- Working torque: 100 - 300 Nm
- **Max. torque: 600 Nm**

3/4" Impact air wrench model UT 8322

- Durable and powerful TWIN-HAMMER clutch system, exhaust air through handle
- **One hand operation**
- 3 power settings in forward direction and full power on reserve
- Length approx. 245 mm, weight only approx. 4,8 kg
- Air consumption 4,5 l/s, air connection R 1/4"
- Speed: 4.600 min⁻¹
- Working torque: 350-900 Nm
- **Max. torque: 1.350 Nm**

1" Impact air wrench model UT 8422

- Durable and powerful TWIN-HAMMER clutch system, exhaust air through handle
- One hand operation
- 3 power settings in forward direction and full power on reserve
- Length approx. 235 mm, weight approx. 7,0 kg
- Air consumption 8,0 l/s, air connection R 1/4"
- Speed: 4.200 min⁻¹
- Working torque: 500-1200 Nm
- Max. torque: 2.500 Nm

1" Impact air wrench model UT 84226 (without illustr.)

- Identical with model UT 8422, but:
- 6" extended anvil
- Length approx. 385 mm, weight approx. 8,5 kg
- Air consumption 8,0 l/s, air connection R 1/4"
- Speed: 4.200 min⁻¹
- Working torque: 500-1200 Nm
- Max. torque: 2.300 Nm

1" Impact air wrench Model UT 84128

- Lightweight, durable cast aluminium housing
- Additional side handle for easy operation
- Extended **8"-anvil** for extra deep reach
- 3 stages in forward and reverse
- Powerful pinless impact mechanism
- Length approx. 570 mm, weight approx. 13,8 kg
- Air consumption 5,0 l/s, air connection R 1/2"
- Speed: 3.500 min⁻¹
- Working torque: 500-1200 Nm
- **Max. torque: 2.800 Nm**

part no.

price EUR

90 125

106,43

90 325

299,93

90 432

482,68

90 433

536,43

90 408

536,43

HITEC LINE



Mod. UT 8137



Mod. UT 8157



Mod. UT 8357



Mod. UT 8001 A



Mod. UT 8001 B

Impact air wrench

1/2" Impact air wrench model UT 8137

- Pin clutch hammer system for fast torque built-up
- **One hand operation**
- Air exhaust through handle with cushion grip directs air away from working area
- 3 power settings in forward direction and full power on reserve
- Length approx. 200 mm, weight approx. 2,0 kg
- Air consumption 2,9 l/s, air connection R 1/4"
- Speed: 6.500 min⁻¹
- Working torque: 400 - 600 Nm
- **Max. torque: 600 Nm**

1/2" Impact air wrench model UT 8157

- Durable and powerful TWIN-HAMMER clutch system, exhaust air through handle
- Motor housing made of composite material
- 360° swivel air inlet
- 3 power settings in forward direction and full power on reserve
- Length approx. 192 mm, weight approx. 2,0 kg
- Air consumption 2,5 l/s, air connection R 1/4"
- Speed: 6.000 min⁻¹
- Working torque: 320 - 700 Nm
- **Max. torque: 950 Nm**

3/4" Impact air wrench model UT 8357

- Durable and powerful TWIN-HAMMER clutch system, exhaust air through handle
- Motor housing made of composite material
- 360° swivel air inlet
- 3 power settings in forward direction and full power on reserve
- Length approx. 240 mm, weight approx. 3,0 kg
- Air consumption 3,0 l/s, air connection R 1/4"
- Speed: 4.000 min⁻¹
- Working torque: 390 - 1.210 Nm
- **Max. torque: 1.550 Nm**

Air ratchet wrench

1/4" Air ratchet wrench model UT 8001 A

- Cushion grip handle for comfort and excellent handling, length 203 mm, approx. 0,6 kg
- Small and handy design
- Rear exhaust 360° swiveling, low noise 85 dBA
- Reversible for forward and reverse direction
- Air consumption 2,4 l/s, air connection R 1/4"
- Working torque: 250 min⁻¹
- **Max. torque: 40 Nm**

3/8" Air ratchet wrench model UT 8001 B

- Cushion grip handle for comfort and excellent handling, length 203 mm, approx. 0,6 kg
- Small and handy design
- Rear exhaust 360° swiveling, low noise 85 dBA
- Reversible for forward and reverse direction
- Air consumption 2,4 l/s, air connection R 1/4"
- Working torque: 250 min⁻¹
- **Max. torque: 40 Nm**

part no. price EUR

90 110 106,43

90 111 213,93

90 300 482,68

91 000 106,43

91 100 106,43

HITEC LINE



Mod. UT 5015 D



Mod. UT 8831 S



Mod. UT 8715



Mod. UT 8710 D



Mod. UT 5760 B



Mod. UT 8788 C

Air ratchet wrench

1/2" Air ratchet wrench UT 5015 D

- Cushion grip handle for comfort and excellent handling, length 284 mm, approx. 1,2 kg
- Reversible for forward and reverse direction
- Side exhaust 360° swiveling, low noise 85 dBA
- Air consumption 1,9 l/s, air connection R 1/4"
- Speed: 180 min⁻¹
- **Max. torque: 80 Nm**

Air drills

Air drill model UT 8831 S

- Powerfull and reversible air drill with with keyless chuck
- Keyless chuck 10 mm (3/8")
- Composite housing, handle exhaust directs air away from work and reduces noise
- Reversible for forward and reverse direction
- Air consumption 2,6 l/s, air connection R 1/4"
- **Free speed: 2.200 min⁻¹**

Angle- and die-grinder/Cutter/Dual action sander

Angle die grinder model UT 5715

- 90° angle die grinder with comfort grip for greater handling comfort
- Safety throttle
- Rear exhaust, 360° swivel air inlet
- Collet 6 mm Ø
- Length approx. 165 mm, weight approx. 0,5 kg
- Air consumption 2,3 l/s, air connection R 1/4"
- **Max. speed: 20.000 min⁻¹**

Die grinder model UT 5710

- Comfort grip for greater handling comfort
- Safety throttle to prevent from unintended start-up
- Rear exhaust
- Collet 6 mm Ø
- Length approx. 170 mm, weight approx. 0,6 kg
- Air consumption 2,0 l/s, air connection R 1/4"
- **Max. speed: 20.000 min⁻¹**

Cutter model UT 5760 B

- Comfort grip for greater handling comfort
- Safety throttle to prevent from unintended start-up
- Cutting disc 76 x 10 mm
- Length approx. 170 mm, weight approx. 0,7 kg
- Air consumption 3,0 l/s, air connection R 1/4"
- **Max. speed: 20.000 min⁻¹**

Dual action orbital sander UT 8788 C

- Dual action orbital sander for fast removal as well as fine finishing
- 150 mm Ø velcro pad
- Regulator, **5 mm eccentric cam stroke**
- Weight approx. 2,0 kg
- Air consumption 1,9 l/s, air connection R 1/4"
- **Max. speed: 10.000 min⁻¹**

part no.

price EUR

91 200

117,18

93 101

123,63

92 020

106,43

92 000

84,93

92 021

95,68

92 213

102,13



The Technology

The RAPID connecting system guarantees a fast, save and leak proof connection. The connection is easily made by inserting the rectangular and burr-free cut polyamide pipe into the connection piece. The patented fixing system holds the pipe without damaging it and without reducing the flow volume. By pressing the system piece the pipe is easily disconnected.

