



**ORION**<sup>®</sup>

Alentec & Orion AB SWEDEN

**WE PROVIDE  
SOLUTIONS**

# Garage

## Monitoring Systems



## Hose Reels



## Hose End Controls



## Accessories



## Mobile Units



## Waste Oil Equipment



## Service Stands & Towers



## Pumps

## **“We are in the frontline of lubrication equipment development”**

Alentec & Orion AB develop, manufacture and market equipment and services in pumping, measuring and dosing to the automotive and general industry.

The product range consists of a wide range of stationary, mobile and portable pumps with accessories for; filling- dosing- control- and waste oil handling.

Hose reels and systems for exhaust and welding smoke extraction are also in our range.

Orion is an international company with headquarters in Sweden. We are represented in more than 70 countries in the world and are expanding rapidly. Orion companies in United Kingdom, Belgium and France together with an extensive distributor base are supporting the market.



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**Spare Parts [www.alentec.com](http://www.alentec.com)**

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110	24	12213	15	14527	26	18201	24	21230	42
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127	24	12225	15	14536	20	18340	12	21232	42
129	24	12230	15	14538	20	18370	12	21232	77
143	24	12233	15	14560	21	18400	12	21235	42
171	24	12234	16	14565	21	18440	12	21300	77
185	24	12235	16	14612	14	18470	12	21500	40
208	24	12305	15	14612	106	18507	25	21503	40
211	24	12325	15	14615	14	18542	25	21504	38
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511	23	12650	10	14710	107	18565	26	21578	39
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584	23	12830	11	15125	13	18575	26	21610	79
1697	23	12831	11	15125	96	18576	11	21613	43
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# 1 Grease

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## Air Operated Grease Pumps

### Grease Pump, Pressure Ratio 60:1

Air operated grease pump. For both mobile and fixed installations. Bung adapter G 2" included.

Pump tube length	For drum	Total length
450 mm (effective 420 mm*)	12-20 kg	700 mm
750 mm (effective 720 mm*)	50 kg	1.000 mm
930 mm (effective 900 mm*)	180 kg	1.180 mm

\* The bung adapter uses 30 mm of total pump tube length.

#### Technical data

<b>Pressure ratio</b>	60:1
<b>Air motor</b>	Diameter: Ø 80 mm Height: 270 mm Stroke length: approx. 100 mm
<b>Capacity</b>	1.000 g/min. free flow, air pressure 0,7 MPa, NLGI 2, 20 °C, 600 g/min. through 10 m 1/4"-hose and grease gun (14612) in normal conditions 150 l/min.
<b>Air Consumption</b>	
<b>Air Pressure</b>	Max 1 MPa (10 bar)
<b>Pump tube</b>	Ø 30 mm
<b>Connections</b>	Air: G 1/4" (f) Grease: Outlet G 3/8" (f)

### Divorced Grease Pumps 60:1

Air operated grease pump with separated air motor from the pump tube. Avoids "sticky" grease to enter into the air motor. For both mobile and fixed installations. Bung adapter G 2" included.

Pump tube length	For drum	Total length	Pump tube
450 mm (effective 420 mm*)	12-20 kg	890 mm	Ø 30 mm
750 mm (effective 720 mm*)	50 kg	1.190 mm	Ø 30 mm
930 mm (effective 900 mm*)	180 kg	1.370 mm	Ø 30 mm

\* The bung adapter uses 30 mm of total pump tube length.

#### Technical data

<b>Pressure ratio</b>	12650, 12651, 12652: 60:1
<b>Air motor</b>	Diameter: Ø 80 mm. Height: 270 mm Stroke length: approx. 100 mm
<b>Capacity</b>	60:1: 1.000 g/min. free flow, air pressure 0,7 MPa, NLGI 2, 20 °C, 600 g/min. through 10 m 1/4"-hose and grease gun (14612)
<b>Air Consumption</b>	in normal conditions 150 l/min.
<b>Air Pressure</b>	Max 1 MPa (10 bar)
<b>Connections</b>	Air: G 1/4" (f) Grease: Outlet G 3/8" (f)

*For pumps with divorced air motor we recommend to use lubricator.*

### Grease Pump, Pressure Ratio 80:1

Air operated grease pump. Bung adapter G 2" included.

Pump tube length	For drum	Total length
450 mm (effective 420 mm*)	12-20 kg	700 mm
750 mm (effective 720 mm*)	50 kg	1.000 mm
930 mm (effective 900 mm*)	180 kg	1.180 mm

\* The bung adapter uses 30 mm of total pump tube length.

#### Technical data

<b>Pressure ratio</b>	80:1
<b>Air motor</b>	Diameter: Ø 80 mm Height: 270 mm Stroke length: approx. 100 mm
<b>Capacity</b>	730 g/min. free flow, air pressure 0,7 MPa, NLGI 2, 20 °C, 450 g/min. through 10 m 1/4"-hose and grease gun (14612) in normal conditions 150 l/min.
<b>Air Consumption</b>	
<b>Air Pressure</b>	Max 0,7 MPa (7 bar)
<b>Pump tube</b>	Ø 30 mm
<b>Connections</b>	Air: G 1/4" (f) Grease: Outlet G 3/8" (f)

#### Part No

12752



**12750**  
**12751**  
**12752**

12652



**12650**  
**12651**  
**12652**

12757



**12755**  
**12756**  
**12757**

## Air Operated Pump and Accessories

### Heavy Duty Grease Pumps (4 1/2" air motor)

High capacity heavy duty grease pump for simultaneous fluid distribution to multiple dispense points, or for pumping long distances (up to 100m).

Pressure ratio	Pump tube length	Pump type	Total length
25:1	855 mm	185 kg	1.357 mm
40:1	490 mm	Bulk stub*	992 mm
40:1	855 mm	185 kg	1.357 mm
40:1	650 mm	50 kg	1.152 mm
70:1	855 mm	185 kg	1.357 mm
70:1	650 mm	50 kg	1.152 mm
70:1	490 mm	Bulk stub*	992 mm

\* 3" Cam lock adapter included

<b>Air motor</b>	4 1/2" (115 mm)
<b>Capacity</b>	Ratio 25:1 - 16 kg/min (free flow, NLGI-0) Ratio 40:1 - 11 kg/min (free flow, NLGI-2) Ratio 70:1 - 7,5 kg/min (free flow, NLGI-2)
<b>Air pressure</b>	Ratio 25:1 and 40:1 - Max 1,4 MPa (14 bar) Ratio 70:1 - Max 0,7 MPa (7 bar)
<b>Connections</b>	Air: G 1/2" BSP (f)      Grease: 1/2" BSP (f)

Heavy duty pumps should be used together with Pump Ram system, see pg 10.

Part No

12825  
12820  
12822  
12821  
12832  
12831  
12830

12822



### Heavy Duty Grease Pumps (6" air motor)

High capacity heavy duty grease pump for simultaneous fluid distribution to multiple dispense points, or for pumping large distances (up to 100m).

Pressure ratio	Pump tube length	Pump type	Total length
12:1	226 mm	Bulk stub*	742 mm
80:1	855 mm	185 kg	1.371 mm
80:1	650 mm	50 kg	1.166 mm

\* 3" Cam lock adapter included

<b>Technical data</b>	
<b>Air motor</b>	6" (150 mm)
<b>Capacity</b>	Ratio 12:1 - 40 kg/min (free flow, NLGI-2) Ratio 80:1 - 8 kg/min (free flow, NLGI-2)
<b>Air pressure</b>	Max 0,7 MPa (7 bar)
<b>Connections</b>	Air: G 1/2" BSP (f)      Grease: 1/2" BSP (f)

Heavy duty pumps should be used together with Pump Ram system, see pg 10.

12840  
12842  
12841

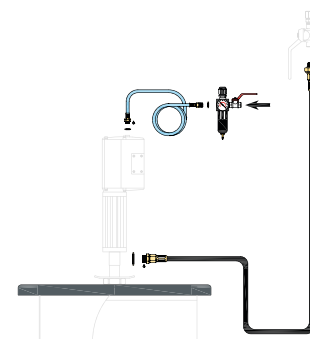
12842



### Installation Kit for Pump in Drums

Includes all the necessary components to install an air operated grease pump in a drum and connect to the air supply and distribution pipework. (Pump and follower plate not included).

Information:	For pump	
Air line hose 1/4" L= 1,5 m, Grease line hose 3/8" L= 1,5 m		
For 180 kgs drum incl. FRL unit	126- & 127-series	99601
For 50-60 kgs drum incl. FRL unit	126- & 127-series	99602
For 20 kgs drum incl. FRL unit	126- & 127-series	99604
Air line hose 1/2" L= 1,5 m, Grease line hose 1/2" L= 4,0 m		
For 180 kgs drum incl. FRL unit	128-series	99611
For 50-60 kgs drum incl. FRL unit	128-series	99612



### Follower Plates

Eliminate cavitation and help pump priming. Rubber flange minimises waste by wiping the inner drum wall. Can be used with pump tube diameters 26-42 mm.

Drum size	Fits drum with inner diameter	
12,5 kg	230 - 260 mm	18569
18-20 kg	265 - 290 mm	18570
50 kg	300 - 330 mm	18575
50 kg	340 - 360 mm	18571
50 kg	360 - 395 mm	18572
180 kg	560 - 590 mm	18573
50 kg	330 - 370 mm (only for Heavy Duty pumps)	18576
50 kg	360 - 405 mm (only for Heavy Duty pumps)	18577
180 kg	550 - 590 mm (only for Heavy Duty pumps)	18578



## Pump Ram Systems

### Two Post Ram

Function like a lift, but also exert downward force. Ram air cylinders push pump and follower plate into the fluid. Rams feature two-posts that exert downward force on pump to maintain prime. Ram also lifts pump to ease change over of empty fluid containers. Kit includes pump, follower plate and ram.

#### Measurements

Base - 39" (830 mm) x 24" (600 mm)

Raised Height - (2.230 mm)

Lowered Position Height - (1.320 mm)

#### Description

Two Post Ram without pump

Two Post Ram with pump 12821

Two Post Ram with pump 12831

#### Part No

18310



18300

18340

18370

### Single Post Ram

Gravity assisted pump ram, the weight of the pump and accessories create a pressure on the grease and aiding pump prime. Ram also lifts pump to ease change over of empty fluid containers. Kit includes pump, follower plate and ram.

#### Measurements

Raised Height - (2.620 mm)

Lowered Position Height - (1.620 mm)

#### Description

Single Post Ram without pump (185 kg)

Single Post Ram with pump 12822

Single Post Ram with pump 12832

18400



18400

18440

18470

### Pump Hoist

Pump hoist for Heavy Duty Pumps, making drum changes faster, easier and safer. The risk of contaminants from the pump being placed on the floor during drum changes is eliminated. The arm can swing freely serving up to three pumps. Only for Heavy Duty Pumps with eye bolt.

#### Measurements

Raised Height - (2.620 mm)

Lowered Position Height - (1.620 mm)

#### Description

Pump Hoist

18305



### Pump Ram for Sticky Grease 12-20 kg

Mobile unit designed for use with hard to pump, sticky and high viscosity greases up to NLGI3. A pneumatic piston elevates the pump for replacing an empty pail. The pneumatic piston also pushes down when the pump is in use.

#### Description

Pump Ram with pump 12651

18200



## Series ORK, ORM

Open hose reel with a steel braided hydraulic hose, fitted with swaged couplings.

	Length	Diameter	Conn.threads	Work pressure		
	m	mm-inch		MPa	bar	
Series ORK	10	6,3 - 1/4"	G1/4" (f)	40	400	15112
Series ORM	15	10 - 3/8"	In G3/8" (f) Out G1/4" (m)	40	400	15125

## Series ORS

Open single arm hose reel made in aluminium with a steel braided hydraulic hose, fitted with swaged couplings.

	Length	Diameter	Conn.threads	Work pressure		
	m	mm-inch		MPa	bar	
Series ORS	10	6,3 - 1/4"	G1/4" (f)	35	350	15212
Series ORS	15	10 - 3/8"	In G3/8" (f) Out G1/4" (m)	35	350	15225

## Series OR

Open hose reel with steel braided hydraulic hose, fitted with swaged couplings.

	Length	Diameter	Conn.threads	Work pressure		
	m	mm-inch		MPa	bar	
Series OR	15	10 - 3/8"	G3/8" (f)	40	400	15325

## Series LOR

Open hose reel with steel braided, oil resistant rubber hose.

	Length	Diameter	Conn.threads	Work pressure		
	m	mm-inch		MPa	bar	
Series LOR	25	10 - 3/8"	G3/8" (f)	40	400	15527

## Series ORL

Heavy duty open hose reel with steel braided rubber hose, fitted with swaged couplings.

	Length	Diameter	Conn. threads	Working Pressure		
	m	mm-inch		MPa	bar	
Series ORL	20	12,5 - 1/2"	G1/2" (f)	24	240	15436

## Series CRO

A medium sized enclosed hose reel. The hose reel can be mounted on the ceiling, the wall or the floor. The wall bracket can easily be moved to fit other installations.

	Length	Diameter	Conn.threads	Work pressure		
	m	mm-inch		MPa	bar	
Series CRO	10	6,3 - 1/4"	G1/4" (f)	35	350	16212
Series CRO	15	10 - 3/8"	In G3/8" (f) Out G1/4" (f)	35	350	16225

## Series CRK

A medium sized enclosed hose reel. The hose reel can be mounted on the ceiling, the wall or the floor. The wall bracket can easily be moved to fit other installations.

	Length	Diameter	Conn.threads	Work pressure		
	m	mm-inch		MPa	bar	
Series CRK	10	6,3 - 1/4"	G1/4" (f)	35	350	16412
Series CRK	15	10 - 3/8"	In G3/8" (f) Out G1/4" (f)	35	350	16425

More information, see the Hose reel section!

Part No



# Grease Control Valves and Accessories

## Grease Control Valve

Control valve with outlet tube and hydraulic nozzle, PN 50 MPa (500 bar).

Description	Conn. thread	Max .pressure
Grease control valve	G1/4" (f)	50 MPa (500 bar)
Grease control valve w. Z-swivel	G1/4" (f)	50 MPa (500 bar)
Grease control valve w. Z-swivel & hose (450mm)	G1/4" (f)	50 MPa (500 bar)

*Note! Adapter 25102032 is required when used with a 3/8" hose reel.*

Part No

14612



14612

14615

99600

14615



99600



## Grease Control Valves - High Pressure

Pressure can be increased to 80 MPa (800 bar) by pumping the handle.

Description	Conn. thread	Max connection pressure
Grease control valve inlet filter and release valve included	G1/4" (m)	50 MPa (500 bar)
Grease control valve	G1/8" (f)	50 MPa (500 bar)

*Note! Do not use with outlet hose.*

14625

14626

14625



14626



## Grease Meter

Digital grease meter, equipped with current dispense display and resettable and non-resettable totalisors. Digital display powered by two 1,5 V AAA batteries.

Max working pressure 50 MPa (500 bar).

Max flow 2.000 gr/min.

Accuracy +/- 3 %.

Description	Conn. thread	Max .pressure
Meter with control valve	G1/4"(f)	50 MPa (500 bar)
In-line meter	G1/8"(f)	50 MPa (500 bar)

14720

14710



14710



## Swivels for Grease

Makes it possible to handle grease hoses with ease even at high pressure. For best results use a straight swivel between pump and distribution hose and a Z-swivel between hose and grease control valve.

Description	Conn. threads	Max. pressure
Straight swivel	G1/4"(m) - G1/4"(f)	50 MPa (500 bar)
Z-swivel	G1/4"(m) - G1/4"(f)	50 MPa (500 bar)
Z-swivel	1/4" NPT(m) - 1/2"-27(m)	50 MPa (500 bar)
Z-swivel	G1/8"(m) - G1/4"(f)	50 MPa (500 bar)

18070

18071

18072

18073

18070

18072



18071/18073





### Mobile Grease Pumps for 12 to 180 kg Drums

Consisting of pump (pressure ratio 60:1 or 80:1), 1/4" quick coupling, drum lid, grease hose, z-swivel and grease control valve.

With 60:1 grease pump capacity appr. 1.000 g/min.

Description	For container	Hose length	Trolley
Grease pump, Portable	12-20 kg	2 m	-
Grease pump with trolley	12-20 kg	2 m	28528
Grease pump with trolley	50 kg	3 m	28528
Grease pump with trolley	50 kg	3 m	28526
Grease pump with trolley	180 kg	3 m	28667
Grease pump with trolley	180 kg	3 m	28645
Grease pump with trolley	180 kg	Hose Reel	28645

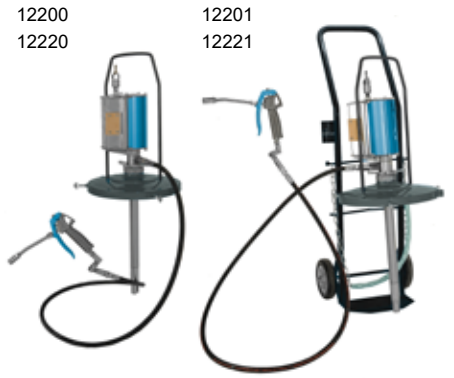
With 80:1 grease pump capacity appr. 730 g/min.

Description	For container	Hose length	Trolley
Grease pump, Portable	12-20 kg	2 m	-
Grease pump with trolley	12-20 kg	2 m	28528
Grease pump with trolley	50 kg	3 m	28528
Grease pump with trolley	50 kg	3 m	28526
Grease pump with trolley	180 kg	3 m	28646
Grease pump with trolley	180 kg	3 m	28645

**Note! Follower plate ordered separately.**

#### Part No

12200  
12201  
12205  
12305  
12210  
12213  
12214



12220  
12221  
12225  
12325  
12230  
12233



### Mobile Pump for Chassis Lube

Complete unit for 180 kg drum. Consisting of pump 22762, pressure ratio 15:1, 1/2"-hose (4 m) with quick coupling for transferring grease to vehicle chassis lube containers. Delivered with trolley for 180 kg drum 28645, drum cover 18542 and follower plate 18572

Description	Dimension
Chassis lube unit	450 x 620 x 1.200 mm

22057



## Mobile Grease Pumps

### Mobile Grease Pumps for 12-20 kg and 50 kg Drums

Consisting of a pump (pressure ratio 55:1) capacity approx. 600 g/minute, 1/4" quick coupling, drum lid, grease hose, z-swivel and grease control valve.

Description	For container	Hose length
Grease pump (55:1)	12-20 kg	(Pump only)
Grease pump (55:1)	50 kg	(Pump only)
Grease pump (55:1)	180 kg	(Pump only)

Grease pump, Portable	12- 20 kg	2 m
Grease pump with trolley	12-20 kg	2 m

Grease pump with trolley	50 kg	3 m
--------------------------	-------	-----

Grease pump "De-Luxe"	12-20 kg	2 m
Grease pump "De-Luxe"	50 kg	3 m

Description	For	Dimension
Empty inner container 50 kg drum	12135	Ø 365 x 680 mm
Empty inner container 20 kg drum	12134	Ø 295 x 375 mm

**Note! Follower plate ordered separately.**

Part No

12130

12121



12540

12541

12542

12130

12121

12131

12134

12135

12134

12131



2345386

1825106

### Mobile Grease Pumps, "De-Luxe", for 12-20 kg and 50 kg Drums

Consists of a pump fitted to the lid of a protective container, incl. air coupling, grease hose, z-swivel and grease control valve. The container is mounted on a trolley fitted with four wheels.

With 60:1 grease pump capacity appr. 1.000 g/min.

Description	For container	Hose length
Grease pump "De-Luxe"	12- 20 kg	2 m
Grease pump "De-Luxe"	50 kg	3 m

Description	For	Dimension
Empty inner container 50 kg drum	12235	Ø 365 x 680 mm
Empty inner container 20 kg drum	12234	Ø 295 x 375 mm

**Note! Follower plate ordered separately.**

12235

12234



12234

12235

2345386

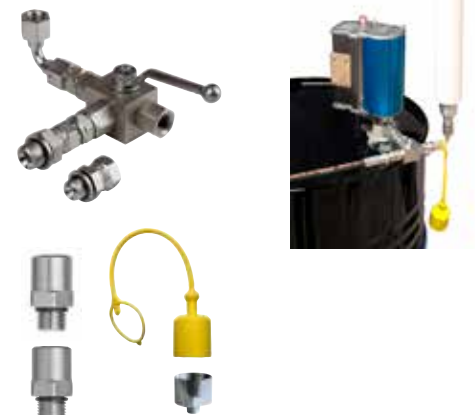
1825106

### Filler kit for Screw-in type cartridges and Lever Grease guns

Adapter kit to use a single grease pump for normal greasing using a grease hose and grease control valve, as well as filling up screw-in type cartridges and grease guns directly using loader nipples. Includes adapter for screw-in type cartridges, dust cover and loader nipples. Empty cartridges sold separately.

Description
Filler kit for screw-in type cartridges
Empty screw-in cartridge

SPEC1201



SPEC1201

1315630

### Portable Grease Pump

Portable grease pump, complete with hose and hydraulic coupling.

Description	Volume	Gram/Stroke	Max pressure	Dimension (L x W x H)	Weight (appr.)	Part No
Portable pump Round container	16 kg	7,5	15 MPa (150 bar)	490 x 240 x 630 mm	7,3 kg	<b>11027</b>
Portable pump Oval container	16 kg	*	35 MPa (350 bar)	380 x 170 x 620 mm	9,15 kg	<b>11028</b>
Portable pump OriCan container	16 kg	30	15 MPa (150 bar)	490 x 240 x 639 mm	7,3 kg	<b>11639</b>

\*Adjustable between a flow of 10, 15 or 20 gr/stroke.



### High Pressure Grease Pump

Pump mounts directly to a standard grease drum. Handle, drum lid, high pressure hose, outlet tube and hydraulic coupling included.

Description	Capacity	Max pressure	Diameter (drum lid)	Part No
High pressure pump	2gr/stroke	35 MPa (350 bar)	Ø 265-310 mm	<b>11116</b>
High pressure pump	2gr/stroke	35 MPa (350 bar)	Ø 285-330 mm	<b>11118</b>



### Foot Grease Pump

Heavy duty, durable and dense. Grease hose (1,5 metres) and hydraulic nozzle included.

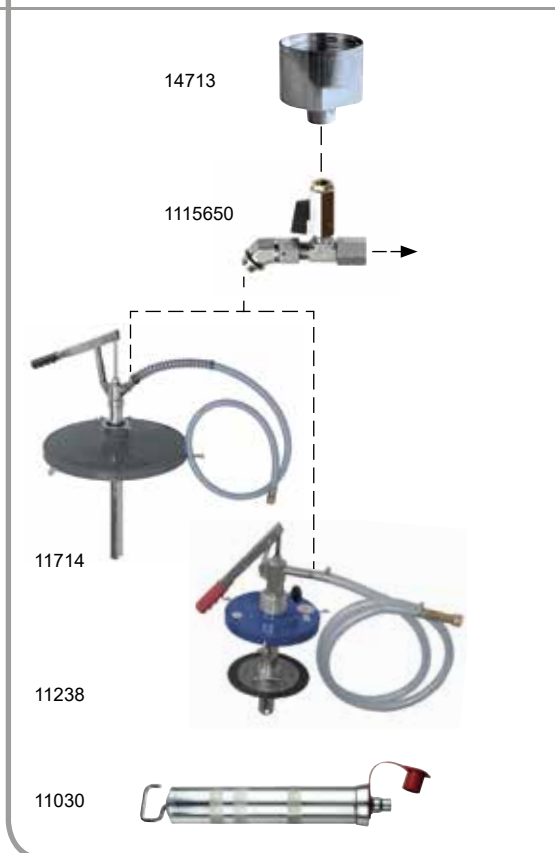
Description	Volume	Max pressure	Capacity	Part No
Foot Pump	5 kg	50 MPa (500 bar)	2 gr/stroke	<b>11310</b>



### Grease Reservoir Filler Pump

Medium pressure pump with 1,5 m hose for centralised grease reservoir filling. Quick connectors ordered separately.

Description	Drum lid	Part No
Filler Pump for 5 kg drums	Ø 160-212 mm	<b>11238</b>
Filler Pump for 15-18 kg drums	Ø 240-300 mm	<b>11237</b>
Filler Pump for 25 kg drums	Ø 285-335 mm	<b>11239</b>
Filler Pump for 50 kg drums	Ø 365-415 mm	<b>11236</b>
Filler Pump for 12 - 18 kg drums	Ø 265-310 mm	<b>11713</b>
Filler Pump for 20 kg drums	Ø 285-330 mm	<b>11714</b>
Filler Pump for 50 kg drums	Ø 350-395 mm	<b>11715</b>
T-adapter connection kit for Filler pumps		<b>1115650</b>
Filling adapter for screw-in type cartridges		<b>14713</b>
Quick coupling		<b>55500306</b>
Quick nipples		<b>55500206</b>
Filler pump for 400/500g cartridges		<b>11030</b>
Adapter for 11030 M20 x 1,5 (m)		<b>1315660</b>
Adapter for 11030 M22 x 1,5 (m)		<b>1315661</b>

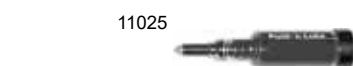


## Hand Operated Grease Pumps

### Hand Operated Grease Pump

Simple hand pump. The nozzle is pressed against the fitting. Made of zinc coated steel with plastic lid. Max. pressure 25 MPa (250 bar), capacity 0,6 cm<sup>3</sup>/stroke.

Volume	Dimension	Type of nozzle	Part No
60 cm <sup>3</sup>	Ø 30 x 115 mm	Funnel/hydraulic nozzle	11001
60 cm <sup>3</sup>	Ø 30 x 115 mm	Pointed nozzle	11002
150 cm <sup>3</sup>	Ø 40 x 240 mm	Funnel nozzle	11003
150 cm <sup>3</sup>	Ø 40 x 240 mm	Pointed nozzle	11004
150 cm <sup>3</sup>	Ø 40 x 240 mm	Hydraulic nozzle	11005
60 cm <sup>3</sup>	Ø 30 x 115 mm (plastic)	Funnel/hydraulic nozzle	11025



Filled with a universal grease.

### Lever Grease Pump

For use either with bulk grease (filled by hand or by loader pump) or the international 400 g lubricant cartridge, Ø 53 x 237 mm. Outlet tube with hydraulic coupling included.