Diameter for the pneumatic system

15 mm +/- 0,1 mm
18 mm +/- 0,1 mm
22 mm +/- 0,1 mm
28 mm +/- 0,1 mm

- Diameters up to 42 mm are available on request!
- Low-pressure hydraulic systems up to 20 bar

The system is suitable for the food industry, breweries, distilleries and the automobile industry.

All parts of the RAPID connecting system meet with the quality requirements of the automobile industry (ISO 9001).

Light resistance

Due to the black, light resistant and thermo resistant pipe quality "LT" the system can be used outside or wherever UV radiation occurs.

Atmospheric influences

Polyamide pipes are moisture resistant. Due to the little water absorption of only 1,9 % a highly dimensional stability can be guaranteed.

Pressure resistance

The permitted operating pressure of 20 bar is valid for constant and intermitten burden at +20°C conforming to DIN 73378.

Bending

Polyamide pipes in general can be bent warm as well as cold (up to 28 mm Ø).

Mounting

On top of the above offers the system considerable advantage in comparison to other constructions. Our connecting system makes it possible to install complex lines within a short time. It facilitates the detecting of errors as well as the maintenance of the pipes.

Advantages of the product

- Maintenance free
- Corrosion resistant
- No electric conductivity
- Less friction loss (up to 0,5 bar)
- Easy and fast mounting
- Clean assembling
- No diameter modifications
- No plug-in tubes
- Consalting and sale

Plastic pipes made out of polyamide

According to DIN 73378	OØ	IØ	PU
Type RA 15/12 soft/black	15	12	25 m
Type RA 18/14 soft/black	18	14	25 m
Type RA 22/18 soft/black	22	18	25 m
Type RA 28/23 soft/black	28	23	25 m

Plastic bars made out of polyamide

According to DIN 73378	OØ	IØ	PU
Type RA-ST 15/12 hard/black	15	12	3m
Type RA-ST 18/14 hard/black	18	14	3m
Type RA-ST 22/18 hard/black	22	18	3m
Type RA-ST 28/23 hard/black	28	23	3m

Carrying charges for RA-ST (bars, 3m)



part no.	price EUR pro St./m
75 001	7,11
75 002	10,70
75 003	15,48
75 055	20,26
75 056	9,38
75 057	14,76
75 058	16,55
75 059	23,84
	Request



Type RA-RS 25



Type RA-GST



Type RA-WST



Type RA-TST



Type RA-RST



Type RA-EST



Type RA-VST



Type RA-LSD 5



Type RA-LSD 4

Fixing clamps

	OØ	PU
Type RA-BK 15	15	10 piece
Type RA-BK 18	18	10 piece
Type RA-BK 22	22	10 piece
Type RA-BK 28	28	10 piece

Pipe shear

For pipes OØ 4-28 mm	PU
Type RA-RS 25	1 piece
Type RS-KL extra blade for RA-RS 25	1 piece

Plug in connector, straight

	OØ	PU
Type RA-GST 15	15	10 piece
Type RA-GST 18	18	10 piece
Type RA-GST 22	22	10 piece
Type RA-GST 28	28	5 piece

Plug in connector 90°-angle

	OØ	PU
Type RA-WST 15	15	10 piece
Type RA-WST 18	18	5 piece
Type RA-WST 22	22	5 piece
Type RA-WST 28	28	5 piece

Plug in connector T and T-reduced

	OØ	PU
Type RA-TST 15	15	5 piece
Type RA-TST 18	18	5 piece
Type RA-TST 22	22	5 piece
Type RA-TST 28	28	5 piece
Type RA-TSTRE 18-15-18	18	5 piece
Type RA-TSTRE 22-15-22	22	5 piece

Flanged socket

	OØ	TH	PU
Type RA-RST 15 1/2" SW 27	15	1/2"	10 piece
Type RA-RST 18 1/2" SW 27	18	1/2"	10 piece
Type RA-RST 22 1/2" SW 27	22	1/2"	10 piece
Type RA-RST 22 3/4" SW 27	22	3/4"	10 piece

Screwed in connector

	OØ	TH	PU
Type RA-EST 15 1/2" SW 27	15	1/2"	10 piece
Type RA-EST 18 1/2" SW 30	18	1/2"	10 piece
Type RA-EST 22 1/2" SW 32	22	1/2"	10 piece
Type RA-EST 22 3/4" SW 32	22	3/4"	10 piece

Sealing plug

	OØ	PU
Type RA-VST 15	15	10 Stck.
Type RA-VST 18	18	10 Stck.
Type RA-VST 22	22	10 Stck.

Air main socket

	PU
Type RA-LSD 5, 5 connections 1/2"	1 piece
■ Polyamide, impact resistant, 3 sealing plugs	
Type RA-LSD 4, 4 connections 1/2"	1 piece
■ Aluminium, anodised, 2 sealing plugs	

part no.

price EUR

75 004	2,21
75 005	2,81
75 006	2,99
75 060	3,53

75 007	65,73
75 500	12,55

75 008	7,35
75 009	10,93
75 010	13,32
75 061	30,05

75 011	11,89
75 012	14,28
75 013	17,87
75 062	31,01

75 014	14,52
75 015	16,91
75 016	28,86
75 063	34,83
75 017	28,86
75 018	28,86

75 019	7,77
75 020	7,77
75 021	8,25
75 022	14,22

75 023	11,83
75 024	11,83
75 099	11,83
75 025	11,83

75 026	3,47
75 027	4,06
75 028	4,30

75 029	35,73
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75 082	71,58
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Ball valve int./ex. th. for compressed air main

Type RA-KGH 12 1/2" int./ex.th.
Type RA-KGH 20 3/4" int./ex.th.

part no.	price EUR
75 030	14,22
75 031	19,00

Quick seal coupling

Type SSK 06 quick seal coupling 1/4" int. th.
Type SSK 10 quick seal coupling 3/8" int. th.
Type SSK 20 quick seal coupling 3/4" int. th.
Type SSK 20 GR SSK with rubber ring 3/4" int. th.
Type ESG 06 quick seal coupling 1/4" int. th.
Type ESG 10 quick seal coupling 3/8" int. th.