Description	Capacity	Max.pressure	Part No
<b>Standard</b>	<b>0,8 g/stroke</b>	<b>350 bar</b>	
Lever grease pump, basic version			11205
11205 with 200 mm grease hose - part.no 14042			1120510
11205 with 300 mm grease hose - part.no 14043			1120520
11205 with 450 mm grease hose - part.no 14044			1120530
Grease pump with 1000 cm <sup>3</sup> container			11214
Adapter and tube for screw-in type cartridge			14726
Empty screw-in cartridge			1315630
<b>Lever Grease Pump, Industry</b>	<b>0,8 g/stroke</b>	<b>700 bar</b>	
Lever grease pump with bleeder nipple and hydraulic coupling			11210
11210 with 300 mm grease hose (part.no 14043).			1121020
<b>Lever Grease Pump 750, Heavy duty</b>	<b>0,8 g/stroke</b>	<b>750 bar</b>	
Lever grease pump with a comfortable handle, bleeder nipple, hose and hydraulic coupling. Delivered in a stylish box.			11750
<b>Lever Grease Pump "Speedy Grease" with magnet. (not for bulk grease)</b>	<b>2,5 g/stroke</b>	<b>800 bar</b>	
Lever grease pump with hose, fitting and followers.			11207
Follower 24 pcs			1315625
Adapter for screw tube			1315627
<b>Lever Grease Pump, Professional Duty</b>	<b>1,3 g/stroke</b>	<b>700 bar</b>	
Lever grease pump with bleeder nipple and hydraulic coupling			11220
Adapter and tube for screw-in type cartridge			14727
<b>Lever Grease Pump, Extra Heavy Duty</b>	<b>1,1 or 1,7 g/stroke</b>	<b>700 bar</b>	
Lever grease pump with bleeder nipple and hydraulic coupling			11230



*We also have lever grease guns for extreme applications, contact us for further information.*

# Hand and Air operated Grease Pumps

## Lever Grease Pump (Single hand operation)

Grease gun, operated by one hand, for use with either bulk grease (filled by hand or by loader pump) or the international 400 g lubricant cartridge, Ø 53 x 237 mm (Ø 2 3/32" x 9 1/3"). Outlet tube with hydraulic coupling (4 jaws, Ø 14 mm) included.

Model	Capacity approx.	Max pressure
Standard	0,7g/stroke (NLGI 2)	45,5 MPa (455 bar)
Industry	0,8 g/stroke (NLGI 2)	45,5 MPa (455 bar)

Part No

11226  
11225



## Air Operated Grease Pump

Air operated grease gun complete with air bleeder valve and connection thread for loader fitting (part No 18002), outlet with nozzle (4 jaws, Ø14 mm). Each operation of the trigger delivers approx. 1,3 g of grease. Pressure ratio 60:1.

Description	Max air pressure	Follower	Outlet	Capacity (approx.)
Air operated grease pump	1 MPa (10 bar, 150 psi)	Spring	Hose	500 cm <sup>3</sup>
Air operated grease pump	1 MPa (10 bar, 150 psi)	Air driven	Hose	1.000 cm <sup>3</sup>

12517

12527



## Grease Outlet Hoses

High pressure hose, 4 mm i.d. Nitrile rubber with one Polyester braid PN 40 MPa (400 bar) and swaged couplings.

Description	Hose length	Connection thread
Outlet hose	200 mm	G 1/8" (male male)
Outlet hose	300 mm	G 1/8" (male-male)
Outlet hose	450 mm	G 1/8" (male-male)
Outlet hose with relief valve		
Outlet hose	1.000 mm	G 1/8" (male-male)
Outlet hose	2.500 mm	G 1/8" (male-male)
Adapter (0105-2)	-	G 1/8" (female-female)

14042  
14043  
14044  
14044AVLAST  
14047  
14052  
25101915



## Loader Pump for Grease Pumps

For loading bulk grease into lever and air operated grease guns. Capacity 50 gr/stroke. Included loader nipples for Ø 9 and Ø 12 mm.

### Description

Loader Pump for 12 - 18 kg drums (265- 310 mm)  
Loader Pump for 20 kg drums (285-330 mm)  
Loader Pump for 50 kg drums (350-395 mm)

Filling adapter for screw-in type cartridges  
Empty screw-in cartridge  
Dust cover for 14713

11710  
11711  
11712

14713  
1315630  
1315656



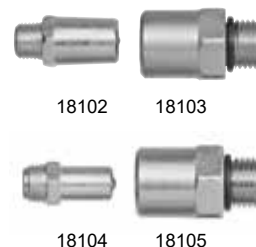
## Loader Nipple

For loading bulk grease into 11200 and 12500-series pumps with a loader pump.

Description	Connection thread
<b>Size Ø 12 mm</b>	
Loader nipple for lever pumps	G 1/8"(m)
Loader valve for the loader pump, to be used with nipple 18102	G 1/4"(m)
<b>Size Ø 9 mm</b>	
Loader nipple for lever pumps	G 1/8"(m)
Loader valve for the loader pump, to be used with nipple 18104	G 1/4"(m)

18102  
18103

18104  
18105



## Cordless Grease Pumps

### Adapter for concertina cartridge

Color	Fits
Gray	13517
Red	11220, 11230, 11225
Aluminium	11207
Red	13507, 13523, 13524, 13526, 13527

#### Part No

14534  
14535  
14536  
14538



### 14,4 Volt Cordless Grease Pump, Li-Ion Battery

For use with either bulk grease (filled by hand or by loader pump) or the international 400 g lubricant cartridge, Ø 53 x 237 mm. High pressure delivery up to 69 MPa (690 bar) and 160 gr/min., has a capacity to deliver 17 cartridges per battery charge. Supplied with one Li-Ion high-capacity 14.4 V battery, fast charger, 1 metre high pressure flexible hose with hydraulic coupler, bleeder valve and loader nipple. All delivered in a heavy duty carrying case.

Description	Max capacity	Max Pressure	Weight	
Grease pump	160 gr/min.	69 MPa (690 bar)	2,9 kg	13507



### 18 Volt Cordless Grease Pump, Li-Ion Battery

For use with either bulk grease (filled by hand or by loader pump) or the international 400 g lubricant cartridge, Ø 53 x 237 mm. High pressure delivery up to 45 MPa (450 bar) and 160 gr/min., has a capacity to deliver 5 cartridges per battery charge. Supplied with one high-capacity (Li-Ion) 18 V battery, fast charger, 1 metre high pressure flexible hose with hydraulic coupler, bleeder valve and loader nipple. All delivered in a heavy duty carrying case.

Description	Max capacity	Max Pressure	Weight	
Grease pump	160 gr/min.	45 MPa (450 bar)	6 kg	13517
Extra battery				1355020
230 V Charger				1355022
Adapter and tube for screw-in type cartridge				14726



### Cordless Grease Pump, 20 Volt 2,5Ah Li-Ion Battery

For use with either bulk grease (filled by hand or by loader pump) or the international 400 g lubricant cartridge, Ø 53 x 237 mm. High pressure delivery up to 69 MPa (690 bar) and 113 / 170 gr/min., has a capacity to deliver 15 cartridges per battery charge. Supplied with one Li-Ion high-capacity 20 V battery, fast charger, 1 metre high pressure flexible hose with hydraulic coupler, bleeder valve and loader nipple.

A built in display shows remaining grease level, battery level and how much grease has been dispensed. Built-in LED flashlight.

All delivered in a heavy duty carrying case.

Description	Max capacity	Max Pressure	Weight	
Grease pump	113/170 gr/min.	69 MPa (690 bar)	2,9 kg	13523
Grease pump, as 13523 but with 2 batteries				13524
Grease pump, as 13523 but with 4Ah battery				13526
Grease pump, as 13526 but with 2 batteries				13527
Extra battery 4 Ah				1355050
Battery charger				343299
Adapter and tube for screw-in type cartridge				14727



## Grease Outlet Tube

Grease pump outlet tubes. Connection thread: G1/8" (m).

Description	Diameter	incl nozzle	jaws
Outlet tube only, L=140 mm	Ø 10 mm	-	-
Outlet tube + nozzle, L=140 mm	Ø 15 mm	14512	4 pcs
Outlet tube + nozzle, L=140 mm	Ø 18 mm	14514	3 pcs

Part No

14715  
14517  
14519



## Hydraulic Nozzle

Connection thread on all nozzles G1/8" (f).

Description	Diameter	Jaws	Comment
Hydraulic nozzle	Ø 15 mm	4 st	
Hydraulic nozzle	Ø 15 mm	4 st	Non return valve
Hydraulic nozzle	Ø 18 mm	3 st	
Hydraulic nozzle	Ø 14 mm	3 st	
Hydraulic nozzle, lock-on	Ø 14 mm	-	NPT, Quick release adjustable 360°
Hydraulic nozzle	Ø 18 mm	3 st	
Release valve, for releasing of looked nozzles			
Release valve, for releasing of looked nozzles, Straight			

14512  
14514  
14560  
14565  
14001  
14523  
14528  
14565  
14528



## Slip-Sleeve Connectors

For easy change of different nozzles.

Description	Connection
Slip-Sleeve connector for 14514	G1/8" (m)
Slip-Sleeve connector for 14514	G1/8" (f)
Slip-Sleeve connector for 14514	Ø 10 mm for cardan joints
Slip-Sleeve connector for 14514	90° with nozzle 14512
Slip-Sleeve connector for 14514	90° with nozzle 14514
Slip-Sleeve connector for 14512	Needle 45 mm

14015  
14016  
14017  
14018  
14019  
14070



## Slip-Sleeve, Needle Nozzles

For connection to all hydraulic nozzles.

Description	Needle	Length
Slip-Sleeve Needle nozzle	Ø 6 mm	33 mm
Slip-Sleeve Needle nozzle	Ø 6 mm angel 45°	33 mm
Slip-Sleeve Needle nozzle	Ø 1,5 mm	45 mm
Slip-Sleeve Needle nozzle	Ø 2 mm	45 mm
Kit of all four in a plastic box		

14071  
14072  
14073  
14074  
14076



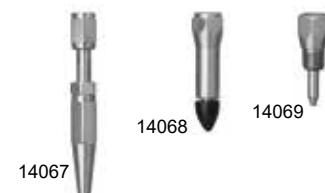
## Needle Nozzles

Connects with G1/8" (f) to a hose or a rigid tube.

### Description

Needle nozzle with protection  
Needle nozzle with rubber tip  
Needle nozzle

14067  
14068  
14069



## Button Head Nozzles

Connects with G1/8" (f) to a hose or a rigid tube.

Description	Nipple head	Height	Sealing
Button Head	Ø 16 mm, 15 mm 6-hex	20 mm	Rubber
Button Head	Ø 16 mm, 15 mm 6-hex	21 mm	Metallic
Button Head	Ø 16 mm, 15 mm 6-hex	22 mm	Rubber
Button Head	Ø 22 mm	28 mm	Rubber
Button Head	Ø 22 mm	44 mm	Rubber
Button Head	Ø 22 mm	21 mm	Metallic

Packing Kit for 14056

14048  
14046  
14055  
14050  
14056  
14057  
398726  
14057  
398726



## The Grease Joint Rejuvenator

### The Grease Joint Rejuvenator

Simply fill the tool with a light oil and with a few taps the joint will open.

The Grease Joint Rejuvenator will allow a clogged grease fitting and / or joint to take on grease by injecting a light viscosity oil into the grease joint via the grease fitting, thus breaking up and removing any dirt, rust or debris. The purpose of this tool is to free up the joint and the fitting enabling them to be greased. When using the tool, be sure to bleed any air out that may be trapped in the tool body. Once the tool is installed onto the grease fitting, only a tapping of the piston is required to open a joint

#### Description

The Heavy Duty Grease Joint Rejuvenator cleans and unclogs grease joints and fittings. Supplied with a 125 mm (5") Flex Hose and a Plastic Storage Box

Replacement nozzle for 11015

#### Part No

11015



11015

14516

### Bearing Packer

This unit removes old grease from the race and cage of roller or ball bearings and re-packs them with fresh grease. Includes a protective cover to keep dirt out when not in use and has mounting holes for attaching it to a workbench.

From Ø 19 - Ø 150 mm bearing size.



11709

### Grease spray unit

Air pressure operated grease spray unit for spraying grease directly from screw type cartridges. The unit delivers a constant quantity as long as the trigger is pulled. Flat or round spray pattern can be adjusted. Includes quick connector that fits Cejn 320 or Tema 1600.

**Applications:** Spraying grease onto chains, wire ropes, open gears, slide ways, telescopic booms, etc.

Description	Working air pressure	Follower	Capacity
Air operated sprayer	3-5 bar	Air driven	400cc screw cartridge

12519





# Hydraulic Grease Fittings

## LUB-Nozzles

Connects with G1/8"(f) to a rigid tube.

### Description

LUB, Zerk  
LUB, Flush

Part No

14005  
14006

14005

14006



## Hydraulic Grease Fittings

Manufactured according to DIN 71412.

Material: Zinc coated steel, hardened head.  
Stainless Steel equivalent to SS 2346 (AISI303)

Principal: Jaws grip the fitting head, metallic seal (rubber on certain models). The nozzle is twisted off the fitting when greasing is complete.

PartNo Straight	Part 45°	Part 90°	Conn.thread (m)	Remark
509F	519F	535F	R1/8"	
509FROSTFRI			R1/8"	Stainless steel
509	519	535	1/8" NPTF	
509ROSTFRI			1/8" NPTF	Stainless steel
1669B			1/8" NPTF	Length under hex., 32 mm
1684B			1/8" NPTF	Length under hex., 54 mm
512	NA5805/1	538	G1/4"	
512ROSTFRI			G1/4"	Stainless steel
515			G3/8"	
504	NA7206	576	M6x1	
504ROSTFRI			M6x1	Stainless steel
1697			M6x1	Length under hex., 19 mm
505	505B	577	M8x1	
505ROSTFRI			M8x1	Stainless steel
507	514B	514	M8x1,25	
580	584	583	M10x1	
580ROSTFRI			M10x1	Stainless steel
516			W1/4"	
511			W3/8"	
513K	547K	525	1/4"-28 SAE-LT	
1698			1/4"-28 SAE-LT	Length under hex., 21 mm
TEC500			Ø 6 mm	Drive fitting
501			Ø 8 mm	Drive fitting
502			Ø 5/16"	Drive fitting



509 / 509F

547K

525

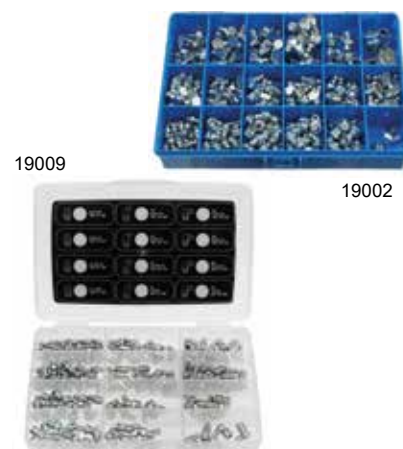
## Grease Fitting Selection

**Kit of 350 fittings** selected from the 17 most commonly used hydraulic fittings. The box is made of crush proof plastic.

**Kit of an assortment** of M6x1, M8x1,25, M10x1 and G 1/8" in straight, 45°, 90° design, in all a total of 140 fittings. The box is made of plastic with 12 different compartments.

19002

19009



19009

19002

## Protection Cover for Grease Fittings

Protects hydraulic grease fittings from ingress of dirt.

### Description

Protection for grease fittings red  
Protection for grease fittings yellow

P499  
P499G

P499

P499G



## LUB- and Button Head Fittings

### LUB Grease Fittings

Material: Zinc coated steel.

Principal: The pump nozzle is pressed against the fitting, Metallic seal.

Part No Straight	Part No 45°	Conn. thread (m)	Remark
109	116B	R1/8"	Zerk type
127	143	G1/8"	Flush type
112	119B	G1/4"	Zerk type
129		G1/4"	Flush type
185		M6x1	Zerk type
107		M8x1,25	Zerk type
108		M10x1	Zerk type
105		W1/4"	Zerk type
110		W5/16"	Zerk type
101		Ø 6 mm	Drive fitting, Zerk
121		Ø 6 mm	Drive fitting, Flush
102		Ø 8 mm	Drive fitting, Zerk
120		Ø 8 mm	Drive fitting, Flush

### Button Head Fittings

Material: Zinc coated steel

Stainless steel equivalent to SS 2346 (AISI303).

Principal: The nozzle grips the flange of the fitting when slid or pushed on, metallic or rubber seal.

Part No Ø 22 mm	Part No Ø 16 mm	Part No 15 mm hex.	Conn. thread (m)	Remark
	ND6172	208	G1/8"	
		208ROSTFRI	G1/8"	Stainless steel
	A1184		1/8" NPTF	
1824	ND6160	211	G1/4"	Length under hex., 32 mm
		211ROSTFRI	G1/4"	Stainless steel
ND6151			G3/8"	
	ND6161		G3/8"	
1823	A1186		1/4" NPTF	
1822A	A1188		3/8" NPTF	
18201	A1190		1/2" NPTF	
	M101Fz		M10x1	Length under hex., 16 mm
	M101Ro		M10x1	Stainless steel

### Extension

Makes it possible to extend a lubricant fitting for ease of lubrication.

Description	Length	Conn. threads
Extension	32 mm (overall), extends the fitting approx. 25 mm	G1/8" (f) - G1/8" (m)

171



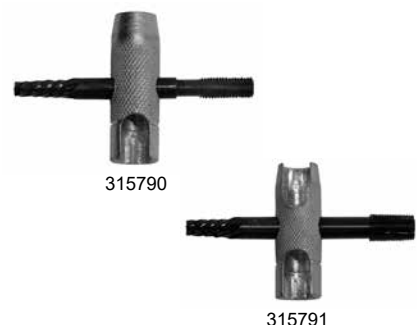
### Fitting Tool

All-in-one tool to extract broken fittings, re-thread holes and install new straight and angle-type fittings.

#### Description

Fitting tool 1/4" - 28" SAE

Fitting tool 1/8" NPT

315790  
315791

### Air Treatment Units

Description	Conn. thread	Consisting of
Air treatment unit	G1/4 (f)	42107, 42009, 42110, 301296
Air treatment unit	G1/4 (f)	42107, 42009, 42108, 42112

**Accessories:**

Bracket for 42103 to mount on top of 12750-757 series pumps.  
Air hose for Air Treatment Unit.

Part No

**42103**

**42105**

**2026154**

**2226155**

42103



42105



2026154



2226155



### Air Line Hoses

Used to connect the compressed air supply to the pump, made of armoured PVC, max. working pressure 1,5 MPa (15 bar), with swaged couplings; one with swiveling nut and connection adapter (male/male).

Description	Hose Diameter	Length	Conn. thread	Part No
Air line hose	1/4" i.d.	1,5 m	G1/4"	<b>48001</b>
Air line hose	1/4" i.d.	3,0 m	G1/4"	<b>480013M</b>
Air line hose	3/8" i.d.	1,5 m	G3/8"	<b>48002</b>
Air line hose	3/8" i.d.	3,0 m	G3/8"	<b>480023M</b>
Air line hose	1/2" i.d.	2,0 m	G1/2"	<b>48017</b>

48001



### Inlet Strainer

Filter for Grease Pumps 12750-52, 12755-57, 12560-62. The strainer is mounted directly on to the inlet to prevent any contamination of the grease.

**1125372**



### Bung Adapters

With split collar. G2" (m) thread for drum or drum covers.

Tube diameter	Fits Orion pump models	Part No
40 mm	12852	<b>28590</b>
30 mm	12750, 12751, 12752, 12755, 12756, 12757, 12650-52	<b>28591</b>
26 mm	12540, 12541, 12542	<b>28586</b>
Dust cover for drum adapter		<b>29057</b>

28586



29057



### Drum Covers

Made of sheet metal with G2" (f) thread for the pump bung adapter and three retaining screws.

Drum size	Fits drum with outer diameter	Part No
12,5-20 kg	275 - 305 mm (prepared with 2 extra holes for fixation of carrying handle).	<b>18544</b>
18-20 kg	290 - 327 mm	<b>18545</b>
50 kg	345 - 380 mm	<b>18546</b>
50 kg	360 - 405 mm	<b>18543</b>
180 kg	560 - 605 mm	<b>18542</b>
50 kg	360 - 405 mm (only for Heavy Duty pumps)	<b>18548</b>
180 kg	560 - 605 mm (only for Heavy Duty pumps)	<b>18547</b>

Spare screw kit (3 screws)

Carrying handle for 18544

T-screw kit for plastic buckets (20 kg)

Grease gun holster for drum lids

**1485016**

**1125357**

**1385111**

**18507**

18542



18544



1385111



18507



1125357



## Accessories

### Followers Plates

Eliminate cavitation and help pump priming. Rubber flange minimises waste by wiping the inner drum wall. Can be used with pump tube diameters 26-42 mm.

Drum size	Fits drum with inner diameter
12,5 kg	230 - 260 mm
18-20 kg	265 - 290 mm
50 kg	300 - 330 mm
50 kg	340 - 360 mm
50 kg	360 - 395 mm
180 kg	560 - 590 mm
50 kg	330 - 370 mm (only for Heavy Duty pumps)
50 kg	360 - 405 mm (only for Heavy Duty pumps)
180 kg	550 - 590 mm (only for Heavy Duty pumps)

### Adapter for Follower Plates

Attaches to the follower plate to further maximise emptying of the grease drum. Fits the follower plates on the previous product.

#### Description

Grease pumps series 126-127 series  
Grease pump 12852  
Grease pump 12821, 12831

### Grease Line Filter

For installation in grease distribution pipework (grease outlets). Built-up with discs which provide simplified cleaning. The filter withstands high pressure drops which eliminates the risk of cartridge bursting when contaminated.

Description	Filter rating	Conn.thread (m)	Max pressure
Grease filter	100 µm	G1/4", G3/8" alt G1/2"	50 MPa (500 bar)

### Distribution Hoses for Grease

High pressure hose, 1/4" i.d., double braided Nitrile rubber. Burst pressure min 140 MPa (1400 bar), swaged couplings, connection threads G1/4" (f) swivelling nuts incl. two adapters G1/4" (m) and one bushing G1/4" (f) - G3/8" (m). Other lengths are available upon request.

Part No	Hose Length	Part No	Hose Length
18122	2 m	18128	9 m
18123	3 m	18129	10 m
18124	4 m	18130	12 m
18125	5 m	18131	15 m
18126	6 m	18132	20 m

### Grease Supply Hoses

High pressure hose, 3/8" i.d., double wire braided Nitrile rubber with swaged couplings and two connection adapters, G3/8" (m). Burst pressure min. 112 MPa (1.120 bar). Other lengths are available upon request.

#### Description

Length 1,5 metres  
Length 4,0 metres  
Length 6,0 metres  
Length 2,0 metres

### High Volume Grease Supply Hose

High pressure hose, 1/2" i.d., double wire braided.

#### Description

Length 4,0 metres

#### Grease accumulator

2 liters, length 445 mm, diameter 115 mm, G 1/2" (f)

#### Part No

18569  
18570  
18575  
18571  
18572  
18573  
18576  
18577  
18578



18570

18576



18573

18565



18565  
18566  
18316



14527

18122



18107



18107  
18110  
18112  
18111

24665

18150

24665





## 2 oil

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## Air Operated Oil Pumps

### Oil Pump, Pressure Ratio 1:1

Transfer pump for connection to bulk tank or drum. The stub pump version can be wall or floor mounted. Double acting air operated pump for transferring oil and non-corrosive liquids. Includes a bung adapter G2" (m).

#### Pressure ratio 1:1

<b>Capacity</b>	Max 40 l/min., free flow, at 1,0 MPa, (10 bar)
<b>Air pressure</b>	Max 1,0 MPa (10 bar)
<b>Connections</b>	Air: G1/4" (f)
	Oil: Outlet G3/4" (f)
	Inlet (22800) G1" (f)

#### Description

Stub pump  
 Barrel pump for 205 l drums

#### Part No

**22800**  
**22805**

22800



22805



### Oil Pump, Pressure Ratio 3:1

Low pressure pump for smaller oil distribution system and lower viscosity oils. Suitable for connection to a bulk tank or drum. The stub pump version can be wall or floor mounted. Double acting air operated pump for oil and non-corrosive liquids. Includes a bung adapter G2" (m) and a PRV.

#### Pressure ratio 3:1

<b>Capacity</b>	Max 22 l/min., free flow, at 1,0 MPa, (10 bar)
<b>Air pressure</b>	Max 1,0 MPa (10 bar)
<b>Connections</b>	Air: G1/4" (f)
	Oil: Outlet G3/4" (f)
	Inlet (22810) G3/4" (f)

#### Description

Stub pump  
 Barrel pump for 60 l drums  
 Barrel pump for 205 l drums

**22810**  
**22819**  
**22815**

22810



22819

22815

### Oil Pump, Pressure Ratio 5:1

Medium pressure pump for larger oil distribution system and higher viscosity oils. Suitable for connection to a bulk tank or drum. The stub pump version can be wall or floor mounted. Double acting air operated pump for oil and non-corrosive liquids. Includes a bung adapter G2" (m) and a PRV.

#### Pressure ratio 5:1

<b>Capacity</b>	Max 38 l/min., free flow, at 1,0 MPa, (10 bar)
<b>Air pressure</b>	Max 1,0 MPa (10 bar)
<b>Connections</b>	Air: G1/4" (f)
	Oil: Outlet G3/4" (f)
	Inlet (22750) G1" (f)

#### Description

Stub pump  
 Barrel pump for 205 l drums  
 Pump for tank, max depth 1 500 mm

**22750**  
**22752**  
**227521550**

22750



22752



**\*\* The 3:1 and 5:1 pump are equipped with a pressure relief valve. The use of a Pressure Relief Valve protects the system components against excessive system pressure which can result from heat expansion. (1°C temperature increase results in approx. 10 bar increase in the static system pressure)**

**NOTE! Do not use any air operated pump for volatile or highly inflammable liquids like Petrol (Gasoline).**

**Oil Pump, Pressure Ratio 15:1**

High pressure oil pump for applications requiring higher pressure and lower flow rates. Suitable for connection to a bulk tank or drum. The stub pump version can be wall or floor mounted. Double acting air operated pump for oil and non-corrosive liquids. Includes a bung adapter G2" (m).

<b>Pressure ratio</b>	<b>15:1</b>
<b>Capacity</b>	Max 15 l/min., free flow, at 1,0 MPa, (10 bar)
<b>Air pressure</b>	Max 1,0 MPa (10 bar)
<b>Connections</b>	Air: G1/4 "(f)
	Oil: Outlet G3/4" (f)
	Inlet (22760) G3/4" (f)

**Description**

Stub pump  
Barrel pump for 205 l drums

Part No

**22760**  
**22762**



**Oil Pump, Heavy Duty**

High pressure oil pump for applications requiring higher pressure and higher flow rates. Suitable for connection to a bulk tank or drum. The pump can be wall or floor mounted. Double acting air operated pump for oil and non-corrosive liquids.

<b>Air motor</b>	<b>4 1/2" (115 mm) / 6" (150 mm)</b>
<b>Air pressure</b>	Max 1,2 MPa (12 bar)
<b>Connections</b>	Air: G1/2 "(f)
	Oil: Outlet G3/4" (f)
	Inlet G1 1/2" (f)

**Description**

<b>Description</b>	<b>Capacity*</b>
3:1 Stub pump	120 l/min
6:1 Stub pump	100 l/min
10:1 Stub pump	68 l/min
10:1 Barrel for 205 l drums	68 l/min
6:1 Stub pump	100 l/min
12:1 Stub pump	65 l/min

\* Engine oil (SAE 10W30) at 20 °C @ 0,7 MPa (7 bar)

22443

22450



**22440**  
**22441**  
**22443**  
**22442**  
**22450**  
**22451**

**Installation Kit for Heavy Duty Oil Pumps**

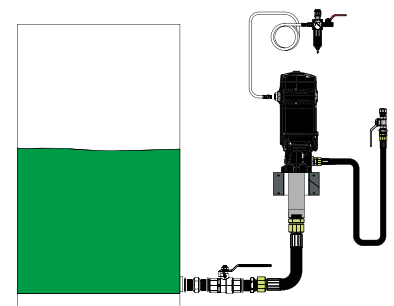
Components for a remote wall mounted air operated oil pump with a suction hose connected to the bottom tank outlet.

**Information**

Air line hose (48017) 1/2" L= 2 m  
Oil line hose (28079) 3/4" L= 1,5 m  
Oil suction hose (28090) 2" L= 0,7 m

**Note! Pump not included.**

**99620**



## Electric Pumps & Air Operated Diaphragm Pumps

### Electric Pump for Oil

Electric gear pump, with built in by-pass and pressure switch for controlled oil dispensing. The pressure switch switches the pump on/off automatically when the oil valve is open/closed. Opening pressure 6 bar. (only 52510, 52515 and 52520). Inlet: G3/4" (f) Outlet: G1" (f). Voltage: 230 V, 50 Hz. (52525, 52527: G1" In-Out)

Capacity*	Max dynamic pressure	Max static pressure	Engine power	Pressure switch
9,5 l/min.	12 bar	20 bar	0,60 kW	Yes
13 l/min.	16 bar	25 bar	0,78 kW	Yes
9,5 l/min.	25 bar	40 bar	0,78 kW	Yes
50 l/min.	8 bar	-	1,50 kW	No
70 l/min.	8 bar	-	2,00 kW	No

\* Engine oil (SAE 10W30) at 20 °C

### Installation Kit for Electric Pump for Oil

Components for an electric oil pump.

#### Information

Oil line hose 1,5 m x 3/4"

Drum suction attachment (28310) with 2,0 m hose and 1,0 m tube.

Oil line hose 1,5 m x 3/4"

Drum suction attachment (28311) with 2,0 m hose and 1,7 m tube.

**Note! Pump not included.**

### Air Operated Diaphragm Pump 1:1

Transfer pump for connection to bulk tank or drum.

Double acting air operated pump for transferring oil and non-corrosive liquids.

#### Pressure ratio 1:1

Capacity	
22210	Max 50 l/min., free flow, at 0,7 MPa (7 bar).
22310	Max 100 l/min., free flow at 0,7 MPa (7 bar).
22332	Max 200 l/min., free flow at 0,7 MPa (7 bar).
22330	Max 250 l/min., free flow at 0,7 MPa (7 bar).

**Air pressure** 0,15 MPa (1,5 bar) - 0,8 MPa (8 bar)

**Connections** Air: 22210, 22310 G3/8" (f)  
22330 NPSM 1/2" (f)

Oil: 22210 inlet-outlet G1/2" (f)  
22310 inlet-outlet G1" (f)  
22332 inlet-outlet G 1"  
22330 inlet-outlet G1 1/2"

### Magnetic Feet with Rubber Cover

for mounting the diaphragm pump on steel drums or tanks. Set of 4 pcs.

### Installation Kit for Diaphragm Pump

Components for an air operated Diaphragm pump, for 205 l drums and 1.000 l IBC containers.

#### Information

Air line hose (48001) 1/4" L= 1,5 m

Oil line hose (28079) 3/4" L= 1,5 m

Suction hose 28310 L= 2,0 m and suction tube L= 1,0 m

Installation kit for 22210 with air treatment unit

Installation kit for 22210 without air treatment unit

Installation kit for 22310 with air treatment unit

Installation kit for 22310 without air treatment unit

#### Floor mounted pump installation kit

Air line hose (48017) 1/2" L= 2 m

Oil line hose (28090) 2" L= 0,7 m

Suction hose (28090) 2" L= 0,7 m

Installation kit for 22330 with air treatment unit

Installation kit for 22330 without air treatment unit

**Note! Pump not included, ordered separately.**

#### Part No



52510

52515

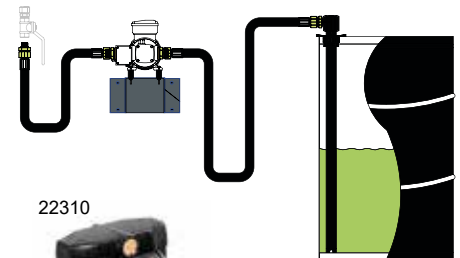
52520

52525

52527

99656

99659



22310

22332

22330

22210

98876



22210

22310

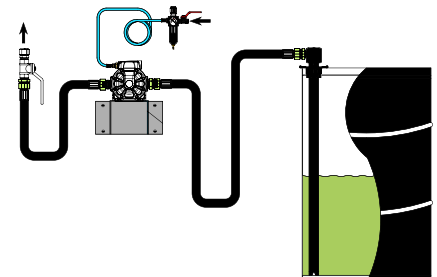
22332

22330

Body	Valves	Diaphragm	Other wetted materials
Aluminium	Acetal	Hytrel®	Teflon®, Viton®, NBR, Stainless steel
Aluminium	Hytrel®	Hytrel®	Teflon®, NBR, Stainless steel
Aluminium	Acetal	TPE	Nitril, Stainless steel
Aluminium	Acetal	Hytrel®	NBR, Stainless steel

98876

99667



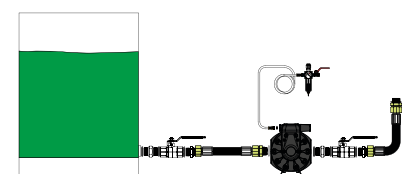
99666

99766

99667

99767

99670



99670

99770



## Installation Kits for 227 & 228-Series Pumps

### Drum mounted Pump Installation Kit

Components for a drum mounted air operated oil pump (205 l drum or tank).

**Information**

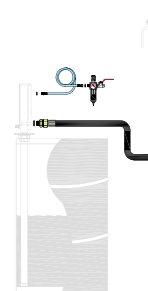
Air line hose (48001) 1,5 m x 1/4"  
Oil line hose (28079) 1,5 m x 3/4"

With air treatment unit  
Without air treatment unit

**Note! Pump not included.**

Part No

99625  
99725



### Wall mounted Pump Installation Kit

Components for an air operated pump, for 200 l drums and 1.000 l IBC containers.

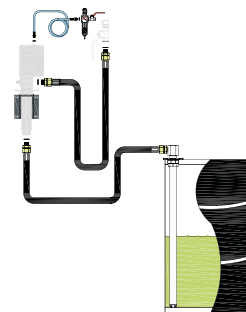
**Information**

Air line hose (48001) 1/4" L= 1,5 m  
Oil line hose (28079) 3/4" L= 1,5 m  
Suction hose (28310) L= 2 m and suction tube L= 1 m

With air treatment unit  
Without air treatment unit

**Note! Pump not included, ordered separately.**

99626  
99726



### Wall mounted Pump Installation Kit

Components for a remote wall mounted air operated oil pump with a suction hose connected to the bottom tank outlet.

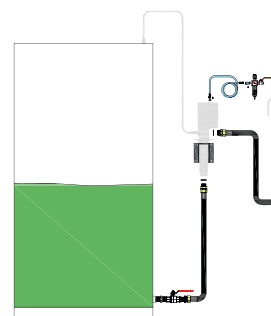
**Information**

Air line hose (48001) 1/4" L= 1,5 m  
Oil line hose (28079) 3/4" L= 1,5 m  
Oil suction hose (28078) 1 m hose

With air treatment unit  
Without air treatment unit

**Note! Pump not included.**

99627  
99727



### Floor mounted Pump Installation Kit

Components for a remote floor mounted air operated oil pump with a suction hose connected to the bottom tank outlet.

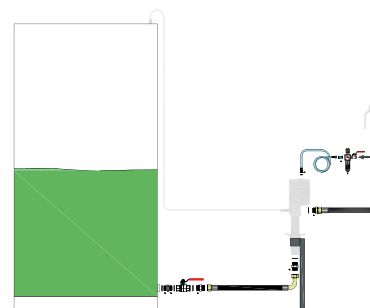
**Information**

Air line hose (48001) 1/4" L= 1,5 m  
Oil line hose (28079) 3/4" L= 1,5 m  
Oil suction hose (28080) 1 m hose

With air treatment unit  
Without air treatment unit

**Note! Pump not included.**

99628  
99728



### Wall mounted Pump Installation Kit

Components for a remote wall mounted air operated oil pump with a tank suction attachment.

**Information**

Air line hose (48001) 1/4" L= 1,5 m  
Oil line hose (28079) 3/4" L= 1,5 m

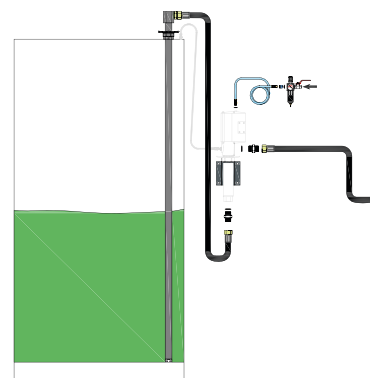
**With Oil suction attachment (28311) 2 m tube and 1,7 m tube.**  
With air treatment unit  
Without air treatment unit

**With Oil suction hose (28321) 5 m hose for tank height max. 3 m.**  
With air treatment unit  
Without air treatment unit

**Note! Pump not included.**

99629  
99729

99624  
99724



## Spring Operated Hose Reels

### Series ORK, ORM

Open hose reel with a steel braided hydraulic hose, fitted with swaged couplings.

	Length	Diameter	Conn. threads	Working Pressure		Part No
	m	mm-inch		MPa	bar	
Series ORK	10	12,5 - 1/2"	G1/2" (f)	7,5	75	25132
Series ORM	15	12,5 - 1/2"	G1/2" (f)	7,5	75	25135

### Series ORS

Open single arm hose reel made in aluminium with a steel braided hydraulic hose, fitted with swaged couplings.

	Length	Diameter	Conn. threads	Working Pressure		Part No
	m	mm-inch		MPa	bar	
Series ORS	10	12,5 - 1/2"	G1/2" (f)	7,5	75	25232
Series ORS	15	12,5 - 1/2"	G1/2" (f)	7,5	75	25235

### Series ORL

Heavy duty open hose reel with longer hose lengths, fitted with swaged couplings.

	Length	Diameter	Conn. threads	Working Pressure		Part No
	m	mm-inch		MPa	bar	
Series ORL	20	12,5 - 1/2"	G1/2" (f)	7,5	75	25436
Series ORL	15	19 - 3/4"	G3/4" (f)	7,5	75	25455

### Series OR

Open hose reel with longer hose lengths, fitted with swaged couplings.

	Length	Diameter	Conn. threads	Working Pressure		Part No
	m	mm-inch		MPa	bar	
Series OR	20	12,5 - 1/2"	G1/2" (f)	6	60	25336

### Series LOR

Open hose reel with steel braided, oil resistant rubber hose.

	Length	Diameter	Conn. threads	Working Pressure		Part No
	m	mm-inch		MPa	bar	
Series LOR	25	12,5 - 1/2"	G1/2" (f)	6	60	25537
Series LOR	20	19 - 3/4"	G3/4" (f)	6	60	25556
Series LOR	15	25 - 1"	G1" (f)	6	60	25565

### Series ORB

Extra Heavy Duty open hose reel with steel braided hose.

	Length	Diameter	Conn. threads	Working Pressure		Part No
	m	mm-inch		MPa	bar	
Series ORB	30	12,5 - 1/2"	G1/2" (f)	6	60	25638
Series ORB	20	19 - 3/4"	G3/4" (f)	6	60	25656
Series ORB	25	19 - 3/4"	G3/4" (f)	6	60	25657
Series ORB	15	25 - 1"	G1" (f)	6	60	25665

### Series CRO

A medium sized enclosed hose reel. The hose reel can be mounted on the ceiling, the wall or the floor. The wall bracket can easily be moved to fit other installations.

	Length	Diameter	Conn. threads	Working Pressure		Part No
	m	mm-inch		MPa	bar	
Series CRO	10	12,5 - 1/2"	G1/2" (f)	7,5	75	26232
Series CRO	15	12,5 - 1/2"	G1/2" (f)	7,5	75	26235

### Series CRK

A medium sized enclosed hose reel. The hose reel can be mounted on the ceiling, the wall or the floor. The wall bracket can easily be moved to fit other installations.

	Length	Diameter	Conn. threads	Working Pressure		Part No
	m	mm-inch		MPa	bar	
Series CRK	10	12,5 - 1/2"	G1/2" (f)	7,5	75	26432
Series CRK	15	12,5 - 1/2"	G1/2" (f)	7,5	75	26435



### Hose End Meters

- Hose End Meter (mechanical)**     *complete with swivel, inlet strainer, outlet hose and non-drip nozzle*
- Preset Hose End Meter (mechanical)**     *complete with swivel, inlet strainer, outlet hose and non-drip nozzle*
- Hose End Meter (digital)**     *complete with swivel, inlet strainer, outlet hose, battery and non-drip nozzle*
- Preset Hose End Meter (digital)**     *complete with swivel, inlet strainer, battery non-drip nozzle and formable outlet hose*

*For other meter configurations refer to the Hose End Control section!*

Part No

- 24792
- 24797
- 24785
- 24123



### Oil Control Valves

Control valves made of aluminum with large flow capacity. Max pressure: 10,5 Mpa (105 bar). Swivel included. Inlet G1/2" (f).

- Description**
- Oil Control Valve without outlet tube
  - Oil Control Valve with 60° rigid tube and lockable nozzle
  - Oil Control Valve with hose 90° and lockable nozzle
  - Oil Control Valve with hose 90° and automatic nozzle
  - Oil Control Valve with hose 135° and automatic nozzle
  - Oil Control Valve with straight hose and automatic nozzle

- 24675
- 24560
- 24561
- 24562
- 24564
- 24558



### Control Valve

The control valve has an inlet strainer which minimizes the contamination risk. Max working pressure 5 MPa (50 bar), inlet G1/2" (m).

- Description**
- Control Valve     Rigid outlet (24170), non drip nozzle (24527) and swivel (24586).
  - Control Valve     Hose outlet (2285346), non drip nozzle (24527) and swivel (24586).

*For other control valve configurations, refer to the Hose End Control section!*

- 2468010
- 2468050



### High Volume Hose End Meter

High volume oil control valve for high flow of lubricants. Two-valve operation. Lockable trigger. Ball bearing swivel. Rigid outlet with semi-automatic non-drip nozzle. Max working pressure 10 MPa (100 bar), inlet G3/4" (f). Maximum flow rate 70 l/min.

- Description**
- Hose End Meter     Rigid outlet, non drip nozzle
  - Control Valve     Rigid outlet, non drip nozzle
  - Control Valve     Hose outlet, non drip nozzle

- 24756
- 24567
- 24568



### Drip Holsters

To protect hose end meters and control valves when not in use and to collect any oil drips.

- Description**
- Drip holster
  - Drip holster
  - Drip holster
  - Drip holster for drums

- 29090
- 29086
- 29096
- 29055



*Drip Pans see the Hose Reel section!*

## Distribution Kits

### Distribution Kit for Drum with Wall Mounted Pump, Enclosed Hose Reel and Hose End Meter

Consisting of pump 22810, hose reel 26432, hose end meter 24785, air treatment unit 42103 and fittings.

Description	Connection Hose length
Distribution kit	2 m
Distribution kit	4 m
Distribution kit	6 m

Part No

28330  
28331  
28332



### Distribution Kit for Drum with Drum Pump, Enclosed Hose Reel and Hose End Meter

Consisting of pump 22815, hose reel 26432, hose end meter 24785, air treatment unit 42103 and fittings.

Description	Connection Hose length
Distribution kit	2 m
Distribution kit	4 m
Distribution kit	6 m

28335  
28336  
28337



## Distribution Kits for 1.000 l Containers

### Distribution Kit

1:1 ratio air operated oil pump 22800 mounted on a bracket on the side on the container. The pump outlet is fitted with a shut off valve with hooked outlet nozzle (1,5m) for dispensing directly into measures or containers.

*Note! Delivered without the container.*

Distribution Kit with Diaphragm pump 22210

*Note! Delivered without the container.*

Bracket only

Suction hose including connection

Part No

28352

28353

92126

9320120



### Distribution Kit

3:1 ratio air operated oil pump 22810 mounted on a bracket on the side on the container. The pump outlet is fitted with a 3 metre 1/2" distribution hose and digital hose end meter 24785.

*Note! Delivered without the container.*

Distribution Kit with Diaphragm pump 22210

*Note! Delivered without the container.*

Bracket only

28354

28355

92126



### Distribution Kit

3:1 ratio air operated oil pump 22810 mounted on a bracket on top of the container. Supplied with a 10 metre 1/2" hose reel 25132 and digital hose end meter 24785.

*Note! Delivered without the container.*

Bracket only

28356

92128



*Contact us for other configuration options!*

## Tank Kits

### Fresh Oil Tank 1.500 I, for Indoor Location

The tank comes with hose reel (26432), pump (22810), meter (24785) and the necessary hoses and tank connections.

#### Description

Without protection reservoir.

With protection reservoir.

*Note! The tanks are supplied for self assembly.*

Part No

**SPEC2304**  
**SPEC2305**



SPEC2305

### Fresh Oil Tank in Plastic with Sheet Metal Protection 1.500 I, for Indoor Location

The tank is supplied with hose reel (26432), pump (22810), hose end meter (24785) and necessary hoses and connections. The tank must be installed according to valid rules.

Tank accessories kit, fresh oil

Tank accessories kit, waste oil

Only tank, 1.500 I, L x W x H 1630 x 770 x 1850

Only tank, 1.000 I, L x W x H 1660 x 770 x 1590

*Note! The tanks are supplied for self assembly.*

**SPEC2307**

**99430**

**99431**

**92095**

**92096**



### Oil dispenser for 200 I Drums

Consisting of an oil pump 22815, 3 metre 1/2" distribution hose with hose end meter 24785.

**28340**



### Mobile Oil dispenser with safety trolley

Consisting of an oil pump 22815, hose reel 25132 with hose end meter 24785 and safety trolley 28350..

**22159**



## Mobile Oil Dispensers, Air Operated

### De-luxe Mobile Oil Dispensers for 20 and 60 l Drums

Consisting of a pump, fitted to the lid of a protective container, oil hose and oil control valve. The container is mounted on a trolley fitted with two large rubber wheels and two swivel castors.

Oil pump/pressure ratio.	For drum	Max. drum-diameter	Length oil hose	L x W x H (mm)
22805/1:1	60 l	Ø 405 mm	3 m	650 x 510 x 1.280
22800/1:1	20 l	Ø 320 mm	2 m	400 x 400 x 800

#### Hand pump

21650	60 l	Ø 405 mm	1,5 m	650 x 510 x 1.280
21650	20 l	Ø 320 mm	1,5 m	400 x 400 x 800

#### Accessories:

Description	For De-Luxe	Dimension	Part No
Empty 60 l drum	26006, 26016	Ø 365 x 680 mm	<b>2345386</b>
Empty 20 l drum	25006, 25016	Ø 295 x 375 mm	<b>1825106</b>

**Part No**


### Mobile Oil Dispensers for 60 l Drums

Consisting of an oil pump 22819, 3 metre 1/2" distribution hose with hose end meter and drum trolley.

Description	Dimension (W x D x H)	Del. with trolley	Hose end meter	Part No
Oil dispenser	450 x 620 x 1.200 mm	28528	24785	<b>22152</b>
Oil dispenser	500 x 450 x 1.250 mm	28526	24785	<b>22153</b>



### Mobile Oil Dispensers for 200 l Drums

Consisting of an oil pump 22805, 3 metre 1/2" distribution hose with hose end meter and drum trolley.

Description	Dimension (W x D x H)	Del. with trolley	Hose end meter	Part No
Oil dispenser	800 x 620 x 1.200 mm	28645	24785	<b>22154</b>
Oil dispenser	800 x 620 x 1.200 mm	28667	24785	<b>22155</b>



### Mobile Oil Dispensers for 200 l Drums

Consisting of an oil pump 22815, 10 metre 1/2" hose reel 26432 with hose end meter and drum trolley.

Description	Dimension (WxDxH)	Del. with trolley	Hose end meter	Part No
Oil dispenser	800 x 620 x 1.200 mm	28645	24785	<b>22158</b>



*If you have a need for Oil Dispensers in other configurations don't hesitate to contact us!*

## Mobile Oil Dispensers

### Mobile Oil Dispenser

Air operated oil dispenser, comprising of a steel container with G2" (f) pump mounting thread, fitted with a compressed air connection and pressure gauge, Ø 30 mm filler hole, sight gauge and two Ø 100 mm wheels. Pre-load the container with compressed air 0,3-0,7 MPa (3-7 bar), and the dispenser can be used without permanent connection to air pressure. Max. admissible tank capacity is 3/4 of total capacity. Complete with 1,2 m hose and oil control valve 24558 or digital meter 24785.

Description	Volume	Dim. (L x W x H)
Oil dispenser with control valve	approx. 24 l	350 x 380 x 780 mm
Oil dispenser with digital meter	approx. 24 l	350 x 380 x 780 mm

#### Spare parts:

Lid  
Gasket for lid  
Pressure gauge  
Safety valve

#### Part No

**21076**  
**21077**

**2395093**  
**2395092**  
**2315312**  
**2315311**

21076



### Mobile Oil Dispenser

Mobile steel container with G2" (f) pump mounting thread, Ø 30 mm filler hole, sight gauge and two Ø 100 mm (4") wheels. Complete with hand operated oil pump, 1,2 m hose and with an outlet tube.

Description	Volume (approx.)	Capacity (approx.)	Dim. (mm) L x W x H
Mobile oil dispenser	24 l	0,1 l/stroke*	350 x 380 x 780

\* Engine oil, +20 °C.

**21067**



### Mobile Oil Dispensers for 20 and 60 l Drums

Trolley (28528) with chain for holding 60 l drums with two Ø 155 mm wheels. Pump delivered with 1,5 m outlet hose and hooked outlet nozzle.

Description	Dimension (W x D x H)	Pump
Oil dispenser	450 x 230 x 1.200 mm	21650
Oil dispenser	450 x 230 x 1.200 mm	21506

Strap 1,5 meters long for small kegs

**21656**  
**21507**  
**40801327**

21656

21507



### Mobile Oil Dispenser for 60 l Drums with Heavy Duty Trolley

Trolley (28526) with tubular drum support and a clamp screw for fixing the drum, two Ø 75 mm swivel castors and two Ø 200 mm wheels. Pump (21650) delivered with 1,5 m outlet hose (28569), shut-off valve and hooked outlet nozzle.

Description	Dimension (W x D x H)	Del. with trolley
Oil dispenser	500 x 450 x 1.060 mm	28526

**21658**



### Mobile Oil Dispenser for 205 l Drums

Consists of a hand operated oil pump (21503), 1/2" oil hose (1,5m) with 135° angled spout, valve and drum trolley.

Description	Dimension (W x D x H)	Del. with trolley
Oil dispenser	450 x 620 x 1.200 mm	28645

**21504**





# Mobile Oil Dispensers, Oil Bar

## Portable Oil Dispensers

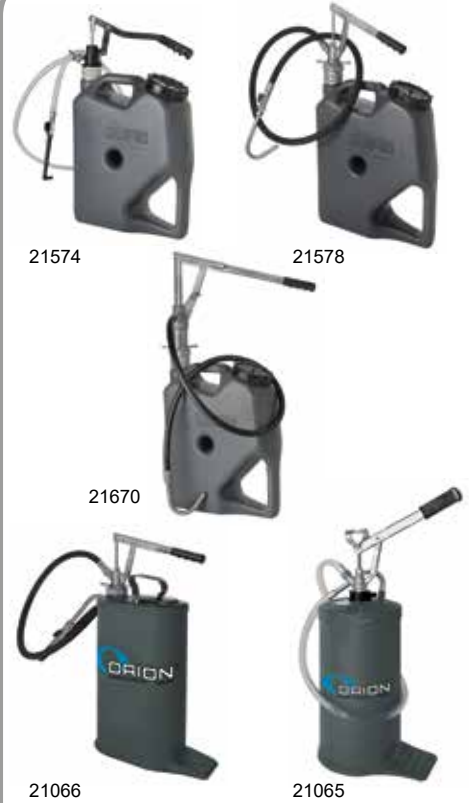
Portable oil pump fitted to a 16 l container with carrying handle. Supplied with a 1,5 m hose and angled outlet tube.

Description	Container	Dimension (L x W x H)	Capacity (approx.)*	Weight (approx.)
Oil dispenser	OriCan	400 x 150 x 630 mm	0,04 l/stroke	5,0 kg
Oil dispenser	OriCan	400 x 150 x 900 mm	0,1 l/stroke	5,0 kg
Oil dispenser	OriCan	400 x 150 x 900 mm	0,15-0,25 l/stroke	5,0 kg
Oil dispenser	Oval steel	380 x 170 x 700 mm	0,1 l/stroke	7,85 kg
Oil dispenser	Round steel	490 x 240 x 730 mm	0,13 l/stroke	6,5 kg

\* Engine oil, +20 °C.

Part No

21574  
21578  
21670  
21066  
21065



## Oil Dispensing Valve for Pump Installation

The valve is mounted directly on the pump outlet. To be used for filling of measures and cans.

Description	Connection thread
Oil dispensing valve	G3/4"

**Note! Order pump separately!**

24516



## Oil Bar

Oil dispensing bar for 1 to 4 products. Delivered with 1 valve 24509 for 1 product. Can be fitted with up to 4 valves for 4 different products.

Description	Dimension (W x D x H)	Connection thread	Part No
Oil dispensing bar	460 x 300 x 580 mm	G1/2"	24135
Extra valve kit		G1/2"	24509
Extra valve kit (stainless steel)		G1/2"	54509

24135



## Hand Operated Pumps

### Rotary Pump for Oil

Rotary pump made of cast iron with Ø 26 mm outlet pipe and G2" (m) bung adapter.

Description	Suction tube length	Suction tube diam.	Capacity (approx.)**	Weight (approx.)
Rotary pump	900 mm tube in 3 sections	Ø 32 mm	0,25 l/turn	5,1 kg

\*\* Engine oil, +20 °C.

### Rotary Pump for Oil, Water Based Fluids and Other Chemicals

Rotary pump made of PVC with Ø 27 mm outlet pipe and G2" (m) bung adapter.

Description	Suction tube length	Suction tube diam.	Capacity (approx.)**	Weight (approx.)
Rotary pump	900 mm tube in 3 sections	Ø 44 mm	0,3 l/turn **	1,8 kg

\*\* Engine oil, +20 °C.

### Drum Pump

For transfer of oil and non corrosive fluids from 60 l (110 lbs) and 205 l (400 lbs) drums. Made of aluminium and steel with Nitrile seals, rigid outlet pipe, bung adaptor and telescopic suction tube. Capacity 0,45 l/stroke (0.12 US G/stroke) approx. 16 l/min. (4 1/4 US G/min.)

Description	For drum	Capacity (approx.)**
Drum pump, telescopic	60 to 200 l	0,45 l/stroke

\*\* Engine oil, +20°C.