03 503	13,03
03 504	15,42
50 510	143,28
50 530	143,28
75 054	51,27
75 053	51,27

Brass wall adapter

Type RA-WM 12 1/2"
Type RA-WM 20 3/4"

75 064	34,54
75 065	56,05

Brass plug in nozzle

Type RA-TÜ 1/4" 1/4" int. th.
Type RA-TÜ 3/8" 3/8" int. th.
Type RA-TÜ 1/2" 1/2" ex.th.
Type RA-TÜ 6 6 mm hose connection
Type RA-TÜ 9 9 mm hose connection
Type RA-TÜ 13 13 mm hose connection

75 083	3,23
75 084	3,47
75 036	4,06
75 037	2,39
75 038	2,63
75 039	2,99

Dummy plug 1/2"

Type RA-BS, for air main socket, 1/2" ex.th.

75 040	2,51
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Maintenance unit

Maintenance unit type LWE 06

■ With fog oiler, filter and water separator,
G 1/4" int. th. / int. th.

20 537	51,27
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Maintenance unit type LWE 10

■ With fog oiler, filter and water separator,
G 3/8" int. th. / int. th.

20 501	89,63
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Maintenance unit type LWE 12

■ With fog oiler, filter and water separator,
G 1/2" int. th. / int. th.

20 502	113,53
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Pressure reducing valve type LWE 12-5

■ with fog oiler and water separator
thread 1/2" / 5 x outlets SSK 12 (3 x water
separated and 2 x water separator and oiled)
including mounting bracket.

20 728	333,41
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Energy supplying unit

Type EB1

(without illustr.)

■ 2 x 4 safety sockets 230 V
■ 5 m cable H05 VV-F 3 G 1,5, 3 m steel link chain

75 067	70,51
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Type EB2

■ 3 x safety sockets 230 V
■ 1 x CCE-socket 5-pole 400 V
■ 5 m cable H07 RN-F 5 G 1,5, 3 m steel link chain

75 068	130,26
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Hose bracket

Type SH

■ Big hose bracket for wall fastening. Steel panel
galvanized.

75 501	58,56
--------	-------

■ Solid construction, incl. storage shelf

■ Dim. approx. 300 x 140 x 250 mm (L x W x H)

Type SH-PVC-Set

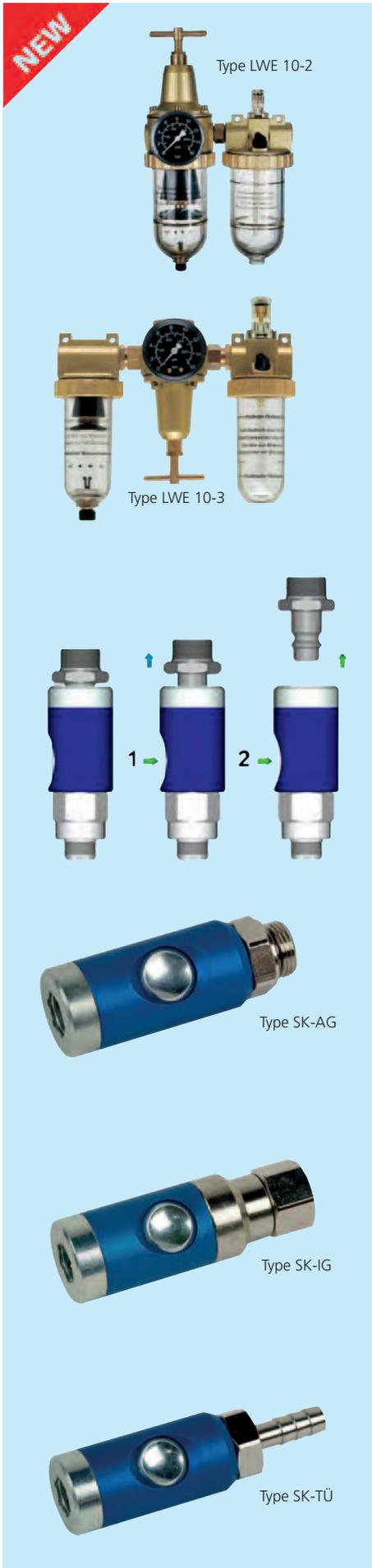
■ Hose bracket with 20 m PVC-hose, DN 10

75 101	94,41
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Type SH-Flex-Set

■ Hose bracket with 20 m Flex-hose, DN 10

75 103	142,21
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Maintenance units

Maintenance units in plastic design, consisting of filter pressure regulator and compressed air lubricator - connected via double nipples. Connection thread G 1/4 to G 1/2. Operating pressure up to 16 bar.

2-unit maintenance unit Type LWE 06-2

■ With fog oiler, water separator, G1/4" IG/IG, up to 16 bar

2-unit maintenance unit Type LWE 10-2

■ With fog oiler, water separator, G3/8" IG/IG, up to 16 bar

2-unit maintenance unit Type LWE 12-2

■ With fog oiler, water separator, G1/2" IG/IG, up to 16 bar

3-unit maintenance unit Type LWE 06-3

■ With fog oiler, water separator, G1/4" IG/IG, up to 16 bar

3-unit maintenance unit Type LWE 10-3

■ With fog oiler, water separator, G3/8" IG/IG, up to 16 bar

3-unit maintenance unit Type LWE 12-3

■ With fog oiler, water separator, G1/2" IG/IG, up to 16 bar

Safty coupling with press button operation

Safty coupling according to ISO 4414, DIN EN 983. With press button operation to prevent a whiplash effect during the decoupling. If the coupling is firmly mounted the press button can be brought into an ergonomic and optimum position by the swivel joint. The high quality coupling is especially characterized by stability and compactness.

Operation:

- **Level 1:** By pushing the press button once, the coupling is vented. The plug is still locked in the sleeve.
- **Level 2:** By pushing the press button a second time, the plug is unlocked and can be riskless removed.

Technical specifications:

- Nominal flow 1.500 NI/min.
- Working pressure max. 12 bar / min. 1 bar
- Range of temperature -20° up to +70° C