### Drum Pump

Medium pressure lever pump for high viscosity lubricants. For transfer of oil and non corrosive fluids from 20 l and 205 l (400 lbs) drums. Made of steel with Nitrile seal and rubber hose (1,5 m) with angled spout and valve. Suction tube diameter Ø 36 mm.

Description	For drum	Capacity (approx.)**
Drum pump with outlet hose	20 l	0,1 l/stroke
Drum pump with outlet hose	60 l	0,1 l/stroke
Drum pump with outlet hose	200 l	0,1 l/stroke

Outlet hose, 1,5 meters, with 135° angled spout and valve

\*\* Engine oil, +20 °C.

### Gear Oil Pump for 20 - 25 l Containers

Lift pump for high viscosity lubricants. For transfer of oil and non corrosive fluids from 20 to 25 l containers. Made of steel and plastic with nitrile seals, delivered with a rubber hose (1,5 m) with angled spout and valve. G2" (m)

Description	For drum	Capacity (approx.)
Gear oil pump w hose	20 - 25 l	0,2 l/stroke
Gear oil pump w hose	Mobil 20 l	0,2 l /stroke

\*\* Engine oil, +20 °C.

Part No

21205

21200

21012

21500

21506

21503

24599

21023

21038



## Hand Operated Pumps

### Drum Pumps

Pump with a telescopic (500-900 mm) suction tube. The lever can be mounted in different positions to change the stroke length and output. Delivered with a bung adapter G2" (m). Capacity 0,15 to 0,25 ls/stroke.

- Pump only , outlet thread G 1/2" (m) with telescopic suction tube
- Pump with outlet hose 1,5 m (24599) and hooked outlet nozzle
- Pump with In-Line Meter (24795) for mounting between the pump and outlet hose 1,5 m (24599) with hooked outlet nozzle
- Only hose
- Telescopic suction tube

### Drum Pumps

Made in Polypropylene with a steel shaft and Nitrile rubber seals. The lever can be mounted in 3 different positions to change the stroke length and output capacity, see below. Delivered with telescopic suction tube, G2" and G1 1/2" bung adapter. Suction tube length 340-900 mm, diameter 40 mm.

Description	Colour	Capacity (Engine oil 20 °C)
Drum pump	black/blue	0,3 to 0,45 l/stroke
Drum pump	black/green	0,3 to 0,45 l/stroke

Drum pump with telescopic suction tube made of polypropylene with Nitrile rubber seals. G2" (m) bung adapter and outlet with 1" hose barb for max. 2 m open end hose. Suction tube length 350-980 mm.

Description	Colour	Capacity (Engine oil 20 °C)
Drum pump	black/white	0,5 l/stroke

Drum pump with telescopic suction tube. Made of polypropylene and polyethylene with Nitrile rubber seals. G2" (m) bung adapter and outlet with 3/4" hose socket for max. 2 m long hose with open exit. Suction tube length 480-950 mm, Ø 27 mm

Description	Colour	Capacity (Engine oil 20 °C)
Drum pump	black/blue	0,3 l/stroke

### Hand Operated Diaphragm Pump

For transfer of different fluids. The pump can be used for drums ( with a special adapter kit included in 21221) or wall mounted. Lot of different fluids can be transfered, even contaminated fluids.

Description	Capacity (Engine oil 20 °C)
Diaphragm pump, bare pump.	25 l/min.
Diaphragm pump with accessories	25 l/min.

### Drum Adapters and Accessories

Description	Information	
Adapter	Mauser (m) - Trisure (f)	2310033
Lid for IBC	160x7mm, 56x4 Trisure (f)	2310039
Adapter	G3/4" (f) - DIN 61	2310045
Adapter*	G2" (f) -Trisure Ø 55 mm, pitch approx. 4 mm (m)	28235
Adapter	G2" (f) -Multi adapter with locking screw Ø55-65 mm(f)	28236
Adapter	G2" (f) -Midland	28234
Adapter	G2" (f) - Mauser Ø 68 mm, pitch approx. 6 mm (m)	28238
Adapter*	G2" (f) - Berg Ø 53 mm, pitch approx. 3,5 mm (f)	28239
Adapter	G2" (f) - DIN 70 (f) pitch approx. 6 mm	2310035
Adapter	G2" (f) - DIN 61 (f) pitch approx. 5 mm (IBC)	2310034
Adapter	G3/4" (f) - Trisure Ø 55 mm, pitch 4 mm (m)	2310037
Adapter	G3/4" (f) - DIN 70 (f) pitch approx. 6 mm	2310038
Adapter	DIN 61 suits the most IBC containers - Hose tail 25 mm (1")	28339
Adapter	G2" (f) - DIN 63 (f)	2310044

\* Not for 21210 and 21211.

Part No

21650  
21652  
  
21662  
24599  
2015259



21210  
21211



21130

21210

21022

21022

21130

21220  
21221



2310033  
2310039  
2310045  
28235  
28236  
28234  
28238  
28239  
2310035  
2310034  
2310037  
2310038  
28339  
2310044



## Hand Operated Pumps

### Drum Pump

Drum pumps made of Polypropylene or Nylon 6.  
G2" (m) bung adapter.

Description	Suction tube Length	Material in contact with the liquid
Drum Pump	1.000 mm	Nylon 6
Drum Pump	500 mm	Nylon 6
Drum Pump	1.000 mm	Polypropylene
Drum Pump	500 mm	Polypropylene

#### Part No

21027  
21047  
21028  
21048

21028  
21048

21027  
21047

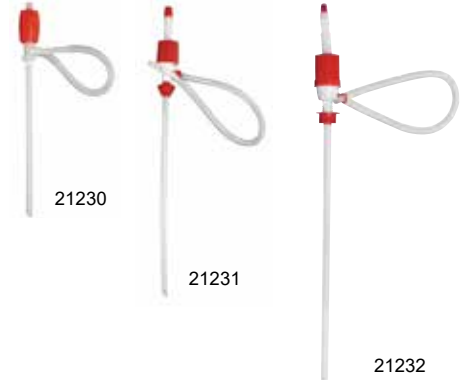


### Manual Syphon Pumps

Manual operated syphon pump with a polyethylene suction tube, made for different container sizes.

Description	Container	Tube length	Capacity
Suction operated	25 l	390 mm	6,5 l/min.
Piston operated	60 l	590 mm	10 l/min.
Piston operated	200 l	850 mm	18,5 l/min.

21230  
21231  
21232



### Battery Operated Pump

For transferring non-corrosive liquids. Simple push button operation, capable of pumping approx. 9 l/min. Ideal for transferring fluids from drums and 20 l jerry cans/ containers, etc. as well as being suitable for diesel, kerosene, light oils, water. Total length of the pump is 580 mm, suction tube of 380 mm & discharge hose of 600 mm. Powered by 2 'D' sized batteries.

21235



### Electrical Transfer Pump

For transfer of non corrosive fluids from drums or tanks. The pump can be use for the following fluids: diesel, mineral and synthetic oil, motor oil, antifreeze, water based fluids, etc. The pump include complete kit of accessories.

Description	Voltage	Power	Capacity
Transfer pump	230 V - 50 hz	200 W	40 l/min.

53720

Spare parts:  
Impeller

5330005



### Suction Pumps

For filling and emptying of small containers, gear boxes etc.

Description	Volume
Suction pump	500 cm <sup>3</sup>
Suction pump	800 cm <sup>3</sup>

21040  
21044



### Hand Pump

Simple hand pump. The nozzle is pressed against the fitting. Made of zinc coated steel.

Description	Volume	Dimensions
Hand Pump	150 cm <sup>3</sup>	Ø 44 x 245 mm

21019



### Lever Hand Pump

Outlet tube with hydraulic coupling included.

Description	Volume/stroke	Dimensions
Lever Hand Pump	1,8 - 2,0 cm <sup>3</sup>	310 x 160 x 90 mm

21046



## Drum Taps, Oil Cans, Measures etc.

### Drum Taps

Drum Tap for horizontal oil drums.

Description	Material	Conn. thread
Drum Tap, push valve	Aluminium, Nitrile rubber	G2" (m)
Drum Tap, ball valve	Brass	G3/4" (m)
Drum Tap, ball valve	Brass	G3/4" (m)
Drum Tap, ball valve	Stainless steel, Teflon	G3/4" (m)

### Drum Taps in Plastic

Drum taps for oil containers

Description	
Drum tap	DIN45 mm, pitch 4 mm
Drum tap	Ø 34 mm, pitch 3 mm
Drum tap	Ø 56 x 4 mm, Trisure
Drum tap	DIN71 mm, pitch 6 mm
Drum tap	DIN63 mm, pitch 4 mm
Drum tap	DIN61 mm, pitch 6 mm
Drum tap, brass	DIN71 mm, pitch 6 mm
Drum tap, brass	DIN61 mm, pitch 6 mm

### Oil Cans

Description	Volume
<b>Standard</b>	
Oil can, with rigid outlet tube	0,30 l
<b>Industry</b>	
Oiler with Double Pump	0,30 l
it is designed to dispense oil in any position.	
Oiler with Flexible metal hose 200 mm	0,30 l
Oiler with Brush Nozzle, the brush enables the operator to put a thin oil film on surfaces.	0,30 l
<b>Multi Purpose Oiler with Lockable Nozzle</b>	
Multi Purpose Oiler with Lockable Nozzle	0,125 l
Multi Purpose Oiler with Lockable Nozzle	0,25 l
Multi Purpose Oiler with Lockable Nozzle	0,5 l

### Plastic Measures

Measuring jugs with handle, made of heavy Polyethylene, resistant to oil, gasoline and chemicals.

Description	Volume	Flexible loose spout	Lid
Liquid measure	1 l		
Liquid measure	2 l	2010045	2010047
Liquid measure	3 l	2010045	2010047
Liquid measure	5 l	2010046	2010048

### Tin Measures

Description	Volume
Measuring jugs with handle, made of tinned metal, resistant to oil, gasoline and chemicals.	
Liquid measure	1 l
Liquid measure	2 l
Liquid measure	5 l
Liquid measure	10 l
Liquid measure	20 l

### Calibration Measure

To be used when meters must be calibrated.

Description	Volume
Calibration Measure	2 l

Part No

24506  
24626  
24627  
24580

24517  
24579  
24593  
24595  
24596  
24628  
24594 / 24596  
24629

21614  
21613  
21615  
21616  
21646  
21648

21625  
21626  
21657  
21627

21637  
21638  
21667  
21668  
21669

4342000



## Measures, Funnels & Wash/Oil Drain Bowls

### Graduated Measures

Measures moulded from high quality plastic in various sizes as a set.

#### Description

7 measures 0.1, 0.25, 0.5, 1.0, 2.0, 3.0 & 5.0 l

Part No

21609



### Oil Containers

Container with handle, made of heavy polyethylene. Filling hole with lid and capped nozzle

#### Description

Description	Volume
Oil Container	6 l
Oil Container	10 l

21644  
21645



### Funnels

Funnels with handle, made of chemical resistant Polyethylene with splash rim and removable brass strainer.

#### Description

Description	Volume
Funnel with straight spout	1,3 l
Funnel with spout off-set approx 180 mm	1,3 l
Funnel kit (Ø 65, 75, 100 och 120 mm)	0,05-0,27 l

21630  
21631

21633



### Anti-splash Funnel

#### Description

Ø 190 mm funnel with anti-splash rim, filter and flexispout.  
Ø 230 mm funnel with anti-splash rim, filter and flexispout.

21632  
21605

### Garage Funnel

#### Description

300 mm garage funnel with filter.  
300 mm garage funnel c/w diesel/water separator filter.

21606  
21607

### Tin Funnels

Funnels with handle, made of tinned metal, resistant to oil, gasoline and chemicals.

#### Description

Description	Dimension
Tin funnel	Ø 160 mm
Tin funnel	Ø 200 mm
Threaded spout	300 mm

21628  
21629  
21634



### Oil Drain & Parts Cleaning Pan

Handy oil drain & parts cleaning pan for washing small parts or for oil drain. Made of oil and chemical resistant polyethylene.

#### Description

Oil Drain & Parts cleaning pan with 8 ls capacity.  
Oil Drain & Parts cleaning pan with 14 ls capacity. Black  
Oil Drain pan with 8 l capacity. Black

21635  
21619  
21509



### Garage kit

Includes the most commonly used measures, funnels, container and oil drain.

21610



### Air Treatment Units

Description	Conn. thread	Consist of:
Air Treatment Unit	G1/4" (f)	42107, 42009, 42110, 301296

**Accessories:**

Bracket for Air Treatment Unit mounted on top of 22750-60 series pumps.  
Air hose for Air treatment unit

Part No

42103

2026154  
2226155

2026154

42103



2226155

### Air Line Hoses

For connection of pump to main air line, made of braided PVC, max. working pressure 1,5 MPa (15 bar), swaged couplings; one with swivelling nut and connection adapter (male/male).

Description	Hose Diameter	Length	Conn. thread
Air line hose	1/4" i.d.	1,5 m	G1/4" (m)
Air line hose	1/4" i.d.	3 m	G1/4" (m)
Air line hose	3/8" i.d.	1,5 m	G3/8" (m)
Air line hose	3/8" i.d.	3 m	G3/8" (m)
Air line hose	1/2" i.d.	2 m	G1/2" (m)

48001  
480013M  
48002  
480023M  
48017

48001



### Bung Adapters

With split collars for pump tube diameters shown below.  
G2" (m) thread for drum or drum covers.

**For pump tube**

diameter	Fits Orion pump models
32	22710, 22715, 22760, 22762
34	22810, 22815, 22819
35	For hose
50	22700, 22705, 22720, 22725, 22750, 22752, 22772
52	22800, 22802, 22805, 22820, 22825
54	22770, 22775

Dust cover for drum adapter

28585  
28594  
28587  
28595  
28592  
2125753

29057

28585



29057



### Wall Brackets and Floor Stands

For mounting of pump.

**Description**

Wall bracket G2" (f)  
Floor stand G2" (f)  
Wall bracket for Heavy Duty Pumps  
Floor bracket for Heavy Duty Pumps  
Wall bracket for Diaphragm Pumps 1/2"  
Wall bracket for Diaphragm Pumps 1"

28524  
28506  
28670  
28671  
28553  
28552

28506

28524



28553

### Drum Cover Protection (205 l Drums)

Keeps drum cover and surroundings clean.

No/box	Diam.	Absorbing capacity
25	Ø 56 cm	2 l/sheet
1	Ø 56 cm	2 l/sheet

34007  
34008



## Installation Accessories

### Pressure Relief Valve

For protection of equipment against system pressure increase due to heat expansion. (1 °C increase in temperature can cause 1,0 MPa, 10 bar increase in system pressure). Our 3:1 and 5:1 oil pumps are fitted with a pressure relief valve as standard.

Description	Information	Material	
Pressure relief valve	Releases pressure at 6 MPa (60 bar), with the possibility to connect a 1/4" hose or R1/8" fitting.	Steel	<b>28623</b>
Pressure relief valve	Releases pressure at 6 MPa (60 bar), with the possibility to connect a 1/4" hose or R1/8" fitting.	Brass	<b>28625</b>
Banjo fitting	G 3/4" (m/f) and G1/4" (f) to fit the PRV to pumps without special PRV connection	Steel	<b>28629</b>

#### Part No

28623



28629



### Pressure Relief Hoses

#### Description

Made of PVC to connect the PRV to a drum, L = 1,5 m, no fittings.  
Made of PVC to connect the PRV to a tank, L = 3 m, with fittings.

**28637**  
**28638**



28637



28638

### Distribution Hoses for Oil

Nitrile rubber hoses, 1/2" i.d. steel braided, PN 13,8 MPa (138 bar), swaged couplings G1/2" swivelling nuts, incl. two connection adapters, G1/2" (m) - G3/4" (m). Other lengths are available upon request.

Description	Length	
Distribution hose	2 m	<b>28009</b>
Distribution hose	3 m	<b>28010</b>
Distribution hose	4 m	<b>28011</b>
Distribution hose	5 m	<b>28012</b>
Distribution hose	6 m	<b>28013</b>
Distribution hose	8 m	<b>28015</b>



### Connection Oil Hoses

Connection hose of Nitrile rubber, wire braided, swaged couplings with swivelling nuts and adapter.

#### Description

Tank connection hose, Length 1,0 m, with one straight coupling, G1".

**28078**

Tank connection hose, Length 1,0 m, with one straight and one 90°-angle coupling, G1". Mainly used with pumps mounted in floor stands.

**28080**

Oil connection hose, Length 1,5 m, with two straight couplings, G1" and G3/4"

**28079**

Tank connection hose, Length 2,5 m, with one straight and one 90°-angle coupling, G3/4". Mainly used with pumps mounted in floor stands.

**28272**

Tank connection hose, Length 0,7 m, with two straight couplings, G2"

**28090**

28078



28080



28079



28090





### Drum Suction Attachments

Riser tube with foot valve and G2" bung adapter, hose 3/4" i.d., with swaged couplings G3/4" swivelling nut incl. adapters, G3/4" (m). Suction tube diameter for 28310 and 28311 Ø 42 mm.

Riser tube length	Hose dim.	Hose length
1,08 m	3/4"	2 m
1,7 m	3/4"	2 m
-	1"	5 m (max tank height 3 m)

Part No

28310



28310  
28311  
28321

28321



### Oil Filters

For mounting in pipe lines to prevent damage due to contamination. Body of aluminium.

Description	Conn. thread	Strainer rating	Max pressure
Oil filter	G3/4" (f)	20 µm	6 MPa (60 bar)
Oil filter	G3/4" (f)	10 µm	6 MPa (60 bar)
Cartridge for 24661		20 µm	
Cartridge for 24662		10 µm	

24661  
24662

2345892  
2345893



### Oil Strainers

For mounting in pipe lines to prevent meters being damaged due to contamination. Washable cartridge of stainless steel. Max 5 MPa (50 bar).

Conn. threads	Strainer rating	Body material	Dimensions
G1/2 "(f)	200 µm	Stainless Steel	
G3/4" (f)	200 µm	Stainless Steel	
In G3/4" (f) - Out G1/2 (f)	25 µm	Aluminium	Ø 60 x 111 mm

28022  
28059  
24583

28022 / 28059

24583



## Installation Accessories

### Hose Storage Rack

Designed for max. 30 m x 1/2"-hose, made of round iron, finished with brown epoxy lacquer.

Two fixing holes  $\varnothing$  6 mm for wall mounting.

Dimensions: approx. 200 x 300 x 120 mm (W x H x D).

Part No

28251



### Hose Storage Brackets

#### Description

A wall mounting bracket for storage of hoses, tools etc. Two fixing holes  $\varnothing$  5 mm.

For fixing to the wall to support hoses that otherwise would interfere with the work area. Two fixing holes  $\varnothing$  5 mm.

6027

28185

6027

28185



### Level Gauge

Level gauge with a litre scale for exact measurement of all types of fluids in drums. The gauge fits in the 3/4" hole of the drum. Easy to install.

#### Description

Level gauge

29120





### 3 Waste Oil

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## Suction & Waste Oil Pumps

### Suction & Waste Oil Pumps 1:1 & 5:1

Double acting, air operated oil pumps for non-corrosive liquids, waste oil etc. For wall or floor installation. The pumps are designed to create maximum vacuum and will not rush when there is no liquid in the suction side. Recommended when you can't control the pumping process or when using suction probes. **In other cases use the standard oil pumps (Refer to the oil section).** Bung adapter G2" (m) included (part no 28595).

<b>Pressure ratio</b>	1:1 5:1
<b>Capacity</b>	22802 Max 18 l/min., free flow at 1,0 MPa (10 bar) 22575 Max 38 l/min., free flow at 1,0 MPa (10 bar)
<b>Air pressure</b>	Max 1 MPa (10 bar)
<b>Connections</b>	Air: G1/4" (f) Oil: Inlet G3/4" (f) Outlet G1" (f)

Part No

22802

22575

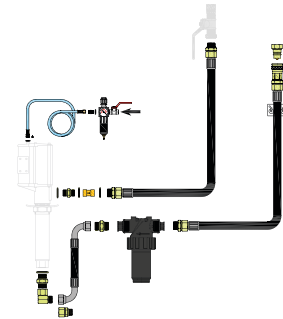
22802  
22575

### Wall Mounted Pump Installation Kit

Components for a wall mounted air operated oil pump, non return valve (28295) included.

With air treatment unit and oil filter (29300)  
Without air treatment unit and oil filter

**NOTE! Pump not included.**  
Select a pump 22800, 22802 or 22575.

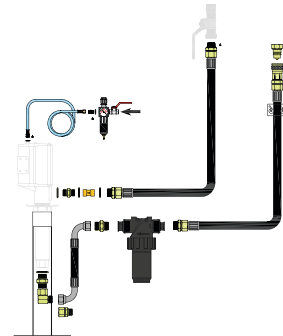
99631  
99731

### Floor Mounted Pump Installation Kit

Components for a floor mounted air operated oil pump, non return valve (28295) included.

With air treatment unit and oil filter (29300)  
Without air treatment unit and oil filter

**NOTE! Pump not included.**  
Select a pump 22800, 22802 or 22575.

99632  
99732

## Suction & Waste Oil Pumps

### Air Operated Diaphragm Pump 1:1

Transfer pump for connection to bulk tank or drum.  
Double acting air operated pump for transferring oil and non-corrosive liquids.

**Pressure ratio 1:1**

**Capacity** Max 100 l/min., free flow at 0,7 MPa (7 bar).  
**Air pressure** 0,15 MPa (1,5 bar) - 0,8 MPa (8 bar)  
**Connections** Air: G3/8" (f)  
Oil: inlet-outlet G1" (f)

**Pressure ratio 1:1**

**Capacity** Max 200 l/min., free flow at 0,7 MPa (7 bar).  
**Air pressure** 0,15 MPa (1,5 bar) - 0,8 MPa (8 bar)  
**Connections** Air: G3/8" (f)  
Oil: inlet-outlet G1" (f)

### Magnetic Feet, Rubber Covered

for mounting the diaphragm pump on steel drums or tanks. Set of 4 pcs.

### Wall Mounted Diaphragm Pump Installation Kit

Components for a wall mounted air operated diaphragm pump, non return valve (28295) and strainer included.

Installation kit for 22320 with air treatment unit and oil filter (29300)  
Installation kit for 22320 without air treatment unit and oil filter

*NOTE! Pump not included.*

### Waste Oil Suction Kit with Suction Probes and Hose Reel (6 m)

Complete kit to drain waste oil using probes. The kit includes the following: hose reel 36441, suction pump 22802, wall bracket, quick coupling with suction probes 2295014, suction strainer with vacuum gauge and air quick coupling. Capacity when using Ø 8 mm suction probe (engine oil +60 °C): 2 l/min.

**Description**

Waste oil suction kit with suction probes and hose reel

Probe bracket with quick coupling and suction probes, to be mounted on the wall

### Waste Oil Suction Unit

Stationary waste oil suction unit with air operated piston pump. The unit is installed at the service bay and enables the cleanest method of waste oil collection. An air operated piston pump sucks out the waste oil and transfers it directly to a remote storage tank. Waste oil is sucked out through a probe or connector inserted in place of the oil dip stick. Suction hose length 4 m. Dimensions: 1400 x 500 x 280 mm.

**Description**

Waste oil suction kit with suction probes

Part No

22320

98876



Body	Valves	Diaphragm	Other wetted materials
Aluminium	NBR	NBR	Teflon®, Stainless steel

22320

Aluminium	NBR	TPE	Buna-N, Stainless steel
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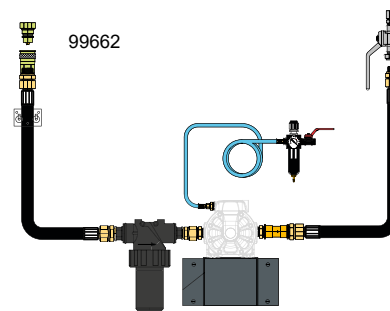
22332

98876

99662

99762

99662



SPEC6044

2295014



39715



## Accessories

### Pump Timer

With the timer installed in the air supply line it is possible to set a run time for the pump, to increase the lifetime of the pump, by reducing the time when the pump is running without liquid. The timer can be set between 0 - 120 minutes.

Description	Connection Threads	Max. pressure	Weight
Pump timer	In: G1" or G3/4" or G1/2"(f) Out: G3/4" (m)	8 bar	0,2 kg

Part No

23008



### Non Return Valve

Connects to the pump outlet. Connection G3/4" (f).

28295



### Bracket

Bracket to keep the waste oil hose off the floor.

28325



### Suction Strainer for Waste Oil

The polypropylene strainer housing is resistant to most fluids used in a modern car workshop and equipped with a 32 mesh stainless steel filter cartridge. (Equivalent to ~0.6 mm perforations). The filtration is sufficient to prevent harmful particles from entering the pump and the washable strainer should be cleaned regularly to remove any contamination. The two 1/4 BSP (f) threads on the top of the strainer can be used to attach vacuum gauges. The strainer is delivered without a hole down to the strainer chamber. When attaching a vacuum gauge a Ø 3 mm hole must be drilled in the bottom of the 1/4 BSP port. Attaching two vacuum gauges will indicate the pressure drop over the cartridge.

<b>Max work pressure:</b>	20 Bar
<b>Max vacuum:</b>	-1 Bar (100% vacuum)
<b>Max working temperature:</b>	+80 °C (temporary +100 °C)
<b>Dimension:</b>	H x W x D 280 x 146 x 92
<b>Weight:</b>	~1 kg
<b>Effective strainer area:</b>	115 cm <sup>2</sup>
<b>Connection thread:</b>	1/4" BSP (f)

#### Description

Suction Strainer

Vacuum Gauge

Lock nut for gauge. Used to lock the gauge in a readable position

Extra strainer insert, 32 mesh

Spare o-ring for the strainer)

Installation kit for connection direct to the pump foot valve on suction pumps 1:1 and 5:1, including following components. A, B, C, D, G (H and I).

Installation kit if the strainer is installed remote from the pump. A hose will be required including following components. A, B, C, E, F, G (H och I).

Installation kit, for connecting direct to the 2:1 ratio suction pump including the following components: pos. C, D, G (H och I).