Safty coupling with external thread

Type SK-AG 06

■ With external thread, rotatable
1/4", 70,0 mm length, SW 21 mm

Type SK-AG 10

■ With external thread, rotatable
3/8", 70,0 mm length, SW 21 mm

Type SK-AG 12

■ With external thread, rotatable
1/2", 70,0 mm length, SW 25 mm

Safty coupling with internal thread

Type SK-IG 06

■ With internal thread, rotatable
1/4", 73,5 mm length, SW 21 mm

Type SK-IG 10

■ With internal thread, rotatable
3/8", 75,5 mm length, SW 21 mm

Type SK-IG 12

■ With internal thread, rotatable
1/2", 77,5 mm length, SW 24 mm

Safty coupling with hose connection

Type SK-TÜ 06

■ With hose connection, rotatable
LW 6, 88,5 mm length, SW 21 mm

Type SK-TÜ 08

■ With hose connection, rotatable
LW 8, 88,5 mm length, SW 21 mm

Type SK-TÜ 09

■ With hose connection, rotatable
LW 9, 88,5 mm length, SW 21 mm

Type SK-TÜ 10

■ With hose connection, rotatable
LW 10, 88,5 mm length SW 21 mm

Type SK-TÜ 13

■ With hose connection, rotatable
LW 13, 88,5 mm length, SW 21 mm

part no.	price EUR
20 783	219,00
20 784	219,00
20 785	319,00
20 786	239,00
20 787	239,00
20 788	339,00
75 088	35,73
75 089	39,32
75 090	41,71
75 091	35,73
75 092	39,32
75 093	41,71
75 094	38,12
75 095	39,32
75 096	41,71
75 097	44,10
75 098	47,68

part no.	page	part no.	page	part no.	page	part no.	page	part no.	page	part no.	page
00 ...		03 504	43, 234	05 033	36	08 010	37	09 116	37	09 590	42
00 001	22	03 509	42	05 034	39	08 011	31, 33, 35	09 117	37	09 592	42
00 002	22	03 510	42	05 035	39	08 012	37	09 118	39	09 593	42
00 003	22	03 511	42	05 036	39	08 020	31, 33, 35	09 119	39	09 596	30, 32, 34, 36, 37, 38, 39, 171
00 004	23	03 512	42	05 500	44	08 021	31, 33, 35	09 120	36		
00 006	23	03 525	42	05 502	41	08 022	31, 33, 35	09 121	36		
00 007	23	03 529	43	05 512	41	08 023	37	09 126	39	09 597	30, 32, 34, 36, 37, 38, 169, 200
00 009	23	03 530	43	05 515	41	08 500	41	09 127	39		
00 010	22	03 532	43	05 516	41	08 501	41	09 130	28		
00 011	23	03 534	43	05 517	41	08 502	41	09 131	28	09 598	28, 29, 30, 32, 34, 36, 37, 38, 39, 170
00 012	22	03 535	43	05 518	41	08 503	41	09 132	28		
00 013	22	03 536	42	05 519	44	08 504	41	09 133	28		
00 014	23	03 538	42	05 520	44	08 505	41	09 134	28		
00 050	23, 25	03 539	42			08 506	41	09 135	28	09 599	28, 29, 30, 32, 34, 36, 37, 38, 39, 168, 200
00 052	23, 25	03 540	42	06 ...				09 136	28		
00 053	23, 25	03 541	42	06 004	31, 33, 35	09 ...		09 137	28		
00 054	25	03 545	40	06 005	31, 33, 35, 36	09 001	30, 32, 34	09 138	28		
00 596	22, 23	03 547	42	06 006	31, 33, 35, 36	09 002	30, 32, 34	09 139	28	09 600	45, 114, 168
00 597	23	03 548	42	06 007	31, 33, 35, 36	09 003	30, 32, 34, 168	09 140	29	09 601	45, 114, 168
00 598	22, 23, 25	03 599	24, 27, 32, 34, 38, 227	06 008	31, 33, 35, 36	09 004	30, 32, 34, 168	09 141	29		
00 599	22, 23			06 009	31, 33, 35, 36	09 005	30, 32, 34, 168	09 142	29	10 ...	
01 ...		04 ...		06 010	31, 33, 35, 36	09 006	168	09 143	29	10 502	40
01 001	26	04 007	28	06 011	31, 33, 35, 36	09 007	30, 32, 34, 168	09 144	29	10 503	40
01 002	26	04 009	28	06 012	31, 33, 35, 36	09 008	30, 32, 34	09 145	29	10 504	40
01 004	26	04 010	34	06 502	42	09 009	30, 32, 34	09 146	29	10 505	40
01 006	26	04 019	29	06 503	42	09 010	30, 32, 34, 170	09 147	29	10 506	40
01 007	26	04 020	34	06 504	42	09 011	30, 32, 34, 170	09 148	29	10 507	40
01 008	26	04 021	38	06 504	42	09 012	30, 32, 34	09 149	29	10 508	40
01 010	26	04 023	28	06 524	36	09 013	170	09 202	36	10 523	41
01 011	26	04 024	28	06 525	42	09 014	30, 32, 34, 170	09 203	36	10 524	41
01 012	26	04 026	29	06 526	42	09 015	36, 200	09 209	36	10 525	41
01 013	25	04 028	28	06 527	42	09 016	36, 200	09 210	36	10 526	41
01 014	25	04 029	28	06 528	42	09 017	36	09 301	30, 33, 34	10 527	41
01 015	25	04 031	29	06 529	42	09 018	36	09 302	30, 33, 34	10 528	41
01 016	25	04 050	28	06 530	42	09 019	37	09 303	30, 33, 34	10 529	41
01 080	24	04 051	28	06 531	42	09 020	37	09 304	30, 33, 34	10 534	40
01 082	24	04 052	28	06 532	42	09 021	37	09 305	30, 33, 34	10 535	40
01 083	24	04 053	28	06 533	42	09 022	37	09 306	30, 33, 34	10 536	40
01 331	32	04 061	29	06 534	42	09 023	37	09 307	37	10 537	40
01 504	40	04 063	29	06 535	42	09 024	30	09 308	37	10 538	40
01 505	40	04 500	44	06 536	42	09 046	30	09 361	39	10 539	40
01 506	40	04 501	44	06 537	42	09 047	30, 32, 34, 169	09 362	39	10 540	40
01 513	44	04 503	40	06 538	42	09 048	30, 32, 34, 169	09 500	44, 168, 200	10 541	41
01 516	40	04 515	44	06 539	42	09 049	169	09 501	44	10 542	41
01 517	40	04 518	40	06 540	42	09 050	30, 32, 34, 169	09 502	46	10 543	41
01 519	24	04 519	40	06 541	42	09 051	36, 200	09 503	46	10 544	41
01 520	43	04 521	43	06 542	42	09 052	36, 200	09 504	44	10 545	41
01 521	46	04 522	43	06 543	42	09 053	37	09 505	44, 169, 200	10 547	122, 123
01 522	40	04 523	43	06 544	42	09 054	37	09 506	42	10 549	41, 127
01 523	24	04 525	43	06 550	44	09 055	37	09 507	42	10 550	41
01 524	46	04 527	43	06 551	44	09 056	38, 169	09 508	42	10 551	40
01 525	46	04 528	43	06 552	44	09 067	38	09 509	42	10 552	40
01 527	24	04 599	28, 29, 34, 38, 227	06 557	44	09 068	38	09 510	42	10 553	40
01 595	25			06 558	44	09 069	38, 168	09 511	42	10 554	41
01 596	26	05 ...		06 567	42	09 070	38, 169	09 514	44, 169, 200	10 555	41
01 597	23, 25, 26	05 010	31, 33, 35, 36	06 568	42	09 087	38, 170	09 515	44, 169	10 556	41
01 599	26	05 011	31, 33, 35, 36	06 569	42	09 088	38, 170	09 531	44, 169	10 558	41
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1. Pneumatic oil pumps

The pistons of the compressed air drive and the conveying pump of these piston pumps are directly connected. The proportion of both piston areas regulate the ratio and therefore the discharge capacity regarding the volume flow [l/min.] and discharge pressure [bar].