29300

2326013

1988211

2390169

2390178

2490171

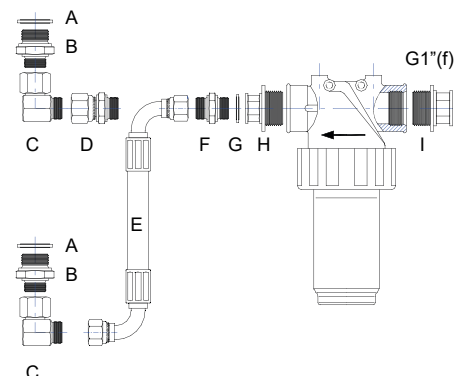
2490172

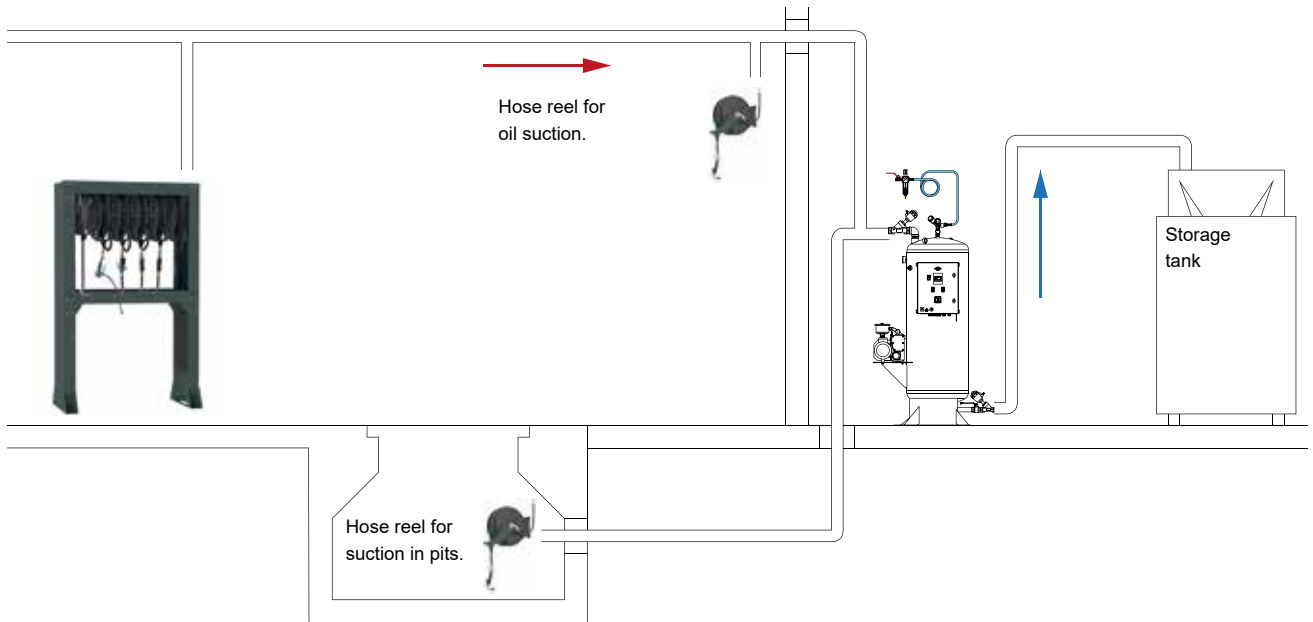
2490173

Gauges  
2326013 not  
included



29300





## Automatic Vacuum unit for up to 8 Work Places in Simultaneous Use

High Vacuum automatic unit for use in centralized waste oil suction systems in large vehicle maintenance workshops. The unit is easy to install and does not require any special on site adjustments. It simply requires connecting to a compressed air supply (8 bar maximum pressure) and to a 400 V power supply, once the unit is connected to the waste oil storage tank pipeline and the vacuum line have been.

- Vacuum reservoir is discharged by pressure once it is full with waste oil.
- The unit includes two level sensors that control the automatic discharge of the reservoir to a remote storage tank. Once the discharge is completed, the unit automatically generates the optimal vacuum conditions again.
- Maximum vacuum in reservoir: 99%.
- Electronic control board for controlling main functions and manual discharge knob.

*The units are designed and manufactured for use with waste oil only.*

### Vacuum unit for 2 to 7 work places

500 l vacuum reservoir that is automatically discharged to the storage tank.  
Automatic start/stop by pressure control.

<b>Dimensions:</b>	1.200 x 1.050 x 2.100 mm
<b>Power:</b>	0,75 kW
<b>Electric connection:</b>	400 V
<b>Noise level:</b>	62 dBA



Part No

29736

29736



## Hose Reels for Waste Oil Suction

### Hose Reel for Waste Oil Suction

Open hose reel, series ORK. Delivered with handle for quick connection/change of the probes.

Description	Hose diam.	Hose lengths (metres)
Series ORK	3/4"	6 m

Part No

34442

### Hose Reel for Waste Oil Suction

Open hose reel, series ORS. Delivered with handle for quick connection/change of the probes.

Description	Hose diam.	Hose lengths (metres)
Series ORS	5/8"	6 m

34462

### Hose Reel for Waste Oil Suction

Cased hose reel, CRO Series. Delivered with handle for quick connection/change of the probes.

Description	Hose diam.	Hose lengths (metres)
Series CRO	5/8"	6 m

34452

### Hose Reel for Waste Oil Suction

Cased hose reel, CRK Series. Delivered with handle for quick connection/change of the probes.

Description	Hose diam.	Hose lengths (metres)
Series CRK	5/8"	6 m

34464



## Accessories for Waste Oil Suction

### Description

Probe Kit comprising a probe holder, VAG adapter, BMW adapter, two plastic probes 700 mm long Ø 6 and 8 mm, two metal tubes 700 mm long Ø 5 and 6 mm and a 1.000 mm long plastic probe Ø 8 mm.

2295014

Suction Hose, to be connected to the hose reel, 0,7 m, with strainer (29312) and used together with probe kit 2295014 (Mercedes adapter included).

2295104

Same suction hose but without accessories.

2195075

Suction Strainer, to be connected between the hose reel and the suction hose, o prevent contamination entering to the hose and pump.

29312

Probe ø 8 x 1300 mm

737959

*For optimum capacity, always choose the largest diameter and the shortest possible length of hose!*





### Waste Oil Arm with 5:1 Pump

An alternative solution with a pneumatic adjustment of the bowl and pump level for emptying waste oil. Bowl dimension 700 x 300 mm (approx. 30 l). Connected with quick couplers.

**Description**

Waste Oil Arm with 5:1 pump  
Quick Coupler Kit  
Rail 4 m with fastening Kit

Waste Fluid Arm with 5:1 pump, green bowl  
Quick Coupler Kit for 39711

Part No

39710  
2395069  
2395080

39711  
2395140



### Waste Oil Bowl in Pit

This system is designed for use in lubrication pits but can also be used with lifts. The collector arm is connected to the drain bowl (24555). Oil is gravity fed into a 25 l tank with a float switch, which controls the air supply to the discharge pump. When maximum level is reached in the 25 l tank the air operated pump starts and the waste oil is pumped to a remote container tank.

### Collection Bowl for Cars

Swivel arm collector bowl with adjustable height and strong swivel joints. Constant flow rate independent of bowl height.

Description	Bowl dimension	Capacity	Connection thread
Collection bowl	700 x 250 mm	approx. 18 l	G 1 1/2" (f)

24555



### Collection Bowl for Commercial Vehicles

Complete set, with swing arm and support bar on castors.

Description	Bowl dimension	Capacity	Connection thread
Collection bowl	1.000 x 400 mm	approx. 50 l	G 1 1/2" (f)

24549



### Automatic Emptying Unit

The automatic emptying unit consists of a 25 l collector tank with float switch and an air operated (1:1) transfer pump with wall bracket and all necessary oil and air line accessories.

Description	Connection threads
Automatic emptying unit	Pump: Air inlet G1/4" (f)
	Oil outlet G3/4" (f)
Tank:	Oil inlet (from 24555 or rail system) G1 1/2" (f)

SPEC6011



## Pit Platform and Lift

### Waste Oil Unit for Pit Use

With adjustable wheels for mounting on pit rails. The unit can be emptied by a pump system, 29068 must be fitted with a quick coupling set (29108) for easy connection of the discharge hose. See page 48.

Description	Volume (approx.)	Dimensions (L x W x H)	Weight (approx.)
Waste oil unit for pit use	90 liter	1.030-1.450 x 820 x 460 mm	45 kg
Quick coupling set, must be used when emptying with discharge pump.			

Part No

39068

39068  
29108

### Pit Platform

The pit platform runs on a rail fixed to the pit floor and is height adjustable, enabling ease of access to all the places under the vehicle. Driven by compressed air it has the capacity to lift a person and tools. Standard accessories include a tool tray, air connection and brake. Safety features include trap protection.

Description	Lift capacity		WxD
	Height	Weight	
Pit Platform	670 mm	200 kg	1.200 x 840 mm

64000



### Hydraulic Pit Lift

Hydraulic pit lift for heavy transport vehicles. The carriages are manufactured for all types of inspection pits (ask for a form to submit your pit dimensions).

Three modes of operation: Neutral, fast moving and lifting mode. When released the valve automatically returns to neutral mode and the lift is locked in the existing height mode.

Min height above floor:	100 mm
Hoist travel:	500 mm
Lifting time:	appr. 40 sec.

The lift can be supplied with a piston extension for lifts up to 900 mm.

Description	Capacity	Max air pressure
Hydraulic Pit Lift	15.000 kg	8 bar

64010



## Mobile Waste Oil Units

Waste oil units for gravity collection of motor and gear oil into a 20 l bowl. All units can be used underneath lifts or in pits. The unit can be discharged by gravity, air pressure or be emptied by a pump on the unit or externally placed. Discharged by air pressure is carried out through a 2 m hose with the unit connected to a tyre inflator. A safety valve ensures that the pressure never exceeds 0,5 bar. Some of the units can be used for pneumatic suction through suction probes. Vacuum is generated by an ejector on the unit, driven by 7 - 10 bar air pressure. Once the vacuum is generated they can be used without being connected to the airline. Some models are fitted with a transparent 10 l container, to measure the volume of oil evacuated. Vacuum units are delivered with a probe kit comprising a probe holder, Mercedes adapter, VAG adapter, BMW adapter, two plastic probes 700 mm long Ø 6 and 8 mm, two metal tubes 700 mm long Ø 5 and 6 mm and a 1.200 mm long plastic probe Ø 8 mm. All units are suitable for all non-corrosive fluids.

**NOTE!** Do not use for volatile or highly inflammable liquids like petrol (gas).

### 100 l Capacity Waste Oil Container with a Unique Bowl Design

The container is fitted with an asymmetric swivelling bowl with a specially designed anti splash mesh. The top of the container has a fixed tray for tools, washers, oil plugs etc. The base has a special outlet hose holder.

Description	Dimension (W x D x H)	Weight
Waste Oil Container	630 x 500 x 1.500-2.000 mm	28 - 33 kg

#### Description

Waste Oil Container, Standard

Waste Oil Container with ejector and suction probes

Waste Oil Container with ejector, suction probes and transparent vacuum chamber

Waste Oil Container with ejector and suction probes, without bowl

#### Spare parts:

Extension bowl

Metal bowl with down tube

Metal bowl only

Vacuum gauge

Level tube with connectors

#### Part No

39505

39507

39508

39517

2295081

2295013

2295087

2395083

2426424



39505



39507



39508



39517

### 65 l Capacity Waste Oil Container with a Bowl

Small efficient unit, just what you need, perfect for the small garage. Accessories are the same as for the 100 l unit.

#### Description

Waste Oil Container, Standard

Waste Oil Container with ejector and suction probes

Waste Oil Container with ejector, suction probes and transparent vacuum chamber

Waste Oil Container with ejector and suction probes, without bowl

#### Spare parts:

Level tube with connectors

39405

39407

39408

39417

2426424



39405



39407



39408



39417

For other configurations, contact us!

## Mobile Waste Oil Units

### 24 I Mobile Waste Oil Suction Unit

24 L capacity waste oil suction unit with 2 m oil suction hose.

**Description**

Waste Oil Container with ejector and suction probes

Part No

39049

39049



### 35 I Mobile Waste Oil Unit for Motor Bikes

35 L capacity waste oil unit with a low bowl for motor bikes. The unit can be discharged by gravity or air pressure.

**Description**

Waste Oil unit for Motor Bikes

39551

39551



### 65 I Waste Oil Container with a Flex Bowl

Can be used under lifts, when the vehicle is on the floor. Suitable for all non-corrosive liquids. The container is emptied by compressed air using a tire pressure gauge. A safety valve ensures that the pressure never exceeds 0,5 bar.

**Description**

Waste Oil Container with ejector.

39430



### Accessories for the 395 and 394 Series Units

**Description**

Probe Kit comprising a probe holder, VAG adapter, BMW adapter, two plastic probes 700 mm long Ø 6 and 8 mm, two metal tubes 700 mm long Ø 5 and 6 mm and a 1.000 mm long plastic probe Ø 8 mm.

Probe Ø 8 x 1300 mm

Transparent vacuum chamber with ejector

Quick Coupling Kit, to be used when emptied using an external discharge pump.

Pump kit for pumpaway, to be fitted on to the unit (39505, 39405). Pump 22800 included.

Pump kit for pumpaway and suction from engines, to be fitted on to the unit (39505, 39405). Pump 22802 included.

Waste oil filter, for use on waste oil containers to prevent contamination from entering the pump. G3/4" (m). 32 mesh.

Quick coupler G3/4" (f), fits older standard in plastic

2295014

737959

2295015

2295117

29320

29325

29310

2085478

2295014



737959

2295117

### Waste Oil Bowl for Drums

Waste oil bowl, with adjustable bung adapter, G2" (m), suitable for mounting in a 200 l or 60 l drum. Ø 480 mm.

Description	Adjustable height	Bowl volume	Weight
Waste oil bowl	approx. 600 mm	approx. 20 l	5 kg

Part No

26502



### Low Level Mobile Drainer. Units with 20 l to 200 l Capacity

Gravity drain collection unit which is discharged using a wall mounted pump kit and quick coupling set.

Description	Volume (approx.)	Dimension (L x W x H)	Weight (approx.)
Low level mobile drainer	200 l	1.450 x 820 x 360 mm	60 kg
Low level mobile drainer,	95 l	1.250 x 610 x 260 mm	44 kg
Low level mobile drainer,	20 l	770 x 470 x 130 mm	18 kg

Quick coupling set, must be used when emptying with discharge pump

29077

39075

39073

29108



29077



39075



39073

### Collection and Refilling Unit for Coolants

Suitable for draining and refilling the same liquid after completing the service. Consists of a low level waste oil unit (39075), liquid pump (24564), valve (24675), strainer (28303) and filter rug (29138).

Description	Volume (approx.)	Dimension (L x W x H)	Weight
Collection unit	95 l	1.250 x 610 x 260 mm	51 kg

39004



### "Filter rug"

30 mm (1 1/4") thick, for use in waste oil bowls to prevent splatter and contamination entering the discharge pump.

1060 x 400 x 30 mm, fits 39001

1200 x 400 x 30 mm, fits 39075 and 39004

650 x 290 x 30 mm, fits 39710 and 39711

29139

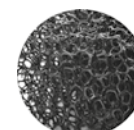
29138

1018095

29139

1060 mm (42")

400 mm (16")



Texture

## Suction Units

### Hand Operated Suction Unit

For evacuating up to 4 l of liquid using a pre-pumped vacuum. Ideal for evacuating motor oil from lawnmowers, or other liquids from hard-to-access areas. The container can be emptied into a collection tank after the pump is disconnected.

Container, hose and suction probe made of high-quality plastic, pump tube and control valve made of brass. With vacuum meter. Max liquid temperature +30 °C. Weight 1,4 kgs.

Description	Work.Pressure	Pressure Generator	
Suction unit, 4 l	- 0,7 bar vacuum	Hand pump	1, 4 kg

Part No

3253P



### Suction Pump

For filling and emptying small containers, gear boxes etc.

Description	Volume
Suction pump	500 cm <sup>3</sup>
Suction pump	800 cm <sup>3</sup>

21040  
21044

### Oil Drain & Parts Cleaning Pan

Handy oil drain & parts cleaning pan for washing small parts or for oil drain. Made of oil and chemical resistant polyethylene.

Description	Capacity	Dimensions mm
Oil Drain & Parts cleaning pan	8 l	Ø 310, h=105
Oil Drain & Parts cleaning pan	14 l	Ø 500, h=160
Oil Drain pan	8 l	490 x 300 x 120

21635

21619

21509

21635



21619



21509



### Brake fluid drainer and bleeder

Equipment for bleeding the break or clutch circuit in any motor vehicle. The unit includes: Set of five coupling plugs for connection to the deposit of the brake fluid circuit. Universal adapter plug. Set of drain deposits with adapters for the bleeding valve

Description	Capacity
Brake fluid drainer and bleeder	5 l

39560

### Universal drainer and brake bleeder

Can be used in two ways: oil extraction in small engines such as boats, motorcycles or the extraction of liquid waste in hard to reach places. Can also be used to bleed the brake fluid circuit without operating the brake pedal, a special nozzle is then used.

Description	Capacity
Fluid drainer and bleeder	0,75 l

39570





### Air Operated Vacuum Pump/Liquid Pump

A reliable drum mounted vacuum pump for fast emptying of cutting fluids, paint sludge, water, waste oil etc. from machine tools, spray booths, engines or other machines. The vacuum is easily adjusted with a needle valve and is indicated on a gauge. When the drum is full, the pump stops automatically and an indicator shows current status.

#### Vacuum Pump, Basic Model

Basic model, comprising pump body and bung adapter only, for mounting in drums or tank with G2" (f) thread.

Description	Dimensions	Airconsumption	Connection
Vacuum pump, basic model	170 x 170 x 70 mm	approx. 60 l/min.	Air: G1/4" (f) Suction hose: Ø 25 mm

#### Vacuum Pump with Air Connection Kit

Vacuum pump (22582) complete with air connection kit (22587)

Description	Connection
Vacuum pump, with air connection kit	Air: 1/4" hose socket

#### Vacuum Pump with Suction Hose

Vacuum pump (22584) complete with suction hose (22588).

Description	Connection
Vacuum pump, with suction hose	Air: 1/4" hose socket

#### Vacuum Pump with Air Connection Kit and Suction Probes

Vacuum pump (22582) complete for evacuating oil through suction probes inserted into the crankcase, gearbox, etc. Complete with air connection kit (22587), suction hose & probe kit (2295014).

Description	Connection
Vacuum pump, with suction hose, air connection kit and suction probes	Air: 1/4" hose socket

Part No



22582

22584

22585

22586

## Vacuum Pump

### Accessories for Vacuum Pump

Pos	Description	Remark
A	Air connection kit	Consisting of shut-off valve, gauge, nipple, quick coupling and hose clamp
B	Suction hose	Consisting of hose (Ø 25 mm, length 2,2 m) and aluminium tube length 200 mm
C	Suction probe kit	Probe Kit comprising a probe holder, VAG adapter, BMW adapter, two plastic probes 700 mm long Ø 6 and 8 mm, two metal tubes 700 mm long Ø 5 and 6 mm and a 1.200 mm long plastic probe Ø 8 mm
C	Suction probe kit	same as above with a wall bracket
D	Suction hose	2 m suction hose with handle and valve to be used with suction probe kit 2295014
E	Suction tube	Aluminium, length approx. 1 m
F	Gauge	Indicates vacuum, 0 to -1 bar
G	Bung adapter	To be used when the vacuum pump is frequently moved between different containers
H	Reducer	To be used when connecting the suction hose to the vacuum pump
H	Probe	Ø 8 x 1300 mm

#### Part No

22587

22588

2295014

28291

2295018

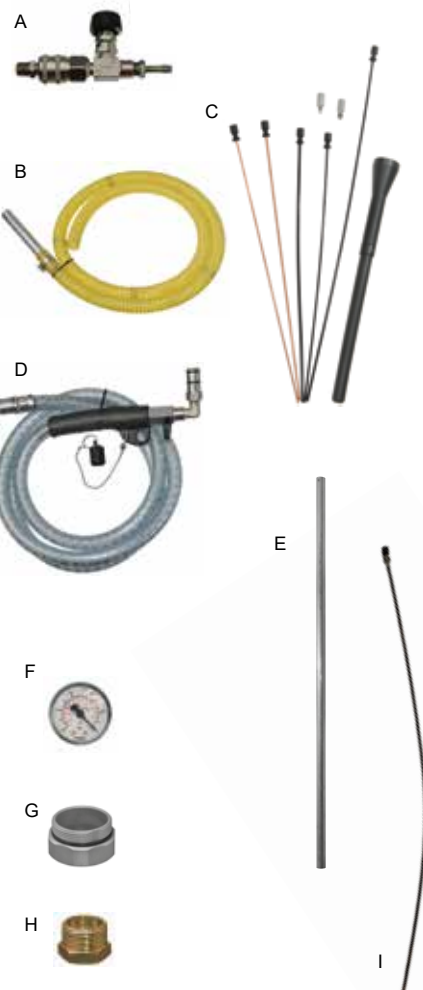
2090151

2326013

2085147

25201297

737959



### Portable Suction Drain Unit, OriCan

This unit can be used to drain most fluids - even heavily contaminated - from machinery, engines, gear boxes, coolant containers, etc. The unit consists of an air operated vacuum pump 22585, fitted to an OriCan container made of polyethylene, with carrying handle and Ø 100 mm filling hole. Including 2,2 m suction hose (22588). Suction capacity max. 60 l/min. (water) Max. vacuum 50%. Max. temperature +60 °C.

Description	Dimension (W x D x H)	Air consumption (approx.)	Volume (approx.)	Weight (approx.)
OriCan	150 x 385 x 600 mm	60 l/min.	16 l	4,3 kg

### Accessories OriCan

Description	Volume (approx.)
OriCan, container only	16 l
Pump adapter, G 2" (f) - G2" (f)	

22590

1085112

1085076

22590







## 4 Air

Hose Reels .....	64
FRL-Units .....	66
Valves, Blow Gun and Tyre Inflators.....	67
Quick Connectors .....	68



## Spring Operated Hose Reels

### Series ORK, ORM

Open hose reel.

	Length m	Diameter mm-inch	Conn. threads		Work. Pressure		
			In	Out	MPa	bar	
Series ORK	10	10 - 3/8"	G1/2" (m)	G1/4" (m)	2,0	20	45122
Series ORM	15	12,5 - 1/2"	G1/2" (m)	G1/2" (m)	2,0	20	45135

Part No



### Series ORS

Open hose reel in aluminum and composite.

	Length m	Diameter mm-inch	Conn. threads		Work. Pressure		
			In	Out	MPa	bar	
Series ORS	10	10 - 3/8"	G1/2" (m)	G3/8" (m)	2,0	20	45222
Series ORS	15	10 - 3/8"	G1/2" (m)	G3/8" (m)	2,0	20	45225
Series ORS	15	12,5 - 1/2"	G1/2" (m)	G1/2" (m)	2,0	20	45235



### Series OR

An open hose reel with longer hose lengths. If mounted to the ceiling the hose guide must be located to give correct hose direction. The hoses are fitted with swaged couplings.

	Length m	Diameter mm-inch	Conn. threads		Work. Pressure		
			In	Out	MPa	bar	
Series OR	20	12,5 - 1/2"	G1/2" (m)	G1/2" (m)	1,8	18	45336



### Series ORB

Extra Heavy Duty open hose reel with longer hose lengths for oil and air. All hoses are fitted with swaged couplings.

	Length m	Diameter mm-inch	Conn. threads		Work. Pressure		
			In	Out	MPa	bar	
Series ORB	15	25,4 - 1"	G1" (f)	G1" (f)	1,5	15	45665
Series ORB	30	12,5 - 1/2"	G1/2" (f)	G1/2" (f)	1,5	15	45638



## Spring Operated Hose Reels

### Series CRO

Medium sized enclosed hose reel.  
The hose reel can be mounted to the ceiling, the wall or the floor. The wall bracket can easily be moved to fit other installations.

	Length	Diameter	Conn. threads		Work. Pressure		Part No
	m	mm-inch	In	Out	MPa	bar	
Series CRO	10	10 - 3/8"	G1/2" (m)	G3/8" (m)	2,0	20	<b>46222</b>
Series CRO	15	10 - 3/8"	G1/2" (m)	G3/8" (m)	2,0	20	<b>46225</b>
Series CRO	15	12,5 - 1/2"	G1/2" (m)	G1/2" (m)	2,0	20	<b>46235</b>



### Series CRK

Medium sized enclosed hose reel.  
The hose reel can be mounted to the ceiling, the wall or the floor. The wall bracket can easily be moved to fit other installations.

	Length	Diameter	Conn. threads		Work. Pressure		Part No
	m	mm-inch	In	Out	MPa	bar	
Series CRK	10	10 - 3/8"	G1/2" (m)	G3/8" (m)	2,0	20	<b>46422</b>
Series CRK	15	10 - 3/8"	G1/2" (m)	G3/8" (m)	2,0	20	<b>46425</b>
Series CRK	15	12,5 - 1/2"	G1/2" (m)	G1/2" (m)	2,0	20	<b>46435</b>



### Series CRS

Enclosed hose reels for air, supplied complete with a pivoting wall bracket. Hoses are fitted with swaged couplings.

	Length	Diameter	Conn. threads		Work. Pressure		Part No
	m	mm-inch	In	Out	MPa	bar	
Series CRS	12	8 - 5/16"	G3/8" (m)	G1/4" (m)	2	20	<b>46314</b>
Series CRS	15	8 - 5/16"	Hose 5/16"	G1/4" (m)	2	20	<b>46315</b>
Series CRS	10	10 - 3/8"	G3/8" (m)	G3/8" (m)	2	20	<b>46322</b>
Series CRS	12	10 - 3/8"	Hose 5/16"	G3/8" (m)	2	20	<b>46324</b>



For the complete range of hose reels see the chapter 8!

## Air Treatment Units (FRL)

### Air Treatment Units

These air treatment units combine the best of design with proven materials and production methods. They can handle air flows up to 900 l/min.  
 Material: Zinc. Volume 40 cm<sup>3</sup> (filter/regulator), 50 cm<sup>3</sup> (lubricator), max working pressure 1,2 MPa (12 bar), temp.+5° to +60 °C

Description	Conn. thread	Consist of:	Part No
Air treatment unit	G1/4" (f)	42107, 42009, 42108, 42110, 42125	<b>42105</b>
Air treatment unit	G1/4" (f)	42107, 42108, 42112	<b>42104</b>
Air treatment unit	G1/4" (f)	42107, 42009, 42110, 301296	<b>42103</b>
Adapter bracket to connect filter regulator and lubricator, G 1/4" (m)			<b>42125</b>



### Shut-off Valve

Shut-off valve with downstream air bleed. Material: Brass.

Description	Conn. thread	Max working pressure	Part No
Shut-off valve	G1/4" (f)	1,4 MPa (14 bar)	<b>42009</b>



### Filter-regulator

Filter-regulator 0-1 MPa, lockable, two stage filtration, 5 µm filter element.  
 Material: Zinc

Description	Conn. thread	Volume	Max working pressure	Temp	Part No
Filter-regulator	G1/4" (f)	40 cm <sup>3</sup>	1,2 MPa (12 bar)	+5 till +60 °C	<b>42107</b>



### Lubricator

Air line lubricator with fill port and adjustment knob.  
 Material: Zinc.

Description	Conn. thread	Volume	Max working pressure	Temp	Part No
Lubricator	G1/4" (f)	50 cm <sup>3</sup>	1,2 MPa (12 bar)	+5 till +60 °C	<b>42108</b>



### Air Treatment Units, 1/2"

These air treatment units combine the best of design with proven materials and production methods. Material: Zinc. Max working pressure 1,2 MPa (12 bar), temp.+5° to +60 °C.