The following performance data are down to an air inlet pressure of 6 bar and free outlet, measured directly at the pump

The discharge capacity of the pump is mainly influenced by the degree of viscosity of the medium and the surrounding temperature. It should not be mistaken for the discharged volume flow at the tap, which is influenced by the resistance of pipes, counters and other parts.

Model	Ratio	Pressure [bar]	Q0 l/min
OP 90 D 35/1	1 : 1	6	16
OP 90 D 30/1	1 : 3	18	12
OP 90 D 25/1	1 : 5	30	10
OP 110 D 35	1 : 1	6	30
OP 110 D 30	1 : 3	18	26
OP 110 D 25	1 : 5	30	23
OP 115 D 30	1 : 3	18	25
OP 115 D 25	1 : 5	30	20

Ratio 1 : 1

These pumps are preferably used to decant mediums with a low viscosity such as Diesel, fuel, and thinner engine oils with a short pressure pipes / hoses.

Ratio 1 : 3

These pumps are the typical oil supply over some distance. They are used for mediums with low as well as higher viscosity and are suitable for longer pipelines with more than one discharge place and those ones with hose reels.

Ratio 1 : 5

These pumps are especially designed for mediums with high viscosity and high pipe resistance, e.g. narrow diameter of pipes or a high difference in level. **At this it is important that the allowed working pressure of the conveying pipe is according to the high conveying pressure of these pumps.**

2. Electrical oil pumps

These are self priming gear pumps with inner gear teeth and bypass valve. For the following performance data apply the same measurement criteria than for the pneumatic pumps.

The discharge capacity of the pump is mainly influenced by the degree of viscosity of the medium and the surrounding temperature. It should not be mistaken for the discharged volume flow at the tap, which is influenced by the resistance of pipes, counters and other parts

Model	Connection	Pressure [bar]	Q0 l/min
OP 140/1 / KP 140	230 V, 50 Hz, 0,55 kW	10	9
OP 145	230 V, 50 Hz, 1,10 kW	10	7
OP 160/1	400 V, 50 Hz, 0,55 kW	10	9
OP 165	400 V, 50 Hz, 1,20 kW	10	14
OP 170/1	400 V, 50 Hz, 0,75 kW	10	14
OP 190/1	400 V, 50 Hz, 1,10 kW	10	17

OP 140/1 / OP 145 is the classical pump of mobile or stationary oil dispensing units with one tap connexion. It is available with a simple on-off-switch or a pressure switch.

OP 160/1 / OP 165 is similar to OP 140, it is suitable for a single discharge tap but suitable as well for a suction pipe for mediums with higher viscosity, e.g. gear oil.

OP 170/1 is the ideal pump for oil dispensing units with up to three taps. For optimal performance use the recommended suction pipe.

OP 190/1 is a pump with high discharge performance. For optimal performance use the recommended suction pipe.

KP 140 is the classical pump of mobile or stationary antifreeze dispensing sets. Also suitable for diesel and water.

3. Suction pipes

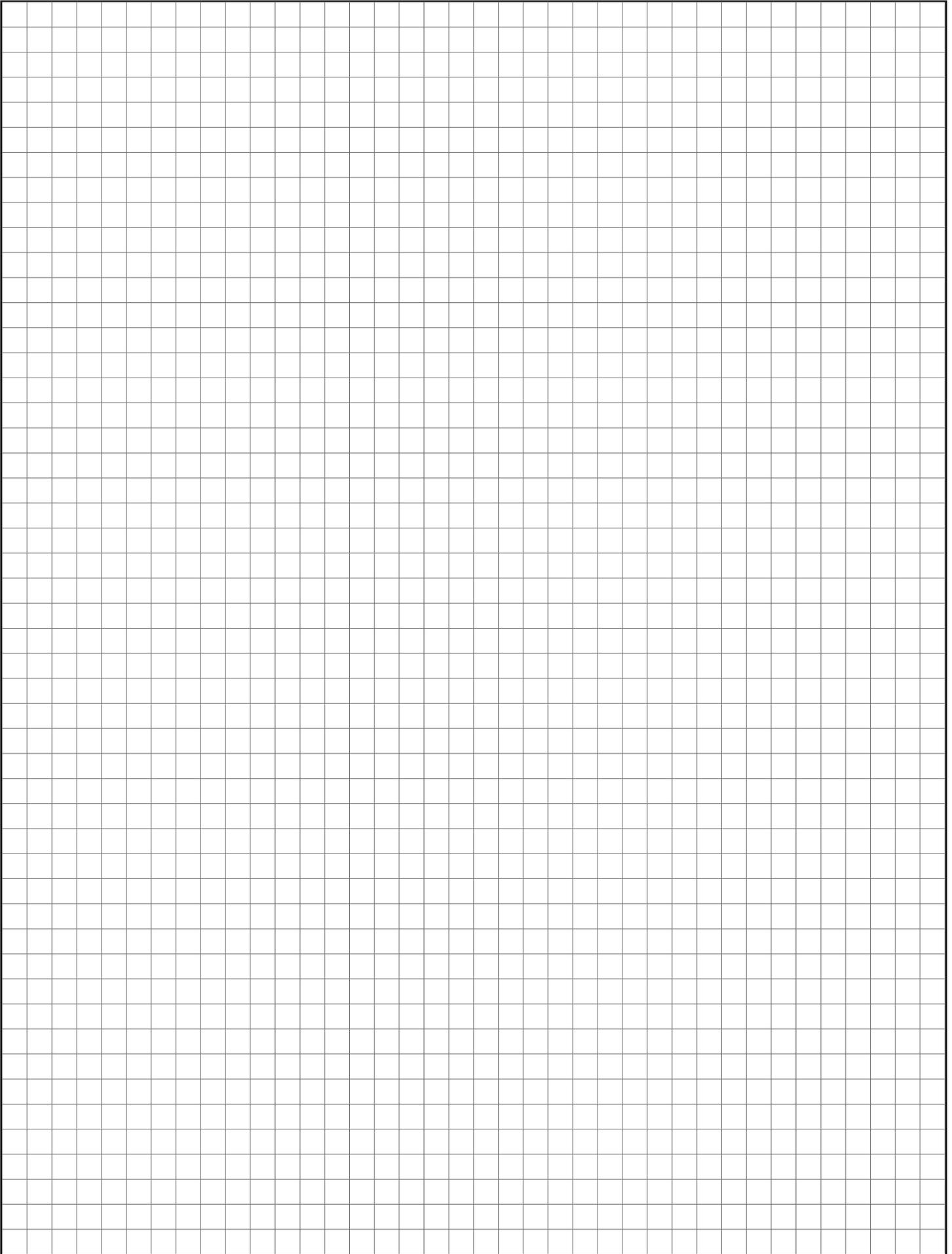
Suction pipes are available in two lengths for barrels (1,5 m) and tanks (2,5 m) as well as with several cross cuts. The higher the discharge capacity of the pump and the higher viscous the medium, the bigger should be the cross cut of the suction pipe. Suction pipes of nominal diameter NPS 20, NPS 25, NPS 32 and for special application NPS 40 are available.