Description	Conn.thread		Part No
Air treatment unit	G1/2" (f)	Filter regulator, Lubricator, gauge	<b>42120</b>
Filter Regulator	G1/2" (f)	Filter regulator, gauge	<b>42121</b>
Lubricator	G1/2" (f)	Lubricator	<b>42115</b>
Adapter bracket to connect filter regulator and lubricator, G 1/2" (m)			<b>42124</b>



### Accessories

#### Description

Wall bracket, for filter-regulator (1/4")

Wall bracket, for filter-regulator (3/8" & 1/2")

Pressure gauge, ø 40 mm, 0-1,6 MPa (0-16 bar), Conn. thread G1/8" (m)

Adapter, G 1/4" (m)

Adapter, G 1/2" (m)

**42110**

**42123**

**42112**

**301296**

**301298**

42112

42110



301296



## Shut-off Valves, Blow Gun & Tyre Inflators

### Shut-off Valves

Ball valves made of brass with PTFE-seals, long or short levers, intended for oil and air lines.

Description	Conn. thread (f)	Work pressure	Lever	Part No
Ball valve	G3/8"	6,4 MPa (64 bar)	Long	30101117
Ball valve	G1/2"	6,4 MPa (64 bar)	Long	30101093
Ball valve	G3/4"	4,0 MPa (40 bar)	Long	30101111
Ball valve	G1"	4,0 MPa (40 bar)	Long	30101081
Ball valve	G1 1/4"	2,5 MPa (25 bar)	Long	30101087
Ball valve	G1 1/2"	2,5 MPa (25 bar)	Long	30101084
Ball valve	G2"	2,5 MPa (25 bar)	Long	30101102
Ball valve	G1/4"	6,4 MPa (64 bar)	Short	30101129
Ball valve	G3/8"	6,4 MPa (64 bar)	Short	30101144
Ball valve	G1/2"	6,4 MPa (64 bar)	Short	30101123
Needle valve	G1/4"	2,5 MPa (25 bar)	Knob	28513



### Blow Gun

Blow gun for efficient cleaning, made of impact resistant plastic with ergonomically designed handle. Tube length approx. 100 mm.

Description	Conn. thread	Part No
Blow gun	G1/4" (f)	44503



### Industrial Blow Gun

Blow gun manufactured with a durable cast aluminum body with ergonomic grip. Includes a safety nozzle that increases the air thrust with a reduction of the noise level and minimum air consumption.

Description	Conn. thread	Part No
Blow gun	G1/4" (f)	44504



### Tyre Inflator

Accurate, ergonomic and durable Tyre Inflator for all needs of tire inflation. To be connected to the compressed air line. The gauge is protected by a rubber cover.

Description	Conn. thread	Pressure range	Hose length	Part No
Tyre Inflator	G1/4" (f)	0-12 bar	66 cm	44635
Tyre Inflator Valve	G1/4" (f)	0-12 bar	-	44640



### Air Line Hoses

To connect the pump air motor to an air main line. Made of braided PVC, max. working pressure 1,5 MPa (15 bar), swaged couplings; one with swivelling nut and connection adapter (male/male).

Description	Hose Diameter	Length	Conn. thread	Part No
Air line hose	1/4" i.d.	1,5 m	G1/4" (m)	48001
Air line hose	1/4" i.d.	3,0 m	G1/4" (m)	480013M
Air line hose	3/8" i.d.	1,5 m	G3/8" (m)	48002
Air line hose	3/8" i.d.	3,0 m	G3/8" (m)	480023M
Air line hose	1/2" i.d.	2,0 m	G1/2" (m)	48017



## Quick-couplings for Compressed Air

### Hose Adapters

Hose Ø	Thread
1/4"	G1/4" (m)
5/16"	G1/4" (m)
3/8"	G1/4" (m)
1/4"	G3/8" (m)
5/16"	G3/8" (m)
3/8"	G3/8" (m)
1/2"	G3/8" (m)
1/4"	G1/2" (m)
3/8"	G1/2" (m)
1/2"	G1/2" (m)
3/4"	G1/2" (m)

#### Part No

48510  
48511  
48512  
  
48540  
48541  
48542  
48543  
  
48603  
48600  
48601  
48602



### Quick-Coupling

Thread
G1/4" (f), small model
G3/8" (f), big model
G1/2" (f), big model

44516  
44521  
44531



### Nipples

Thread	For Quick-Coupling
R1/8" (m)	44516
R1/4" (m)	44516
R3/8" (m)	44516
G1/4" (f)	44516
G3/8" (f)	44516
R1/4" (m)	44521/44531
R3/8" (m)	44521/44531
R1/2" (m)	44521/44531
R3/4" (m)	44521/44531
G3/8" (f)	44521/44531
G1/2" (f)	44521/44531

48500  
48501  
48502  
  
48503  
48504  
  
48594  
48530  
48590  
48592  
  
48531  
48591



### Hose Connector

Hose Ø	For Quick-Coupling
1/4"	44516
5/16"	44516
3/8"	44516
1/4"	44521/44531
5/16"	44521/44531
3/8"	44521/44531
1/2"	44521/44531

48520  
48521  
48522  
  
48550  
48551  
48552  
48553



### Quick-Couplings for Compressed Air

Profile fits Tema 1600 and Cejn 320.

Description	Connection	Part No
Nipple	G1/4" (m)	103205152
Coupling	G3/8" (f)	103201204
Nipple	G3/8" (f)	103205204
Coupling	G1/2" (f)	103201205
Coupling	G1/2" (m)	103201155
Nipple	G1/2" (f)	103205205
Coupling	Hose Ø 10 mm	103201004
Nipple	Hose Ø 10 mm	103205004
Coupling	Hose Ø 13 mm	103201005
Nipple	Hose Ø 13 mm	103205005





## 5 Waterbased Fluids/Detergents

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## Mixing Units

### Mixing Pump



Air operated mixing pump for glycol and windshield fluids with a fixed mix. The wall mounted unit has a suction attachment for connection to the concentrate container. Complete unit to connect directly to the air supply line and distribution pipework.

We recommend that you invest in control equipment for the concentrate container to prevent unmixed water being distributed when the concentrate container is empty.

**Description**                      **Capacity**  
 Mixing pump 50/50                      Appr. 15 l/min. free flow at 0,7 MPa (7 bar)

Part No

24891



### Mixing Unit with Ejector from 25% to 50%



Water operated mixing unit with ejector for windshield fluids, adjustable with nozzles between 25% to 50% mix. The wall mounted unit has a suction attachment for connection to the concentrate container. Complete unit for connection to the water line.

**Description**                      **Capacity**  
 Mixing unit                              Appr. 15 l/min.

24186



### To put together a Complete Mixing and Distribution Kit

Use a mixing unit (24186), installation kit (99630) and pump (22770). All necessary items are included.

We recommend that you invest in control equipment (SPEC8121) for the concentrate container to prevent unmixed water being distributed when the container is empty.

### Ejector Mixing Unit

Proportioner that automatically mix liquid cleaning and sanitizing concentrates with water and dispense the diluted solution into any container. The unit is threaded directly onto the container of concentrate or by means of an adaptor. Comes with 13 different nozzles for a dilution range of approx 1:1-100:1 (water : concentrate).

*NOTE! The outlet hose must not be equipped with any type of shut-off valve, as the water can go backwards into concentrate with risk of overflow. Assume that a backflow valve is fitted to the fresh water line to avoid chemicals entering the water line.*

24188



### Diaphragm Mixing Pump 1:1 Ratio



Air operated mixing pump for mixing and transferring different liquids. Mixing ratio 50/50\*.

#### Pressure ratio 1:1

**Capacity**                      Max 50 l/min., free flow at 0,7 MPa (7 bar).  
**Air pressure**                      0,15 MPa (1,5 bar) - 0,8 MPa (8 bar)  
**Connections**                      Air:     G3/8" (f)  
    Liquid: inlet 2x G3/8" (f)  
    outlet G1/2" (f)

**Description**                      **Capacity**  
 Mixing Pump of Aluminium/Nickel plated                      max 50 l/min.  
 Mixing Pump of Acetal    max 50 l/min.

\* Can vary depending on fluid.

 Water                       Anti Freeze                       Windshield Wash                       Detergents

(Concentrated Glycol; see the Oil Section)

22221



Body	Valves	Diaphragm	Other wetted materials
Al, Ni.	Acetal	Hytrel®	Teflon®, Viton®, St. steel
Acetal	Acetal	Hytrel®	Teflon®, Viton®, St. steel

22221

22227



### Stainless Steel Liquid Pump, Pressure Ratio 4:1



Stainless steel, air operated, double acting liquid pump for corrosive liquids, windscreen liquid etc. Bung adapter G2" (m) (part No 2125753) included.

**Pressure ratio** 4:1  
**Capacity** Max 30 l/min. (free flow, air pressure 0,7 MPa, water)  
**Air Pressure** Max 1 MPa (10 bar)  
**Connections** Air: G 1/4" (f)  
 Fluid: Outlet G1" (f) - Inlet (foot valve) G1" (f)

#### Description

Stainless Steel stub pump  
 Stainless Steel pump complete with suction tube (2226294)

Atex Classified Stainless Steel stub pump  
 Atex Classified Stainless Steel pump complete with suction tube (2226294)

*We recommend the use of air lubricator for pumps when pumping cleaning fluids such as windshield washer.*

Part No

**22770**  
**22775**

**22771**  
**22776**

22770

22775



Air motor	Liquid parts	Seals	Central bar
Aluminium	Stainless Steel, ISO 2343/2346 (DIN 1.4436/1.4305)	Teflon®	Chromated Stainless Steel, ISO 2333 (DIN1.4101)

### Stainless Steel Liquid Pump, Pressure Ratio 1:1



Stainless steel, air operated, double acting liquid pump for corrosive liquids, windscreen liquid etc. Bung adapter G2" (m) included.

**Pressure ratio** 1:1  
**For connection to** Tank or drum  
**Capacity** Max 30 l/min. (free flow, air pressure 0,7 MPa, water)  
**Air Pressure** Max 1 MPa (10 bar)  
**Connections** Air: G 1/4" (f)  
 Fluid: Outlet G3/4" (m) - Inlet (foot valve) G1" (f)

#### Description

Stainless Steel stub pump  
 Stainless Steel pump complete with suction tube (2226294)

**22772**  
**22777**

22772

22777



Air motor	Liquid parts	Seals	Central bar
Aluminium	Stainless Steel, ISO 2343/2346 (DIN 1.4436/1.4305)	Teflon®	Chromated Stainless Steel, ISO 2333 (DIN1.4101)

### Liquid Pump, Corrosion Protected, Pressure Ratio 1:1



Corrosion protected, air operated, double acting liquid pump. Bung adapter G 2" (m) included.

**Pressure ratio** 1:1  
**For connection to** Tank or drum  
**Capacity** Max 40 l/min. (free flow, air pressure 1,0 MPa, 95 cSt oil).  
 Recommended free flow approx. 25 l/min. at 0,7 MPa, 95 cSt  
**Air Pressure** Max 1 MPa (10 bar)  
**Connections** Air: G1/4" (f)  
 Oil: Outlet G3/4" (f) - Inlet (foot valve) G1" (f)

#### Description

Liquid pump  
 Liquid pump complete with suction tube (2226294)

**22820**  
**22825**

22820

22825



Air motor	Liquid parts	Seals	Central bar
Aluminium	Nickel-plated Steel	Nitrile Polyurethane	Nickel-plated Aluminium

## Installation Kits

### Drum Pump Installation Kit

Components for a drum mounted air operated pump.(205 l drum)

**Information:**

Air line hose 1,5 m x 1/4" hose, Line hose 1,5 m x 3/4" hose.

With Air treatment unit      
 Without Air treatment unit

With Air treatment unit      
 Without Air treatment unit

Part No

99625  
99725

99675  
99775



### Wall Mounted Pump Installation Kit

Components for a remote wall mounted air operated pump with drum suction attachment (205 l drum).

**Information:** Air line hose 1,5 metre x 1/4" bore hose, line hose 1,5 metre

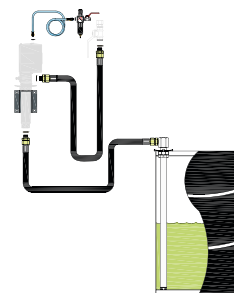
Drum suction attachment, tube length = 1,08 m

With Air treatment unit      
 Without Air treatment unit

With Air treatment unit      
 Without Air treatment unit

99626  
99726

99676  
99776



### Wall Mounted Pump Installation Kit

Components for a remote wall mounted air operated pump with a tank suction attachment.

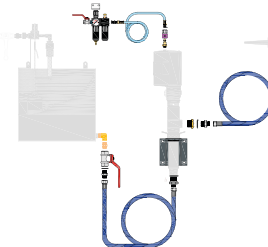
**Information**

Air line hose 1,5 metre x 1/4" bore hose

2 pcs Line hose 1,5 metre x 1/2" bore hose

With Air treatment unit      
 Without Air treatment unit

99630  
99730



### Air Operated Diaphragm Pump 1:1

Air operated pump for transferring different liquids.

**Capacity**

See description below

**Air pressure**

0,15 MPa (1,5 bar) - 0,8 MPa (8 bar)

**Connections**

Air: G3/8" (f)

Liquid: 22206, 22208, 22211, 22230, 22238

inlet-outlet G1/2" (f)

22202 inlet-outlet G1/4" (f)

22325, 22328, 22331 inlet-outlet G1" (f)

**Description**

- Diaphragm Pump of Polypropylene 20 l/min
- Diaphragm Pump of Polypropylene 30 l/min
- Diaphragm Pump of Acetal, Atex 30 l/min
- Diaphragm Pump of Alu. Nickel plated 50 l/min
- Diaphragm Pump of Polypropylene 50 l/min
- Diaphragm Pump of Acetal, Atex 50 l/min
- Diaphragm Pump of Polypropylene 100 l/min
- Diaphragm Pump of Polypropylene 200 l/min
- Diaphragm Pump of Acetal, Atex 100 l/min

**Applications**

- AdBlue®, antifreeze, windshield wash...
- AdBlue®, antifreeze, windshield wash...
- Fuels, solvents, Toulén, Ethanol, etc.
- Oil, waste oil, aqueous, antifreeze, etc.
- AdBlue®, antifreeze, windshield wash...
- Fuels, solvents, Toulén, Ethanol, etc.
- AdBlue®, antifreeze, windshield wash...
- AdBlue®, antifreeze, windshield wash...
- Fuels, solvents, Toulén, Ethanol, etc.



22230

22328

22331



**Body**

- Polypr.
- Polypr.
- Acetal
- Al, Ni
- Polypr.
- Acetal
- Polypr.
- Polypr.
- Acetal

**Valves**

- Teflon®
- Teflon®
- Acetal
- Teflon®
- Teflon®
- Acetal
- Hytrel®
- Hytrel®
- Acetal

**Diaphragm**

- Hytrel®
- Hytrel®
- Hytrel®
- Hytrel®
- Hytrel®
- Hytrel®
- Hytrel®
- Hytrel®
- Teflon®

**Other wetted materials**

- Teflon®, Viton®, St. steel
- Teflon®, Viton®, St. steel
- Viton®, St. steel
- Teflon®, Viton®, St. steel
- Teflon®, Viton®, St. steel
- Viton®, St. steel
- Teflon®, Viton®, St. steel
- Teflon®, Viton®, St. steel
- Viton®, St. steel

22202  
22206  
22208  
22211  
22230  
22238  
22325  
22328  
22331  
22328

### Wall Mounted Pump Installation Kit

Components for a remote wall mounted air operated 1/2" diaphragm pump with drum suction attachment (205 l drum) and wall bracket.

**Information**

Air line hose 1,5 metre x 1/4" bore hose, Line hose 1,5 metre

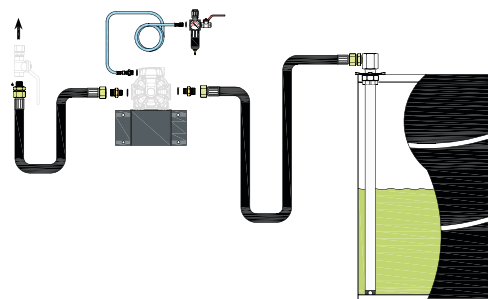
Drum suction attachment, tube length = 1,08 m

With Air treatment unit      
 Without Air treatment unit

With Air treatment unit      
 Without Air treatment unit

99666  
99766

99668  
99768



Water  Anti Freeze  Windshield Wash  Detergents

(Concentrated Glycol; see the Oil Section)

## Spring Operated Hose Reels

### Series ORM

Open hose reel with a steel braided hydraulic hose, fitted with swaged couplings.

Length m	Diameter mm-inch	Conn. threads	Work. Pressure		Color Code
			MPa	bar	
15	10 - 3/8"	G3/8" (f)	18	180	☐☐☐☐*
15	10 - 3/8"	G1/2" (f)	7,5	75	☐☐☐☐*

### Series ORS

Length m	Diameter mm-inch	Conn. threads	Work. Pressure		Color Code
			MPa	bar	
10	10 - 3/8"	G3/8" (m)	1,5	15	☐☐☐☐
15	10 - 3/8"	G3/8" (m)	1,5	15	☐☐☐☐
15	12,5 - 1/2"	G1/2" (f)	1,5	15	☐☐☐☐
15	10 - 3/8"	G3/8" (f)	18	180	☐☐☐☐*
10	10 - 3/8"	G1/2" (f)	7,5	75	☐☐☐☐*
15	10 - 3/8"	G1/2" (f)	7,5	75	☐☐☐☐*

### Series OR

Length m	Diameter mm-inch	Conn. threads	Work. Pressure		Color Code
			MPa	bar	
20	12,5 - 1/2"	G1/2" (m)	1,8	18	☐☐☐☐

#### Stainless Steel Reels

20	10 - 3/8"	G3/8" (f)	18	180	☐☐☐☐*
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### Series LOR

Heavy duty open hose reel with longer hose lengths, fitted with swaged couplings.

Length m	Diameter mm-inch	Conn. threads	Work. Pressure		Color Code
			MPa	bar	
25	10 - 3/8"	G3/8" (f)	40	400	☐☐☐☐*
25	12,5 - 1/2"	G1/2" (f)	30	300	☐☐☐☐*

#### Stainless Steel Reel

25	12,5 - 1/2"	G1/2" (f)	30	300	☐☐☐☐*
----	-------------	-----------	----	-----	-------

### Series ORL

Length m	Diameter mm-inch	Conn. threads	Work. Pressure		Color Code
			MPa	bar	
15	19 - 3/4"	G3/4" (f)	2	20	☐☐☐☐

### Series CRO

Length m	Diameter mm-inch	Conn. threads	Work. Pressure		Color Code
			MPa	bar	
15	10 - 3/8"	G3/8" (m)	1,5	15	☐☐☐☐
15	12,5 - 1/2"	G1/2" (m)	1,5	15	☐☐☐☐
15	10 - 3/8"	G3/8" (f)	18	180	☐☐☐☐*
10	10 - 3/8"	G1/2" (f)	7,5	75	☐☐☐☐*
15	10 - 3/8"	G1/2" (f)	7,5	75	☐☐☐☐*

### Series CRK

Length m	Diameter mm-inch	Conn. threads	Work. Pressure		Color Code
			MPa	bar	
15	10 - 3/8"	G3/8" (m)	1,5	15	☐☐☐☐
15	12,5 - 1/2"	G1/2" (m)	1,5	15	☐☐☐☐
15	10 - 3/8"	G3/8" (f)	18	180	☐☐☐☐*
10	10 - 3/8"	G1/2" (f)	7,5	75	☐☐☐☐*
15	10 - 3/8"	G1/2" (f)	7,5	75	☐☐☐☐*

### Series CRS

Length m	Diameter mm-inch	Conn. threads	Work. Pressure		Color Code
			MPa	bar	
12	8 - 5/16"	G1/4" (m)	2	20	☐☐☐☐
15	8 - 5/16"	G1/4" (m)	2	20	☐☐☐☐
10	10 - 3/8"	G3/8" (m)	2	20	☐☐☐☐
12	10 - 3/8"	G3/8" (m)	2	20	☐☐☐☐

■ Water    
 ■ Anti Freeze    
 ■ Windshield Wash    
 ■ Detergents  
 (Concentrated Glycol; see the Oil Section)

Part No

55125  
65125

45222  
45225  
45235  
55225  
65232  
65235

45336

24957

55527  
55537

24965

65455

46225  
46235  
56225  
66232  
66235

46425  
46435  
56425  
66432  
66435

46314  
46315  
46322  
46324



\* Can be used for hot water. For more information, see the Hose Reel chapter. 73

# Hose End Controls

## Water Control Valve

Water control valve with rubber outlet. Inlet G1/4" (f). Weight: approx. 0,3 kg.

**Description**

- Water control valve with rubber nozzle ■ ■ ■ ■
- Water control valve with rubber nozzle G3/8" connection ■ ■ ■ ■
- Water control valve with rubber nozzle G1/2" connection ■ ■ ■ ■

Part No

- 24105
- 2410564
- 2410561



## Water Control Valve

Water control valve with rigid outlet. Inlet G1/4" (f). Weight: approx. 0,3 kg.

**Description**

- Water control valve ■ ■ ■ ■
- Water control valve for G3/8" connection ■ ■ ■ ■
- Water control valve for G1/2" connection ■ ■ ■ ■

- 24106
- 2410664
- 2410661



## Control Valve for Water Based Fluids

Water control valve with special rubber outlet that prevents foaming.

**Description**

- Water control valve with swivel G1/2" (m) ■ ■ ■ ■
- Water control valve with swivel G1/2" (f) ■ ■ ■ ■
- Water control valve with swivel G3/8" (f) ■ ■ ■ ■
  
- Water control valve with swivel G1/2" (m) and Meter (24773) ■ ■ ■ ■
- Water control valve with swivel G1/2" (f) and Meter (24773) ■ ■ ■ ■

- 2468060
- 2468061
- 2468064
  
- 24144
- 24143



## Wash Handle

Heavy duty wash handle made of rubber covered die-cast brass. Flow pattern regulated by the trigger. Max pressure 3 MPa (30 bar). Connection thread G1/2" (f).

**Description**

- Wash handle G1/2" (f) ■ □ □ □
- Wash handle G3/8" (f) ■ □ □ □

- 28182
- 2818264



## Wash Handle

Straight form wash nozzle with on/off and flow pattern regulated by turning the sleeve. Supplied with 1/2" hose connection.

**Description**

- |  |                     |         |          |
|--|---------------------|---------|----------|
|  | <b>Max pressure</b> |         |          |
| Wash nozzle with 1/2" hose bore in brass                             | 10 bar              | ■ □ □ □ | 28268    |
| <i>Should not be under pressure when closed!</i>                     |                     |         |          |
| Wash nozzle with 1/2" hose bore in brass, O-ring sealed              | 16 bar              | ■ □ □ □ | 28368    |
| Bare hose adapter with hose bore 3/4" for 28368                      |                     | ■ □ □ □ | 38220812 |
| Wash nozzle with G1/2" (f) connection in stain. steel, O-ring sealed | 16 bar              | ■ □ □ □ | 28369    |



## Wash Handle

Heavy duty wash handle made of die-cast brass with rubber covered handle. Supplied with two nozzles, 2 mm and 4 mm jet holes. Flow pattern adjustable with control knob. Max pressure 4 MPa (40 bar).

**Description**

- Wash handle for 1/2" hose connection in brass ■ □ □ □
- Wash handle for 3/4" hose connection in brass ■ □ □ □

- 16004
- 16006



## Spray Handles and Mobile Sprayer

### Spray Handle with Spray Tube

Designed for use with detergents. Consists of a brass valve body with 580 mm brass outlet tube and two nozzles, one with an adjustable spray pattern. Connection thread. G 3/8" (m).

**Description**

- Spray handle with spray tube
- Spare adjustable nozzle
- Spray handle with spray tube (Nickel plated brass)

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Part No

- 24029
- 550012
- 24108



### Spray Handle with Spray Tube

Designed for use with detergents. Consists of a thermoplastic valve body (24680) with an brass outlet tube. Two different spray nozzles for water- and petroleum based detergents. Connection G1/2" (f).

**Description**

- Spray handle with spray tube
- Spray handle with spray tube
- Spare adjustable nozzle

**Outlet tube**

- 500 mm
- 915 mm

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- 24098
- 24099
- 550012

24099

24098



### High Pressure Swivel

Designed for use with detergents. Connection G3/8" (f). Maximum pressure 25 MPa (250 bar).

**Description**

- High pressure swivel

24518



### Mobile Sprayer

Air operated sprayer, comprising of a steel container, fitted with a compressed air connection and pressure gauge, Ø 30 mm (1 1/4") filler hole, sight gauge and two Ø 100 mm (4") wheels.

Preload the container with compressed air 0,3-0,7 MPa (3-7 bar). The dispenser can be used without permanent connection to air pressure. Max. admissible tank capacity is 3/4 of total capacity. Complete with 1,5 m hose and spray handle.

Description	Volume	Dim. (L x W x H)	Weight (approx.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Spray dispenser	approx. 24 l	350 x 380 x 780 mm	11,5 kg	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

22422

**Note: Suitable for petroleum based detergents only!**

**Spare parts:**

- Spray tube with nozzle
- Spiral hose
- Refilling cap
- Seal for refilling cap
- Manometer

- 2346125
- 2346126
- 2395093
- 2395092
- 2315312

22422



## Sprayers

### General Information

In practice, industrial substances are mixtures whose compositions and effects on other materials are known only by their manufacturers. This is why testing by the user – possibly in co-ordination with the manufacturer of the spray medium – is so essential. Safety datasheets are usually not sufficient for an accurate evaluation of the material compatibility. Metal sprayers are not suitable for hydrogen peroxide, and plastic units can only be used after preliminary testing and with limited concentrations and exposure periods.

#### Important factors to consider in choosing a sprayer:

##### Highest operational temperature (spray medium):

Plastic sprayers 30 °C.

Sprayers with metal tanks 40 °C.

##### Viscosity of spray medium:

Up to approx. 1,5 times the viscosity of water. If coarser droplets and a reduced spray angle are acceptable, the viscosity can be even greater.

##### Flammable liquids:

Flammable liquids with a flash point below 55 °C must not be used in sprayers.

### High-Pressure Compression Sprayer

For forming oil, vehicle cleaning with mildly caustic cleaning detergents. Durable stainless steel tank for extra resistance, Viton seals, special oil hose that is flexible at low temperatures, 50 cm continuously rotatable brass spray wand, fine special flat spray nozzle with fine filter. Pressure is generated by using the hand pump. The 10 l sprayer can also be filled with compressed air from an external line.

**NOTE! Not suitable for spray mediums that are corrosive to brass or stainless steel.**

Description	Volume	Work. Pressure	Pressure Generator	Weight
Sprayer	6 l	6 bar	Compressor/hand pump	4,4 kg
Sprayer	10 l	6 bar	Compressor/hand pump	5,5 kg

Same equipment as above, but completely in plastic and stainless steel including the spray wand. Delivered with both flat spray and round spray nozzle.

Description	Volume	Work. Pressure	Pressure Generator	Weight
Sprayer	10 l	6 bar	Compressor/hand pump	5,6 kg

#### Accessories

Trolley for above

Spray valve

Spray tube and nozzle

### Sprayer

Sprayer in polyethylene with 40 cm spray nozzle. The pressure is generated by a hand pump. Especially suitable for spraying chemicals in all areas, from strong acids (sprayer with FPM seals) to highly alkaline products (sprayer with EPDM seals).