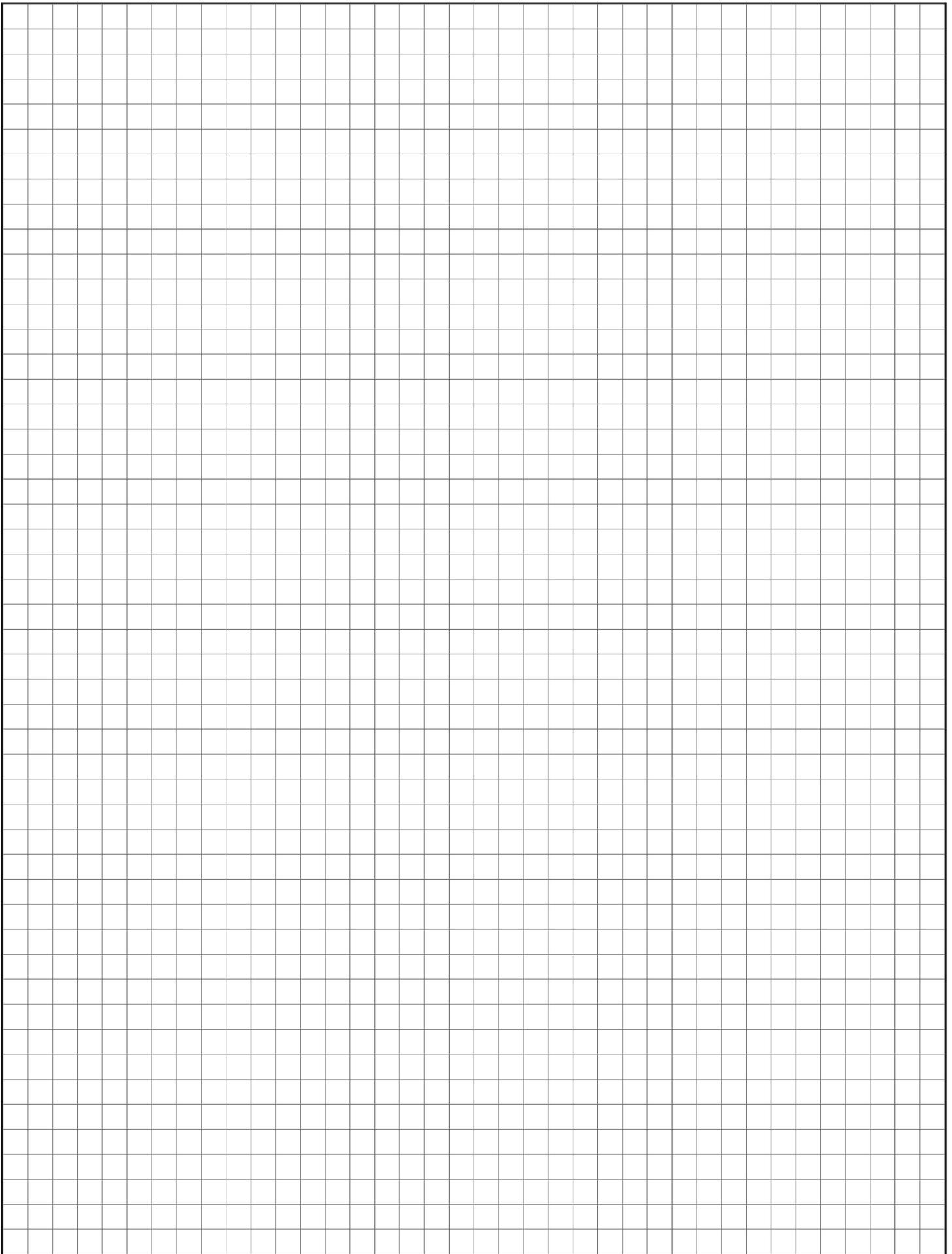
4. Pressure pipes

The pressure pipes of oil dispensing units should be assembled according to legal guidelines. Following experical values can be used for the cross cut of the pipes.

Pipe length	Engine oil	Gear oil
to 15 m	NPS 20 (3/4")	NPS 25 (1")
to 30 m	NPS 25 (1")	NPS 32 (1 1/4")
more than 30 m	NPS 32 (1 1/4")	NPS 40 (1 1/2")

For pipelines with more than one tap it is recommended to choose the next bigger cross cut.





Allgemeine Geschäftsbedingungen der Rapid Group GmbH, Bahnhofstraße 53-55, D-64560 Riedstadt (in der Fassung vom 01.01.2024)

I. Allgemeines. Alle mündlichen, telefonischen oder durch Vertreter getroffene Abmachungen sind für den Lieferer nur dann bindend, wenn sie vom Lieferer schriftlich bestätigt wurden. Anders lautende Lieferungs- oder Einkaufsbedingungen haben nur dann Gültigkeit, wenn sie vom Lieferer ausdrücklich bestätigt sind.

II. Angebot. Sämtliche Preise verstehen sich - soweit nicht anders angegeben, in Euro. Die angegebenen Preise, Mengen und Lieferzeiten sind freibleibend. Die zu dem Angebot gehörigen Unterlagen, wie Abbildungen, Zeichnungen, Gewichts- und Maßangaben, sind nur annähernd maßgebend, soweit sie nicht ausdrücklich als verbindlich bezeichnet sind. An Kostenvoranschlägen, Zeichnungen und anderen Unterlagen behält sich der Lieferer Eigentums- und / oder Urheberrecht vor; sie dürfen Dritten nicht zugänglich gemacht werden. Der Lieferer ist verpflichtet, vom Abnehmer als vertraulich bezeichnete Pläne nur mit dessen Zustimmung Dritten zugänglich zu machen.

III. Umfang der Lieferung. Für den Umfang der Lieferung ist die schriftliche Auftragsbestätigung des Lieferers maßgebend. Hinsichtlich der Liefermenge steht es dem Lieferer frei, bis zu 10% mehr oder weniger zu liefern als vereinbart wurde. Veränderungen an Modellen und Abweichungen von den Katalogangaben behält sich der Lieferer vor.