Description	Volume	Work. Pressure	Pressure Generator	Weight
Sprayer, FPM seals	5 l	3 bar	Hand pump	2,6 kg
Sprayer, EPDM seals	5 l	3 bar	Hand pump	2,6 kg
Sprayer, FPM seals	10 l	3 bar	Hand pump	2,9 kg
Sprayer, EPDM seals	10 l	3 bar	Hand pump	2,9 kg

### Hand Held Sprayers

For cleaning, corrosion protection, lubrication, impregnation. Flexi plus and Universal has a powerful air pump to build up pressure. A safety valve protects against over compression. Tank with fill level scale, Viton® seals and adjustable nozzle.

Description	Volume	Work. Pressure	Pressure Generator
Industry Sprayer	1,5 l	3 bar	Hand pump
Universal Sprayer	1,5 l	3 bar	Hand pump
Universal 360°	1,0 l	3 bar	Hand pump
Hand sprayer	1,0 l	-	-

Hand held Sprayer Cleaner for spraying chemicals in all areas, from strong acids (sprayer with FPM seals) to highly alkaline products (sprayer with EPDM seals).

Description	Volume	Work. Pressure	Pressure Generator
Sprayer Cleaner FPM	1,5 l	3 bar	Hand pump
Sprayer Cleaner EPDM	1,5 l	3 bar	Hand pump
Sprayer Cleaner Viton®	1,5 l	3 bar	Hand pump

■ Water
 ■ Anti Freeze
 ■ Windshield Wash
 ■ Detergents

(Concentrated Glycol; see the Oil Section)

#### Part No



3595F

3615X

3965

3275PP

3595F

3615F

3615X

3965

6321L

3658



3131P

3132PG

3275PP

3275PE

3270PP

3270PE



3132PR

3111P

3131P

3132PG

3132PR

3111P



3132PP

3132BC

3132PP

3132BC

3132NG



## Drum Pumps, Hand Operated

### Rotary Pump for Waterbased Fluids, Oil and Other Chemicals

Rotary pump made of PVC with Ø 27 mm outlet pipe. G2" (m) bung adapter. Suction tube in 3 sections.

Description	Suction tube Length	Suction tube Diameter	Capacity (approx.)
Rotary Pump	280-1.030 mm	Ø 44 mm	0,3 l/turn

Part No

21200



### Drum Pump

Drum pump in Polypropylene with steel pump rod. The lever can be mounted in three different positions to change the stroke length and output capacity, (see below). Delivered with telescopic suction tube and G2" and G1 1/2" bung adapter. Suction tube diameter Ø 40 mm.

Description	Colour	Suction tube length	Seals Material	Capacity
Drum pump	black/blue	340-900 mm	Viton®	0,3 to 0,45 l/stroke
Drum pump	black/green	340-900 mm	Viton®	0,3 to 0,45 l/stroke
Drum pump	black	340-900 mm	Teflon®	0,3 to 0,45 l/stroke

21210

21211

21215



### Drum Pump

Drum pump in Polypropylene with EPDM or Viton seals. Extra smooth pump lever movement thanks to the linkage between the lever and pump rod. Delivered with telescopic suction tube and G2" bung adapter. Suction tube diameter Ø 35 mm.

Description	Colour	Suction tube length	Seals Material	Capacity
Drum pump	black/blue	350-980 mm	EPDM	0,5 l/stroke
Drum pump	black/red	350-980 mm	Viton®	0,5 l/stroke

21131

21132

### Drum Pump

Drum pump in Polypropylene and Polyethylene with Viton seals. Delivered with telescopic suction tube and G2" bung adapter. Suction tube diameter Ø 27 mm.

Description	Colour	Suction tube length	Seals Material	Capacity
Drum pump	black/blue	480-950 mm	Viton®	0,3 l/stroke

21122

### Hand Operated Diaphragm Pump

For transfer of different fluids. The pump can be used for drums (with a special adapter kit included in 21221) or wall mounted. Lot of different fluids can be transferred even contaminated fluids.

Description	Capacity (Engine oil 20 °C)
Diaphragm pump, bare pump.	25 l/min.
Diaphragm pump with accessories	25 l/min.

21220

21221



### Drum Pump

Drum pumps made of Polypropylene, Nylon 6 or stainless steel. G2" (m) bung adapter.

Description	Suction tube Length	Material in contact with the liquid
Drum Pump	1.000 mm	Nylon 6
Drum Pump	500 mm	Nylon 6
Drum Pump	1.000 mm	Polypropylene
Drum Pump	500 mm	Polypropylene
Drum Pump	700 mm	Stainless steel, Teflon®

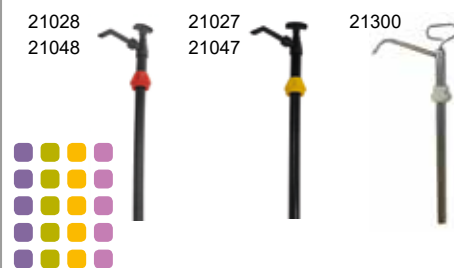
21027

21047

21028

21048

21300



### Manual Syphon Pumps

Manually operated syphon pump with a polyethylene suction tube, made for different container sizes

Description	For container tube length	Suction approx.	Capacity size
Suction operated	25 l	390 mm	6,5 l/min.
Piston operated	60 l	590 mm	10 l/min.
Piston operated	200 l	850 mm	18,5 l/min.

21230

21231

21232



■ Water   
 ■ Anti Freeze   
 ■ Windshield Wash   
 ■ Detergents  
 (Concentrated Glycol; see the Oil Section)

For other fluids, contact us!  
For special drum adaptors, see oil chapter.

# Drum Tap, Measures, etc

## Drum Tap

Drum Tap for drums in horizontal position.

Description	Material	Conn. thread	
Drum Tap, push valve	Aluminium, nitrile rubber	G2" (m)	
Drum Tap, turn valve	Stainless steel, Teflon®	G3/4" (m)	

Part No

24506

24580



24506  
24580

## Graduated Measures

Moulded from high quality plastic in various sizes as a set.

Description	
7 measures 0,1, 0,25, 0,5, 1,0, 2,0, 3,0 & 5,0 l	

21609



## Plastic Measures

Measuring jugs with handle, made of heavy Polyethylene, resistant to oil, gasoline and chemicals.

Description	Volume	
Liquid measure	1 l	
Liquid measure	2 l	
Liquid measure	3 l	
Liquid measure	5 l	

21625  
21626  
21657  
21627



## Tin Measures

Measuring jugs with handle, made of tinned metal, resistant to oil, gasoline and chemicals.

Description	Volume	
Liquid measure	1 l	
Liquid measure	2 l	
Liquid measure	5 l	
Liquid measure	10 l	
Liquid measure	20 l	

21637  
21638  
21667  
21668  
21669



21637

21668

## Containers

Container with handle, made of heavy Polyethylene. Filling hole with lid and capped nozzle.

Description	Volume	
Liquid measure	6 l	
Liquid measure	10 l	

21644  
21645



21644

21645

## Oil Drain & Parts Cleaning Pans

Handy oil drain & parts cleaning pan for washing small parts or for oil drain. Made of oil and chemical resistant polyethylene.

Description	Volume	
Oil Drain & Parts cleaning pan	8 l	
Oil Drain & Parts cleaning pan. Black	14 l	
Oil Drain. Black	8 l	

21635  
21619  
21509

21635



21509



21619





### Funnels

Funnels with handle, made of oil and chemical resistant Polyethylene with splash rim and removable brass strainer.

Description	Volume		Part No
Funnel with straight spout	1,3 l	■ ■ ■ ■	21630
Funnel with spout off-set approx 180 mm	1,3 l	■ ■ ■ ■	21631
Funnel kit (Ø 65, 75, 100 och 120 mm)	0,05-0,27 l	■ ■ ■ ■	21633



### Anti-splash Funnels

Description		Part No
Ø 190 mm funnel with anti-splash rim, filter and flexispout	■ ■ ■ ■	21632
Ø 230 mm funnel with anti-splash rim, filter and flexispout	■ ■ ■ ■	21605



### Garage Funnels

Description		Part No
300 mm garage funnel with filter	■ ■ ■ ■	21606
300 mm garage funnel c/w diesel/water separator filter	■ ■ ■ ■	21607



### Tin Funnels

Funnels with handle, made of tinned metal, resistant to oil, gasoline and chemicals.

Description	Dimension		Part No
Tin funnel	Ø 160 mm	□ ■ □ ■	21628
Tin funnel	Ø 200 mm	□ ■ □ ■	21629
Threaded spout	300 mm	□ ■ □ ■	21634



### Garage Kit

Includes the most commonly used measures, funnels, container and oil drain.	■ ■ ■ ■	21610
---	---------	-------



## Installation Accessories

### Air Treatment Units

Description	Conn. thread	Consisting off
Air treatment unit	G1/4 (f)	42107, 42009, 42110, 301296
Air treatment unit, complete, assembled	G1/4 (f)	42107, 42009, 42108, 42110, 42125

#### Accessories:

Bracket for Air treatment unit mounted on top of the 22770 and 22775 pumps  
 Air hose for Air treatment unit

#### Part No

42103

42105

2026154

2226155



### Air Line Hoses

For connection of pump motor to main air line, made of braided PVC, max. working pressure 1,5 MPa (15 bar), swaged couplings; one with swiveling nut and connection adapter (male/male).

Description	Hose Diameter	Length	Conn. thread
Air Line Hose	1/4" i.d.	1,5 m	G1/4"(m)
Air Line Hose	1/4" i.d.	3 m	G1/4"(m)
Air Line Hose	3/8" i.d.	1,5 m	G3/8"(m)
Air Line Hose	3/8" i.d.	3 m	G3/8"(m)

48001

480013M

48002

480023M

48001



### Bung Adapters

With split collars for pump tube diameters shown below.  
 G2" (m) thread for drum or drum covers.

For pump tube diameter	Fits Orion pump models
50	22720, 22725, 22772, 22777
52	22820, 22825
54	22770, 22775

28595

28592

2125753



### Drum Cover Protection (205 l Drums)

Keeps drum cover and surroundings clean.

No/box	Diam.	Absorbing capacity
25	Ø 56 cm	~2 l/st
1	Ø 56 cm	~2 l/st



34108

34109



### Wall Bracket and Floor Stand

For pump mounting. Pump mounting thread G2" (f).

#### Description

Wall bracket

Floor stand

Wall bracket for diaphragm pumps 1/2"

Wall bracket for diaphragm pumps 1"

28524

28506

28553

28552



### Water Inlet Filter

For installation in pipe lines to prevent contamination.

Description	Conn. threads	Max pressure
Filter, 100 mesh	G3/4" (m)	14 bar
Spare Cartridge 100 mesh		
Spare O-ring Viton®		
Spare O-ring NBR		

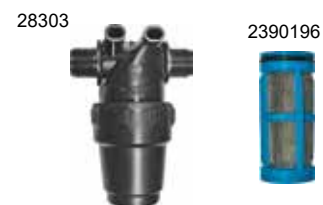


28303

2390196

2390193

2390192



### Strainers

For installation in pipe lines to prevent meters being damaged due to contamination. Washable cartridge of stainless steel.  
 Max 5 MPa (50 bar).

Conn. threads	Strainer rating	Body materia	Dimension
G1/2 "(f)	200 µm	Stainless steel	
G3/4" (f)	200 µm	Stainless steel	
In G3/4" (f)-Out G1/2 (f)	25 µm	Aluminium	Ø 60 x 111 mm



28022

28059

24583



Water

Anti Freeze

Windshield Wash

Detergents

(Concentrated Glycol; see the Oil Section)

### Distribution Hoses

Nitrile rubber hoses, 1/2" i.d. steel braided, PN 13,8 MPa (138 bar), swaged couplings G1/2" swivelling nuts, incl. two connection adapters, G1/2" (AG) - G3/4" (AG). Other lengths are available upon request.

Description	Length		Part No
Distribution hose	2 m	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	28009
Distribution hose	3 m	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	28010
Distribution hose	4 m	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	28011
Distribution hose	5 m	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	28012
Distribution hose	6 m	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	28013
Distribution hose	8 m	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	28015



### Connection Hoses

Connection hose of Nitrile rubber, wire braided, swaged couplings with swivelling nuts and adapter.

Description		Part No
Tank Connection Hose, Length 1,0 m, with one straight coupling, G1"	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	28078
Tank Connection Hose, Length 1,0 m, with one straight and one 90°-angle coupling, G1". Mainly used with pumps mounted in floor stands	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	28080
Connection Hose, Length 1,5 m, with two straight couplings, G1" & G3/4"	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	28079
Connection Hose, Length 1,5 m, with two straight couplings, G1/2" & G3/4"	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	28639
Connection Hose, Length 1,5 m, with two straight couplings, G1/2" & G1"	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	28649



### Drum Suction Attachments

Riser tube with foot valve and G2" bung adapter.

Riser tube length	Hose length	Conn.thread		Part No
1,08 m	2 m	G3/4"	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	28310
1,7 m	2 m	G3/4"	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	28311
1,08 m	2 m	Hose 3/4"	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	28309
-	5 m (max. 3 m tank depth)	G3/4"	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	28321



### Shut-off Valves

Ball-valves made of brass with Teflon®-seals and long or short levers.

Conn. thread (f)	PN	Lever		Part No
G3/8"	6,4 MPa (64 bar)	Long	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	30101117
G1/2"	6,4 MPa (64 bar)	Long	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	30101093
G3/4"	4,0 MPa (40 bar)	Long	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	30101111
G1"	4,0 MPa (40 bar)	Long	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	30101081
G1 1/4"	2,5 MPa (25 bar)	Long	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	30101087
G1 1/2"	2,5 MPa (25 bar)	Long	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	30101084
G2"	2,5 MPa (25 bar)	Long	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	30101102
G1/4"	6,4 MPa (64 bar)	Short	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	30101129
G3/8"	6,4 MPa (64 bar)	Short	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	30101144
G1/2"	6,4 MPa (64 bar)	Short	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	30101123



### Pressure relief valve

For protection of equipment against system pressure increase due to heat expansion. (1 °C increase in temperature can cause 1,0 MPa, 10 bar increase in system pressure).

Pressure relief valve in brass G 1/4". Releases pressure at 6 MPa (60 bar)	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	28625
Pressure relief valve in brass G 1/4". Releases pressure at 2 MPa (20 bar)	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	28643



## Installation Accessories

### Drip Holsters

To protect hose end meters and control valves when not in use and to collect any drips.

#### Description

Drip Holster

Drip holster with removable spill tray

Drip holster with removable spill tray

#### Part No

29090

29086

29096

29090



29086



29096



### Hose Storage Brackets

#### Description

A wall mounting bracket for storage of hoses, tools etc. Two fixing holes Ø 5 mm

For fixing to the wall to support hoses that otherwise would interfere with the work area.

Two fixing holes Ø 5 mm.

6027

28185

6027



28185



### Hose Storage Rack

Designed for max. 30 m x 1/2" - hose. For wall mounting.

Dimensions: approx. 200 x 300 x 120 mm (W x H x D).

28251

28251





## 6 Diesel

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Diaphragm Diesel Pumps.....	85
Spring Operated Hose Reels for Diesel .....	86
Jerry Cans .....	87



## Electric Diesel Pumps

### Wall Mounted Pump Kit 230 V / 70 l/min.

70 l/min. pump mounted on a bracket for wall or tank mounting. The unit includes a 230 V diesel pump with on/off switch and 1.8 m cable, wall bracket, 4 m delivery hose, automatic nozzle and a three digit meter, flange mounted to the pump. Fluid inlet connection: 1" BSP (f).

Meter valid for non commercial applications only.

Part No

53700



### Wall Mounted Pump Kit 230 V- 50 l/min.

50 l/min. pump mounted on a bracket for wall or tank mounting. The unit includes a 230 V diesel pump with on/off switch and 1,8 m cable, wall bracket, 4 m delivery hose, aluminium nozzle and a three digit meter, flange mounted to the pump. Fluid inlet connection: 1" BSP (f).

Meter valid for non commercial applications only.

53701



### Diesel Transfer Pump Kit 230 V / 50 l/min.

230 V AC diesel transfer pump 50 l/min equipped with 4 m delivery hose, aluminium delivery nozzle and 2 m cable.

53710



### Diesel Transfer Pump Kit 230 V / 70 l/min.

230 V AC diesel transfer pump 70 l/min equipped with 4 m delivery hose, aluminium delivery nozzle and 2 m cable.

53713



### Diesel Transfer Pump Kit 24 V- 40 l/min.

24 V diesel transfer pump equipped with 4 m x Ø 19 mm delivery hose, aluminium delivery nozzle and 2 m cable with alligator clamps.

53711



### Diesel Transfer Pump Kit 12 V- 40 l/min.

12 V diesel transfer pump equipped with 4 m x Ø 19 mm delivery hose, aluminium delivery nozzle and 2 m cable with alligator clamps.

53712

### Diesel Transfer Pumps

Self priming pumps with self-adjustable vanes. Pump body made of cast-iron with rustproof treatment, rotor of sintered steel and vanes of acetyl resin. The pump includes a by-pass valve and a built in filter with easy access for cleaning.

230V Diesel Transfer Pump, 50 l/min

53740

230V Diesel Transfer Pump, 70 l/min

53741

24V Diesel Transfer Pump, 43 l/min

53735

24V Diesel Transfer Pump, 65 l/min

53736

12V Diesel Transfer Pump, 40 l/min

53730

12V Diesel Transfer Pump, 60 l/min

53731



### Mobile refill tank for diesel

Complete fitted with a 12V electric pump and gun handle.

220L Dimensions (L x W x H): 900 x 600 x 615 mm Weight empty approx. 25 kg.

53762

440L Dimensions (L x W x H): 1200 x 800 x 782 mm Weight empty approx. 50 kg.

53764

### Mobile diesel distributor

Mobile distributor (110 l) for diesel. Complete fitted with pump and gun grip. Dimensions (L x W x H): 500 x 470 x 1100 mm Weight empty approx. 15 kg.

With handpump

63210

With 12 V electric pump

63215



## Accessories and Diaphragm Diesel Pumps

### Diesel Pump Accessories

Description	Information
Diesel meter	100 l/min. Reliable, easy to install and simple to calibrate. G1" (f) inlet and outlet, both with flange for flange mounted applications. Maximum pressure: 10 bar. Flow range: 10 to 100 l/min. Precision after calibration: ± 1%.
Automatic nozzle	Fluid inlet: G1" (f). Maximum delivery: 45 l/min.
Automatic nozzle	Fluid inlet: G1" (f). Maximum delivery: 80 l/min.
Manual nozzle	Fluid inlet: G1" (f). Maximum delivery: 100 l/min. Includes inlet swivel and lockable trigger.
Inlet swivel	For G1" (f) nozzles. Inlet/outlet threads: G1" (f).
Spare vanes	For the Diesel pumps.
Suction hose	Ø 25 mm x 5 m suction hose with foot valve. G1" (m)
Suction attachment	with telescopic suction tube - 1.000/1.800 mm. G1" (m), G2" bung adaptor and foot valve with filter.

Part No

23610

23605

23608

23606

23607

2446080

28321

23609

23610



23609



23606



23605



### Air Operated Diaphragm Pump 1:1

Transfer pump for connection to bulk tank or drum.  
Double acting air operated pump for transferring oil and non-corrosive liquids.

Pressure ratio 1:1

Capacity 22210 Max 50 l/min., free flow at 0,7 MPa (7 bar).  
22310 Max 100 l/min., free flow at 0,7 MPa (7 bar).  
22330 Max 250 l/min., free flow at 0,7 MPa (7 bar).

Air pressure 0,15 MPa (1,5 bar) - 0,7 MPa (7 bar)

Connections Air: 22210, 22310 G3/8" (f)  
22330 NPSM 1/2" (f)  
Oil: 22210 inlet-outlet G1" (f)  
22310 inlet-outlet G1" (f)  
22330 inlet-outlet G1 1/2" (f)

22210

22310

22330

22210



22330



Body	Valves	Diaphragm	Other wetted materials
Aluminium	Acetal	Hytre <sup>®</sup>	Teflon <sup>®</sup> , Viton <sup>®</sup> , NBR, St. steel
Aluminium	Hytre <sup>®</sup>	Hytre <sup>®</sup>	Teflon <sup>®</sup> , NBR, St. steel
Aluminium	Acetal	Hytre <sup>®</sup>	NBR, St. steel

### Installation Kit for Diaphragm Pump

Components for an air operated Diaphragm pump, for 205 l drums and 1.000 l IBC containers.

Information

Air line hose (48001) 1/4" L= 1,5 m

Oil line hose (28079) 3/4" L= 1,5 m

Suction hose 28310 L= 2,0 m and suction tube L= 1,0 m

Installation kit for 22210 with air treatment unit

Installation kit for 22210 without air treatment unit

Installation kit for 22310 with air treatment unit

Installation kit for 22310 without air treatment unit

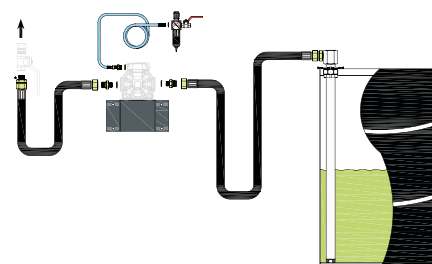
**Note: Pump not included, ordered separately.**

99666

99766

99667

99767



### Fuel Suction Unit for gasoline, E85 & diesel

Suction removal directly from vehicle tanks. The unit includes a 120 l container, air operated pump with a capacity of 7 l/min, fluid filter, hose and adaptors. The unit meets all the requirements for explosive environments.

Description

Fuel Suction Unit 120 l with hose and adaptors

29555



## Spring Operated Hose Reels for Diesel

### Series ORK

Open hose reel with a steel braided hydraulic hose, fitted with swaged couplings.

Length m	Diameter mm-inch	Conn. threads	Working Pressure	
			MPa	bar
6	19 - 3/4"	G3/4" (f)	7,5	75

Part No

35151

### Series ORL

Heavy duty open hose reel with longer hose lengths, fitted with swaged couplings.

Length m	Diameter mm-inch	Conn. threads	Working Pressure	
			MPa	bar
20	12,5 - 1/2"	G1/2" (f)	7,5	75
15	19 - 3/4"	G3/4" (f)	7,5	75

25436

25455

### Series LOR

Open hose reel with steel braided, oil resistant rubber hose.

Length m	Diameter mm-inch	Conn. threads	Working Pressure	
			MPa	bar
20	19 - 3/4"	G3/4" (f)	6	60
15	25 - 1"	G1" (f)	6	60

25556

25565

### Series ORB

Extra Heavy Duty open hose reel with longer hose lengths. All hoses are fitted with swaged couplings.

Length m	Diameter mm-inch	Conn. threads	Working Pressure	
			MPa	bar
25	19-3/4"	G3/4" (f)	7,5	75
15	25,4-1"	G1" (f)	7,5	75

25657

25665

### Series ORH

Extra Heavy Duty open hose reel with longer hose lengths for oil and diesel. All hoses are fitted with swaged couplings.

Length m	Diameter mm-inch	Conn. threads	Working Pressure	
			MPa	bar
15	37,5-1 1/2"	G1 1/2" (f)	2	20

25885

### Series CRK

A medium sized enclosed hose reel. The hose reel can be mounted on the ceiling, the wall or the floor. The wall bracket can easily be moved to fit other installations.

Length m	Diameter mm-inch	Conn. threads	Working Pressure	
			MPa	bar
6	16 - 5/8"	G1/2" (f)	7,5	75

36441





## Anti-splash Funnels

### Description

Ø 190 mm Funnel with anti-splash rim, filter and flexispout.  
Ø 230 mm Funnel with anti-splash rim, filter and flexispout.

Part No

21632  
21605



## Garage Funnels

### Description

300 mm Garage funnel with filter.  
300 mm Garage funnel c/w diesel/water separator filter.

21606  
21607

## Plastic Jerry Cans

Suitable solution for storing and supplying fuel. Manufactured in a resistant red opaque HDPE. Product includes cap to avoid spillage and spout to ease delivery. They are ideal for keeping a fuel safety stock or for manually refuelling machines or vehicles where needed. There are three sizes available, all of them UN Approved.

Description	Volume
Jerry Can, HDPE	5 l
Jerry Can, HDPE	10 l
Jerry Can, HDPE	20 l

21675  
21676  
21677



## Metal Jerry Cans

Suitable solution for storing and supplying fuel. Manufactured in a resistant sturdy metal construction with protective paint. Product includes cap to avoid spillage. They are ideal for keeping a fuel safety stock or for manually refuelling machines or vehicles where needed. There are three sizes available, all of them UN Approved. Outlet spout not included.

Description	Volume
Jerry Can, Metal	5 l
Jerry Can, Metal	10 l
Jerry Can, Metal	20 l

### Accessories

Outlet spout

21685  
21686  
21687

21690



**Notes:**

Dotted lines for notes.



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## AdBlue® Electric Pumps

### Electric 230 V AC Diaphragm Pump

Self-priming electric pump suitable for professional transfer of AdBlue® and other water-based non corrosive fluids from IBCs, drums or other containers.

<b>Voltage</b>	230 VAC
<b>Power</b>	400 W
<b>Capacity</b>	Max 31 l/min
<b>Max working pressure</b>	1,6 bar
<b>Max suction height</b>	1,8 m
<b>Inlet and outlet threads</b>	G1" (m)

Part No

55520



### Electrical 12/24 V DC Diaphragm Pump

Self-priming electric pump suitable for professional transfer of AdBlue® and other water-based non corrosive fluids from IBCs, drums or other containers.

<b>Capacity</b>	Max 35 l/min
<b>Max working pressure</b>	1,6 bar
<b>Max suction height</b>	1,8 m
<b>Inlet and outlet threads</b>	G1" (m)

12 VDC, motor power 260 W

24 VDC, motor power 310 W

55530

55531



### Distribution Kit with Electric Pump

Consisting of electric diaphragm pump, 2,5 m suction hose with foot valve and 4 m outlet hose with manual nozzle.

With 230 VAC pump 55520

With 12 VDC pump 55530

With 24 VDC pump 55531

75010

75011

75012



### Distribution Kit with Electric Pump 230 VAC and Meter

Consisting of electric diaphragm pump 230 VAC, pump bracket for IBC or plastic drums, 1,5 m suction hose with connection adapter for suction tube, 4 m outlet hose with meter and manual nozzle or automatic nozzle.

With manual nozzle

With automatic nozzle

75015

75016

75016



### Mobile AdBlue® Dispenser with Electric Pump 230 VAC and Meter

Consisting of drum trolley with electric diaphragm pump 230 VAC, 1,5 m suction hose with suction strainer and 3 m outlet hose with automatic nozzle. Electric cable reel for increased operating range available as an accessory sold separately.