IV. Preise und Zahlungen. Die Preise verstehen sich freibleibend ab Werk ohne Verpackung und Transportversicherung. Verpackung wird pauschal berechnet - bis EUR 150 mit EUR 8, ab EUR 150 mit 3,5%, ab EUR 500 mit 3% und ab EUR 2.500 mit 2,0% des Warenwertes. Der Lieferer ist auch berechtigt und behält sich vor, nach Setzung und fruchtlosem Verlauf einer angemessenen Frist, die am Tage der Lieferung gültigen Preise zu berechnen, vor allem, wenn ab Vertragsabschluss die Werkstoffpreise oder Löhne gestiegen sind oder Umstände, die der Lieferer nicht zu vertreten hat, Herstellung oder Vertrieb verteuern. Der Mindestbestellwert beträgt EUR 60. Die Bezahlung hat in bar, unbeschadet des Wareneinganges innerhalb 30 Tagen ab Rechnungsdatum netto oder innerhalb 8 Tagen mit 2% Skonto zu erfolgen. Reparaturen sind sofort ohne Abzug zur Zahlung fällig. Als Barzahlung gelten nur Kassazahlung, Schecks und Überweisungen, nicht jedoch Wechsel. Die Vertreter oder Reisenden des Lieferers sind nicht zur Entgegennahme von Zahlungen berechtigt. Lieferungen an dem Lieferer unbekannte Firmen sowie Aufträge unter EUR 60 werden unter Nachnahme ausgeführt. In Zahlung genommene Wechsel oder Schecks gelten erst nach Einlösung als eingegangen. Für Formrichtigkeit, rechtzeitige Vorzeigung und Protesterhebung übernimmt der Lieferer keine Verbindlichkeit. Einziehungskosten, Diskontospesen und Valutadifferenzen gehen zu Lasten des Käufers. Bei Zielüberschreitung ist der Lieferer berechtigt, Mahngebühren und Verzugszinsen in Höhe der Bankspesen in Rechnung zu stellen. Zurückhaltung von Zahlungen wegen irgendwelcher Gegenansprüche ist unzulässig. Ergeben sich nach Vertragsabschluss Tatsachen, die Zweifel an der Kreditwürdigkeit des Käufers zulassen, so ist der Lieferer berechtigt, vom Vertrag zurückzutreten und sofortige Bezahlung gestundeter Forderungen zu verlangen.

V. Lieferzeit. Der Lieferer ist bemüht, die Lieferfristen einzuhalten, jedoch sind alle Angaben über Lieferfristen unverbindlich. Schadenersatzansprüche bei Überschreitung der Lieferfrist und das Recht des Bestellers, deswegen vom Vertrag zurückzutreten, sind ausgeschlossen. Wenn der Lieferer an der Erfüllung seiner Verpflichtungen durch den Eintritt von unvorhersehbaren Umständen gehindert wird, die er trotz der nach den Umständen des Falles zumutbaren Sorgfalt nicht abwenden konnte - gleichviel, ob im Werk des Lieferers oder bei seinem Unterlieferanten eingetreten - z.B. Betriebsstörungen, Verzögerung in der Anlieferung wesentlicher Roh- und Baustoffe, so wird er von der Lieferverpflichtung frei, wenn durch diese Umstände die Lieferung unmöglich wird. Wird die Lieferung nicht unmöglich, so verlängert sich bei Vorliegen der oben angegebenen Umstände die Lieferfrist in angemessenem Umfang. Entsprechendes gilt auch im Falle von Streik und Aussperrung. Auf diese Umstände kann sich der Lieferer nur berufen, wenn er den Besteller unverzüglich benachrichtigt. Unterlässt er dies, so treten die ihn begünstigenden Rechtsfolgen nicht ein. Wird der Versand auf Wunsch des Bestellers verzögert, so werden ihm, beginnend einen Monat nach Anzeige der Versandbereitschaft, die durch die Lagerung entstandenen Kosten, bei Lagerung im Werk des Lieferers jedoch mindestens 1/2 % des Rechnungsbetrages für jeden Monat, berechnet. Der Lieferer ist aber auch berechtigt, nach Setzung und fruchtlosem Verlauf einer angemessenen Frist anderweitig über den Liefergegenstand zu verfügen und den Besteller mit angemessener verlängerter Frist zu beliefern. Die Einhaltung der Lieferfrist setzt die Erfüllung aller auch früher eingegangenen Vertragspflichten des Bestellers voraus.

VI. Gefahrübergang und Entgegennahme. Die Gefahr geht - auch bei Franko-Lieferung - spätestens mit der Absendung der Lieferteile auf den Besteller über, und zwar auch dann, wenn Teillieferungen erfolgen. Auf Wunsch des Bestellers wird auf seine Kosten die Sendung durch den Lieferer gegen Bruch-, Transport-, Feuer- und Wasserschäden versichert. Verzögert sich der Versand infolge von Umständen, die der Lieferer nicht zu vertreten hat, so geht die Gefahr vom Tage der Versandbereitschaft ab auf den Besteller über; jedoch ist der Lieferer verpflichtet, auf Wunsch und Kosten des Bestellers die Versicherungen zu bewirken, die dieser verlangt. Angelieferte Gegenstände sind, auch wenn sie unwesentliche Mängel aufweisen, vom Besteller unbeschadet der Rechte aus Abschnitt VIII entgegenzunehmen. Teillieferungen sind zulässig.

VII. Eigentumsvorbehalt. Bis zur vollständigen Befriedigung sämtlicher Ansprüche des Lieferers aus der Geschäftsverbindung behält sich der Lieferer das Eigentumsrecht an allen verkauften Waren vor. Der Eigentumsvorbehalt des Lieferers erlischt auch nicht im Falle des Wiederverkaufs oder der Verarbeitung oder der Vermischung bzw. Verbindung der vom Lieferer gelieferten Waren mit anderen Gegenständen. Der Besteller tritt dem Lieferer in diesem Falle bei Auftragserteilung schon im voraus das Eigentums- oder Miteigentumsrecht an den wiederverkauften bzw. vermischten Gegenständen bis zur endgültigen

Bezahlung der darauf lastenden Forderungen des Lieferers ab. Eigentumserwerb des Bestellers gemäß § 950 BGB wird ausgeschlossen, da der Besteller bis zur restlosen Bezahlung alles Material lediglich für den Lieferer verwahrt und verpflichtet ist, die Ware mit der Sorgfalt eines ordentlichen Kaufmannes vor Verderb durch unsachgemäße Lagerung, Diebstahl und anderen Schäden zu bewahren. Pfändungen und sonstige Beeinträchtigungen des Eigentums des Lieferers sind dem Lieferer sofort anzuzeigen. Die Ware darf bis zur vollständigen Bezahlung ohne schriftliche Zustimmung des Lieferers weder verpfändet noch sicherungshalber übereignet werden. Erfolgt Weiterveräußerung, und zwar gleichgültig, ob unbearbeitet oder be- und / oder verarbeitet, vor der vollständigen Bezahlung, so darf dies nur unter Eigentumsvorbehalt erfolgen. Auf jeden Fall gilt als vereinbart, dass mit der Weiterveräußerung alle Ansprüche des Bestellers gegen seine Abnehmer, insbesondere auf Zahlung des Kaufpreises, an den Lieferer abgetreten sind. Der Lieferer verpflichtet sich, die ihm zustehenden Sicherheiten auf Verlangen des Bestellers insoweit freizugeben, als der realisierbare Wert der Sicherheiten des Lieferanten die zu sichernden Forderungen um mehr als 20% übersteigt. Die Auswahl der freizugebenden Sicherheiten obliegt dem Lieferer. Der Lieferer ist jederzeit berechtigt, die Herausgabe der ihm gehörenden Erzeugnisse zu verlangen. Macht der Lieferer von diesem Recht Gebrauch, so liegt nur dann ein Rücktritt vom Vertrag vor, wenn der Lieferer dies ausdrücklich erklärt. Alle Kosten der Rückgabe sowie etwaiger Behebung von Beschädigungen auf Grund mangelnder Verwahrung durch den Besteller hat dieser zu tragen.

VIII. Haftung für Mängel der Lieferung. Der Lieferer leistet Gewähr für zugesicherte Eigenschaften und für Fehlerfreiheit entsprechend dem jeweiligen Stand der Technik. Die Gewährleistung beträgt 12 Monate ab Lieferung für den gewerblichen Gebrauch. Ausgenommen hiervon sind Verschleißteile, für die keine Gewährleistung übernommen wird. Weiter sind von der hiermit zugesicherten Gewährleistung ausgenommen, elektronische Baugruppen und Geräte mit elektronischen Komponenten, wenn für diese eine gesonderte, gesetzliche Gewährleistungspflicht gilt. Ein Anspruch auf Wandlung oder Minderung besteht nicht, es sei denn, dass der Lieferer auch nach 2-maligen Ausbesserungsversuchen nicht in der Lage ist, den Mangel zu beheben. Beanstandungen werden nur berücksichtigt, wenn sie innerhalb 8 Tagen nach Empfang der Ware erhoben werden. Gewährleistungsansprüche werden nur anerkannt, wenn sie unverzüglich nach Feststellung des Mangels angezeigt werden. Ersatz erfolgt nach Wahl des Lieferers, entweder durch Instandsetzung oder Neulieferung oder durch Gutschrift des entsprechenden Betrages. Dem Lieferer ist es freigestellt, die Instandsetzung bei dem Besteller selbst vorzunehmen oder im eigenen Werk. Bei Vornahme der Instandsetzung im eigenen Werk kann der Lieferer auf frachtfreier Rücksendung des Liefergegenstandes bestehen. Durch Instandsetzung oder Ersatzlieferung wird die Gewährleistungspflicht nicht verlängert oder erneuert. Teile für die Ersatz geleistet wird, werden Eigentum des Lieferers. Für fertige Zulieferungsteile aus Spezialfabrikationen (Durchlaufzähler, Motoren, elektrische Schaltgeräte, Manometer, Schläuche u.a.) übt der Lieferer Gewährleistung im Rahmen der Garantiebestimmungen seiner Lieferanten. Das Recht des Bestellers, Ansprüche aus Mängeln geltend zu machen, verjährt in allen Fällen vom Zeitpunkt der rechtzeitigen Rüge an in 6 Monaten, frühestens jedoch mit Ablauf der Gewährleistungspflicht.

Es wird keine Gewähr übernommen für Schäden, die aus nachstehenden Gründen entstanden sind: Ungeeignete oder unsachgemäße Verwendung, fehlerhafte Montage bzw. Inbetriebsetzung durch den Besteller oder Dritte, natürliche Abnutzung, fehlerhafte oder nachlässige Behandlung - insbesondere übermäßige Beanspruchung -, ungeeignete Betriebsmittel, Austauschwerkstoffe, mangelhafte Bauarbeiten, ungeeigneter Baugrund, chemische, elektrochemische oder elektrische Einflüsse, sofern sie nicht auf ein Verschulden des Lieferers zurückzuführen sind. Von der Haftung des Lieferers ausgeschlossen sind weiterhin Lieferteile, die infolge ihrer stofflichen Beschaffenheit oder nach Art ihrer Verwendung einem vorzeitigen Verschleiß unterliegen, wie Dichtungen, Packungen, Federn, Manometer, Teile aus Gummi oder Kunststoff, Kugellager usw. Zur Vornahme aller dem Lieferer nach billigem Ermessen notwendig erscheinenden Ausbesserungen und Ersatzlieferungen hat der Besteller nach Verständigung mit dem Lieferer die erforderliche Zeit und Gelegenheit zu geben, sonst ist der Lieferer von der Mängelhaftung befreit. Der Lieferer kann die Beseitigung von Mängeln verweigern, solange der Besteller seine Verpflichtungen nicht erfüllt. Durch etwa seitens des Bestellers oder Dritter unsachgemäß ohne vorherige Genehmigung des Lieferers vorgenommene Änderungen oder Instandsetzungsarbeiten wird die Haftung für die daraus entstehenden Folgen aufgehoben. Weitere Ansprüche des Bestellers, oder eines Dritten, insbesondere ein Anspruch auf Ersatz von Schäden, die nicht an dem Liefergegenstand selbst entstanden sind, bestehen nicht.

Ansprüche des Kunden auf Schadensersatz sind ausgeschlossen. Hiervon ausgenommen sind Schäden aus der Verletzung des Lebens, des Körpers oder der Gesundheit, wenn der Lieferer die Pflichtverletzung zu vertreten hat und sonstige Schäden, die auf einer vorsätzlichen oder grob fahrlässigen Pflichtverletzung des Lieferers beruhen. Einer Pflichtverletzung des Lieferers stehen solche seiner gesetzlichen Vertreter oder Erfüllungsgehilfen gleich.

IX. Gerichtsstand / Rechtswahl. Erfüllungsort für Lieferung und Zahlung (auch bei Wechseln) ist Darmstadt. Als Gerichtsstand gilt das jeweils sachlich zuständige Gericht in Darmstadt als örtlich vereinbart. Der Lieferer ist auch berechtigt, am Hauptsitz des Bestellers zu klagen. Es gilt deutsches Recht. Die Anwendung UN-Kaufrechts und des (internationalen) Kollisionsrechts ist ausgeschlossen.

X. Gültigkeit. Mit diesen allgemeinen Geschäftsbedingungen verlieren vorherige Liefer- und Zahlungsbedingungen ihre Gültigkeit. Lieferungen und Leistungen vor dem Datum dieser Liefer- und Zahlungsbedingungen unterliegen der jeweils gültigen Fassung zum Zeitpunkt der Lieferung.

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