With automatic nozzle

75020

#### Accessories

Electric cable reel 15m x 1,5 mm<sup>2</sup>

Bracket for cable or hose reel

53621

28654



### Air Operated Diaphragm Pump 1:1

Air operated transferpump for AdBlue® etc.  
Manufactured in Polypropylene with diaphragms in Hytrel.

**Pressure ratio 1:1**

**Capacity** 22206 Max 30 l/min., free flow, at 0,7 MPa, (7 bar).  
22230 Max 50 l/min., free flow, at 0,7 MPa, (7 bar).

**Air pressure** 0,15 MPa (1,5 bar) - 0,8 MPa (8 bar)

**Connections** Air: G3/8" (f)  
Liquid: 22206 inlet-outlet G3/8" (f)  
22230 inlet-outlet G1/2" (f)

Part No

22206  
22230



### Wall Mounted Pump Installation Kit

Components for a remote wall mounted air operated pump with drum suction attachment (205 l drum)

**Information**

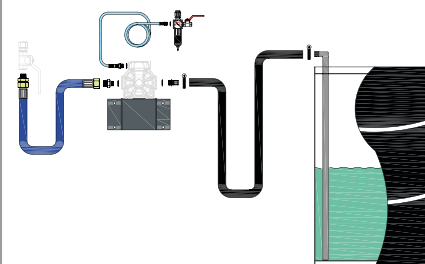
Air line hose 1,5 metre x 1/4" bore hose  
Line hose 1,5 metre  
Drum suction attachmen, tube length = 1,08 m

Incl FRL-unit

Excl FRL unit

**Note! Pump not included!**

99668  
99768



### Distribution Kit with Air Operated Diaphragm Pump for Trucks

Consisting of air operated diaphragm pump 22230, pump bracket for plastic drums or IBCs 75300, 1,5 m suction hose with connection adapter for suction tube and 3 m outlet hose with nozzle.

Distribution kit with manual nozzle  
Distribution kit with automatic nozzle

75050  
75051



### Distribution Kit with Air Operated Diaphragm Pump for Cars

Consisting of air operated diaphragm pump 22206, pump bracket for plastic drums or IBCs, 1,5 m suction hose with connection adapter for suction tube and 3 m outlet hose with nozzle.

Distribution kit with manual nozzle 2468070  
Distribution kit with hose end meter 24145  
Distribution kit with hose end meter with overfilling indication 24146

75055  
75056  
75057



### Mobile AdBlue® Dispenser with Air Operated Diaphragm Pump and Meter

Consisting of drum trolley with air operated diaphragm pump 22206, 1,5 m suction hose with suction strainer and 3 m outlet hose with automatic nozzle. Air hose reel for increased operating range available as an accessory sold separately.

With automatic nozzle

**Accessories**

Hose reel CRS 15m x 5/16"  
Bracket for cable or hose reel

75060

46315  
28654



## AdBlue® Pumps & Hose Reels

### Mobile AdBlue® Dispenser with Air Operated Diaphragm Pump

Consisting of drum trolley with plastic drum, air operated diaphragm pump, 1,5 m suction hose with suction strainer and 3 m outlet hose with manual nozzle.

At for example repair, the unit can be used to evacuate the AdBlue® from a vehicles tank and then refill with the same fluid.

### Series ORS

Open hose reel of aluminium with composite drum, fitted with stainless steel swivel and stainless steel swaged couplings.

Length m	Diameter mm-inch	Conn. threads	Woking pressure	
			MPa	bar
10	12,5 - 1/2"	G1/2" (f)	1,5	15
15	12,5 - 1/2"	G1/2" (f)	1,5	15

### Series OR

Open stainless steel hose reel with longer hose lengths, fitted with stainless steel swaged couplings.

Length m	Diameter mm-inch	Conn. threads	Comment
15	19 - 3/4"	G3/4" (f)	Painted steel

### Series ORL

Length m	Diameter mm-inch	Conn. threads	Work. Pressure	
			MPa	bar
15	19 - 3/4"	G3/4" (f)	2	20

### Series CRK

Enclosed hose reel with stainless steel swivel and swaged fittings. The hose reel can be mounted on the ceiling, the wall or the floor. The wall bracket can easily be moved to fit other installations.

Length m	Diameter mm-inch	Conn. threads	Woking pressure	
			MPa	bar
10	12,5 - 1/2"	G1/2" (f)	1,5	15
15	12,5 - 1/2"	G1/2" (f)	1,5	15

### Series CRO

Enclosed hose reel with stainless steel swivel and swaged fittings. The hose reel can be mounted on the ceiling, the wall or the floor. The wall bracket can easily be moved to fit other installations.

Length m	Diameter mm-inch	Conn. threads	Woking pressure	
			MPa	bar
10	12,5 - 1/2"	G1/2" (f)	1,5	15

Part No

75000

75232

75235

24971

75355

65455

76432

76435

76232



75000



75232



24971



65455



76432



76232

# AdBlue® Nozzles & Hand Operated Pumps

## AdBlue® Nozzles

Description	Max.flow	Inlet
Automatic Nozzle <i>(Magnetic ring for opening the valve is not required)</i>	45 l/min.	Ø 19 mm with swivel
Manual Nozzle	80 l/min.	G1" (f) with swivel
Manual Nozzle	40 l/min.	G1/2" (f) with swivel
Automatic Nozzle	45 l/min.	Ø 19 mm with swivel
Automatic Nozzle	10 l/min.	G1" (f) with swivel
Automatic Nozzle	15 l/min.	Ø 19 mm with swivel

## AdBlue® Hose End Meter

AdBlue® nozzle with digital meter. One model featuring an electronic indication when the container is full to prevent over-filling.

Description	Max.flow	Connection	Max pressure
Hose End Meter	50 l/min.	G1/2" (m) with swivel	3 MPa
Hose End Meter with overfilling indication	50 l/min.	G1/2" (m) with swivel	3 MPa

## AdBlue® Meter

AdBlue® meter with big display for simple installation. The meter can be installed directly on the control valve or at the end of the hose. The electronics is powered by two batteries for easy changing.

### Technical information

Accuracy: +/- 1%. Can be calibrated

Description	Max.flow	Connection	Max pressure
Turbine meter	120 l/min.	G1" (m) (f-f adapter incl.)	1 MPa
PVC meter	50 l/min.	G1/2" (f)	3 MPa

## Hand Operated Drum Pump

Made of polypropylene with EPDM or Viton seals. Delivered with telescopic suction tube and G2" drum adapter.

Description	Color	Suction tube length	Seal material	Capacity
Drum pump	black/blue	350-980 mm	EPDM	0,5 l/slag
Drum pump	black/blue	480-950 mm	Viton	0,3 l/slag

### Accessory

2 m delivery hose in EPDM with outlet valve

## Rotary Pump

Rotary pump made of polypropylene with Ø 27 mm outlet pipe and G2" (m) bung adapter.

Description	Suction tube Length.	Suction tube diam.	Capacity (approx.)
Vevpump	280 - 1.030 mm	Ø 44 mm	0,3 l/turn

## Distribution Kit with Hand Operated Drum Pump

Consisting of hand operated drum pump, pump bracket for IBC, 1,5 m suction hose with connection adapter and 2 m outlet hose.

### Part No

23577  
23580  
2468070  
75200  
75201  
75202

24145  
24146

24145  
24759  
24773  
24777  
24759  
24773

21131  
21122  
28400

21200

75100



## AdBlue® Accessories

### Mobile refill tank for AdBlue®

Complete fitted with a 12V electric pump and gun handle.

220L Dimensions (L x W x H): 900 x 600 x 615 mm Weight empty approx. 25 kg.

440L Dimensions (L x W x H): 1200 x 800 x 782 mm Weight empty approx. 50 kg.

### Mobile AdBlue® distributor

Mobile distributor (110 l) for AdBlue®. Complete fitted with pump and gun grip. Dimensions (L x W x H): 500 x 470 x 1100 mm Weight empty approx. 15 kg.

With handpump

With 12 V electric pump

#### Part No

53772

53774



73210

73215

### Drum Adapters

Description	Information	
Adapter	G2" (f) - Trisure Ø 55 mm, pitch approx. 4 mm (m)	28235
Adapter	G2" (f) - Multi adapter with locking screw Ø55-65 mm (f)	28236
Adapter	G2" (f) - Midland	28234
Adapter	G2" (f) - Mauser Ø 68 mm, pitch approx. 6 mm (m)	28238
Adapter	G2" (f) - Berg Ø 53 mm, pitch approx. 3,5 mm (f)	28239
Adapter	G2" (f) - DIN 70 (f) pitch approx. 6 mm	2310035
Adapter	G2" (f) - DIN 61 (f) pitch approx. 5 mm (IBC)	2310034
Adapter	G3/4" (f) - Trisure Ø 55 mm, pitch 4 mm (m)	2310037
Adapter	G3/4" (f) - DIN 70 (f) pitch approx. 6 mm	2310038
Adapter	DIN 61 pitch approx. 5 mm (IBC) - hose tail 25 mm (1")	28339



### Accessories

Telescopic suction tube with suction tube adaptor for drums and IBC  
Hose tail 20mm

Hose fitting G1" (f) - D20 mm	7350012
Hose fitting G1" (f) - D25 mm	7350013
Hose fitting G1" (m) - D20 mm	7350009
Hose fitting G3/4" (m) - D13 mm	7350016
Hose fitting G1/2" (m) - D13 mm	7350006
Hose fitting G1/2" (m) - D20 mm	7350008

Adapter G1/2" (m) - G3/4" (f)	7350005
Adapter G1/2" (m) - G1/2" (m)	7350015

Foot valve, connection G1" (f)	7350020
Check valve, connection 2 x G1" (f)	7350021

Hose clamp 12 - 22 mm	72101126
Hose clamp 16 - 25 mm	72101081
Hose clamp 20 - 32 mm	72101087

Pump bracket for plastic drums and IBC	75300
--	-------

Distribution hose 1/2" (per m)	14095008
Suction hose 1/2" (per m)	14611008
Suction hose 3/4" (per m)	14611012







## 8 Hose Reels

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Workshop Tower, Stand, Brackets.....	102



## Hose Reels, Open

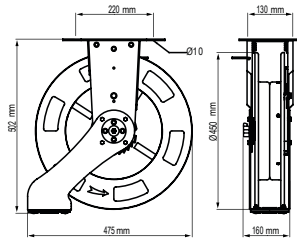
Wherever longer hoses are required it is strongly recommended that hose reels are used. There are several advantages in using hose reels, such as longer hose life, increased safety and improved efficiency.

Once installed the hose is always readily available but can be retracted out of the way when not in use. Hose free floors will reduce the risk of accidents due to tripping and will also aid identification. As a consequence they help to increase the efficiency and hence the profitability of the workshop.

Hose reels can be installed on the wall or ceiling or to special frameworks. We recommend that they should be installed at least 2,5 meters above the floor.

### Series ORK

Open hose reels for air, water, oil, grease and waste oil suction. Manufactured in sheet metal, painted in grey. The air and water reels have a simple cord braided hose and the oil and grease reels have a steel braided hydraulic hose. All hoses are fitted with swaged couplings. The Vacuum hose reel is specially designed for this purpose and the hose is fitted with a waste oil nozzle for quick connection of probes.



Media	Hose lengths meter	Hose dim. mm-inch	Max. pressure MPa-bar
Air/Water	10	10 - 3/8"	2,0 - 20
Oil/ Air	10	12,5 - 1/2"	7,5 - 75
Grease	10	6,35 - 1/4"	40 - 400
Waste oil suction	6	19 - 3/4"	Vacuum
Various	max. 10	without hose	7,5 - 75

Pivoting wall bracket

#### Part No

**45122**

**25132**

**15112**

**35151**

**25102**

**28913**



28913

**Inlet thread  
BPS**

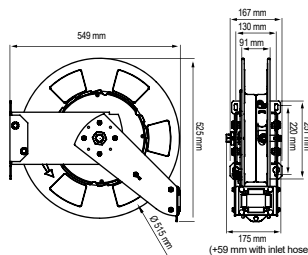
G1/2" (m)  
G1/2 (m & f 60°)  
G1/4" (f)  
G1/2" (m)  
G1/2" (f) swivel

**Outlet thread  
BPS**

G1/4" (m)  
G1/2 (m & f 60°)  
G1/4" (m)  
G1/2" (m)  
G3/8" (f) shaft

### Series ORM

Open hose reel for air, water, oil and grease. Manufactured in sheet metal, painted in grey. The air reels have a simple cord braided hose and oil and grease reels have a steel braided hydraulic hose. All hoses are fitted with swaged couplings.



Media	Hose lengths meter	Hose dim. mm-inch	Max. pressure MPa-bar
Air/Water	15	12,5 - 1/2"	2,0 - 20
Oil/ Air	15	12,5 - 1/2"	7,5 - 75
Grease	15	10 - 3/8"	40 - 400
Hot water	15	10 - 3/8"	18 - 180
Various	max. 15	without hose	7,5 - 75
Wind screen wash	15	12,5 - 1/2"	7,5 - 75

Pivoting wall bracket

**45135**

**25135**

**15125**

**55125**

**25105**

**65135**

**28913**



28913

**Inlet thread  
BPS**

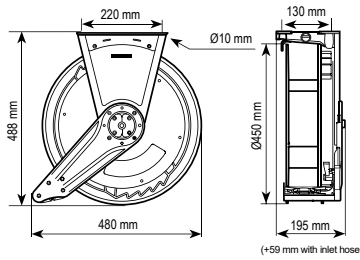
G1/2" (m)  
G1/2 (m & f 60°)  
G3/8" (f)  
G1/2" (f)  
G1/2" (f) swivel  
G1/2 (m & f 60°)

**Outlet thread  
BPS**

G1/2" (m)  
G1/2 (m & f 60°)  
G3/8" (f)  
G3/8" (m)  
G3/8" (m)  
G1/2 (m & f 60°)

**Series ORS**

Open single arm hose reel with longer hose lengths for oil, grease, air and water. If mounted to the ceiling the hose guide must be located to give correct hose direction. All hoses are fitted with swaged couplings.



Media	Hose lengths	Hose dim. mm-inch	Max. pressure MPa-bar	Part No
	metre			
Air/Water	10	10 - 3/8"	1,5 - 15	<b>45222</b>
Air/Water	15	10 - 3/8"	1,5 - 15	<b>45225</b>
Air/Water	15	12,5 - 1/2"	1,5 - 15	<b>45235</b>
Oil/Air/Water	10	12,5 - 1/2"	7,5 - 75	<b>25232</b>
Oil/Air/Water	15	12,5 - 1/2"	7,5 - 75	<b>25235</b>
Grease	10	6,35 - 1/4"	35 - 350	<b>15212</b>
Grease	15	10 - 3/8"	35 - 350	<b>15225</b>
Hot water, max 150 °C	15	10 - 3/8"	18 - 180	<b>55225</b>
Wind screen wash/	10	12,5 - 1/2"	7,5 - 75	<b>65232</b>
Degreaser	15	12,5 - 1/2"	7,5 - 75	<b>65235</b>
Waste oil suction	6	16 - 5/8"	Vacuum	<b>35241</b>
AdBlue®	10	12,5 - 1/2"	1,5-15	<b>75232</b>
AdBlue®	15	12,5 - 1/2"	1,5-15	<b>75235</b>
Various	10	Without Hose		<b>25205</b>
Pivoting wall bracket				<b>28913</b>

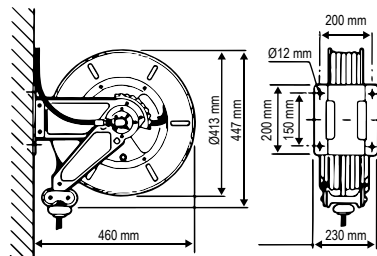
Part No

Inlet thread	Outlet thread
<b>BSP</b>	<b>BSP</b>
G1/2" (f)	G3/8" (m)
G1/2" (f)	G3/8" (m)
G1/2" (f)	G1/2" (m)
G1/2" (f)	G1/2" (f)
G1/2" (f)	G1/2" (f)
G1/4" (f)	G1/4" (m)
G3/8" (f)	G1/4" (m)
G3/8" (f)	G3/8" (f)
G1/2" (f)	G1/2" (f)
G1/2" (f)	G1/2" (f)
G1/2" (f)	G1/2" (f)
G1/2" (f)	G1/2" (f)



**Series OR**

Open hose reel with longer hose lengths for oil, grease, air and water. If mounted to the ceiling the hose guide must be located to give correct hose direction. All hoses are fitted with swaged couplings.



Media	Hose lengths	Hose dim. mm-inch	Max. pressure MPa-bar	Part No
	metre			
Air	20	12,5 - 1/2"	1,8 - 18	<b>45336</b>
Air / st. steel	15	12,5 - 1/2"	1,8 - 18	<b>45335RF</b>
Oil/ Air	20	12,5 - 1/2"	6 - 60	<b>25336</b>
Oil/ Air / st. steel	15	12,5 - 1/2"	6 - 60	<b>25335RF</b>
Grease	15	10 - 3/8"	40 - 400	<b>15325</b>
Hot water / st. steel	20	10 - 3/8"	18 - 180	<b>24957</b>
AdBlue® / st. steel	20	12,5 - 1/2"	6 - 10	<b>24971</b>
Washer fluid / st. steel	15	12,5 - 1/2"	6 - 60	<b>65335RF</b>
AdBlue®	15	19 - 3/4"	6 - 60	<b>75355</b>
Various	max. 20	without hose	40 - 400	<b>25306</b>
with stainless steel swivel				
Pivoting wall bracket				<b>28902</b>
Welding Hose reel				
Oxygene/Propan	15	Twin 10 mm		<b>44465</b>



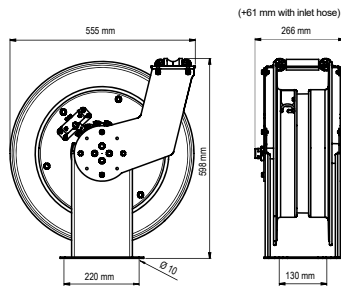
Inlet thread	Outlet thread
<b>BSP</b>	<b>BSP</b>
G1/2" (m)	G1/2" (m)
G1/2" (m)	G1/2" (m)
G1/2" (f)	G1/2" (f)
G1/2" (f)	G1/2" (f)
G3/8" (f)	G3/8" (f)
G3/8" (f)	G3/8" (f)
G1/2" (f)	G1/2" (f)
G1/2" (f)	G1/2" (f)
G3/4" (f)	G3/4" (f)
Connection thread	G3/8" (f)



## Hose Reels, Open

### Series ORL

Heavy duty open hose reel with longer hose lengths for oil and air. All hoses are fitted with swaged couplings.



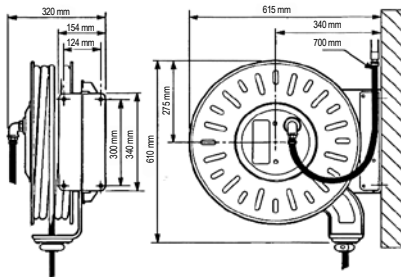
Media	Hose lengths metre	Hose dim. mm-inch	Max. pressure MPa-bar	Part No
Oil/Air/Diesel	20	12,5 - 1/2"	7,5 - 75	<b>25436</b>
Oil/Air/Diesel	15	19 - 3/4"	7,5 - 75	<b>25455</b>
Grease	20	12,5 - 1/2"	24 - 240	<b>15436</b>
Wind screen wash / AdBlue®	15	19 - 3/4"	2 - 20	<b>65455</b>
Oil/Air/Diesel	max. 20	Without hose	7,5 - 75	<b>25406</b>

Inlet thread BSP	Outlet thread BSP
G1/2" (m & f 60°)	G1/2" (m & f 60°)
G3/4" (m & f 60°)	G3/4" (m & f 60°)
G1/2" (m & f 60°)	G1/2" (m & f 60°)
G3/4" (m & f 60°)	G3/4" (m & f 60°)
G1/2" (f) swivel	G1/2" (m) shaft



### Series LOR

Open hose reel for oil, grease, air and water. Steel braided, oil resistant rubber hose. Max temperature +50°



Media	Hose lengths metre	Hose dim. mm-inch	Max. pressure MPa-bar	Part No
Oil/ Air	25	12,5 - 1/2"	6 - 60	<b>25537</b>
Oil/ Air	20	19 - 3/4"	6 - 60	<b>25556</b>
Oil/ Air	15	25 - 1"	6 - 60	<b>25565</b>
Grease	25	10 - 3/8"	40 - 400	<b>15527</b>
Hot water, max. 150 °C	25	10 - 3/8"	40 - 400	<b>55527</b>
Hot water, max. 150 °C	25	12,5 - 1/2"	30 - 300	<b>55537</b>
Hot water/Stainless max. 150 °C	25	12,5 - 1/2"	30 - 300	<b>24965</b>
Stainless steel	25	Without swivel and hose		<b>24960</b>
Steel	25	Without swivel and hose		<b>25507</b>

Inlet thread BSP	Outlet thread BSP
G1/2" (f)	G1/2" (f)
G3/4" (f)	G3/4" (f)
G1" (f)	G1" (f)
G3/8" (f)	G3/8" (f)
G3/8" (f)	G3/8" (f)
G1/2" (f)	G1/2" (f)
G1/2" (f)	G1/2" (f)

For hose and swivels see [www.alentec.com](http://www.alentec.com)  
 For hose and swivels see [www.alentec.com](http://www.alentec.com)

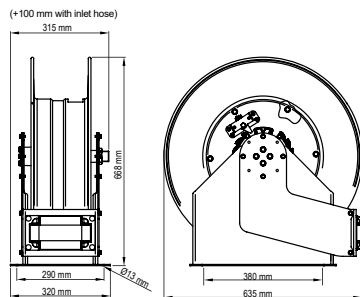


Pivoting wall bracket

**28904**

### Series ORB

Extra Heavy Duty open hose reel with longer hose lengths for oil and air. All hoses are fitted with swaged couplings.



Media	Hose lengths metre	Hose dim. mm-inch	Max. pressure MPa-bar
Oil/Air	30	12,5 - 1/2"	7,5 - 75
Oil/Air	20	19 - 3/4"	7,5 - 75
Oil/Air	25	19 - 3/4"	7,5 - 75
Oil/Air	15	25,4 - 1"	7,5 - 75
Air/Water	15	25,4 - 1"	1,5 - 15
Air/Water	30	12,5 - 1/2"	1,5 - 15
Oil/Air/Water/Diesel	15 or 20	25,4 - 1" or 19-3/4"	
Oil/Air/Water/Diesel	25 or 30	19-3/4" or 12,5-1/2"	

Part No

- 25638**
- 25656**
- 25657**
- 25665**
- 45665**
- 45638**
- 25606**
- 25608**

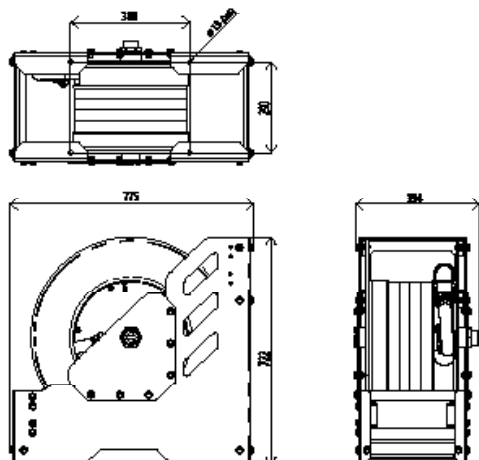


Inlet thread BSP	Outlet thread BSP
G1" (m & f 60°)	G1/2" (m & f 60°)
G3/4" (m & f 60°)	G3/4" (m & f 60°)
G3/4" (m & f 60°)	G3/4" (m & f 60°)
G1" (m & f 60°)	G1" (m & f 60°)
G1" (m & f 60°)	G1" (m & f 60°)
G1/2" (m & f 60°)	G1/2" (m & f 60°)
Without hose	
Without hose	

### Series ORH

Extra Heavy Duty open hose reel with longer hose lengths for oil and diesel. All hoses are fitted with swaged couplings.

Media	Hose lengths metre	Hose dim. mm-inch	Max. pressure MPa-bar
Oil/Diesel	15	37,5 - 1 1/2"	2-20



**25885**

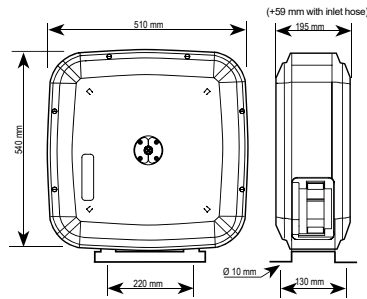


Inlet thread BSP	Outlet thread BSP
G1 1/2" (f)	G1 1/2" (f)

## Hose Reels, Enclosed

### Series CRO

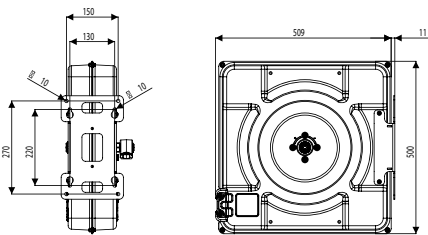
A medium sized enclosed hose reel for different types of media. For example air, water, oil or grease. The hose reel can be mounted on the ceiling, the wall or the floor. The Vacuum hose reel is specially designed for waste oil suction, the hose is fitted with a waste oil nozzle for quick connection of probes.



Media	Hose lengths	Hose dim.	Max. pressure	Part No	Inlet thread	Outlet thread
	metre	mm-inch	MPa-bar			
Air/Water, Rubber-hose	10	10 - 3/8"	1,5 - 15	<b>46222</b>	G1/2" (m)	G3/8" (m)
Air/Water, Rubber-hose	15	10 - 3/8"	1,5 - 15	<b>46225</b>	G1/2" (m)	G3/8" (m)
Air/Water, Rubber-hose	15	12,5 - 1/2"	1,5 - 15	<b>46235</b>	G1/2" (m)	G1/2" (m)
Oil/Air/Water	10	12,5 - 1/2"	7,5 - 75	<b>26232</b>	G1/2" (f)	G1/2" (f)
Oil/Air/Water	15	12,5 - 1/2"	7,5 - 75	<b>26235</b>	G1/2" (f)	G1/2" (f)
Grease	10	6,35 - 1/4"	35 - 350	<b>16212</b>	G1/4" (f)	G1/4" (m)
Grease	15	10 - 3/8"	35 - 350	<b>16225</b>	G3/8" (f)	G1/4" (m)
Hot water, max 150 °C	15	10 - 3/8"	17 - 170	<b>56225</b>	G3/8" (f)	G3/8" (f)
Wind screen wash/	10	12,5 - 1/2"	7,5 - 75	<b>66232</b>	G1/2" (f)	G1/2" (f)
Degreaser	15	12,5 - 1/2"	7,5 - 75	<b>66235</b>	G1/2" (f)	G1/2" (f)
Waste oil suction	6	16 - 5/8"	Vacuum	<b>36241</b>	G1/2" (f)	G1/2" (f)
AdBlue®	10	12,5 - 1/2"	1,5-15	<b>76232</b>	G1/2" (f)	G1/2" (f)
Various	10	Without hose and swivel		<b>26205</b>	G1/2" (f)	G1/2" (f)

### Series CRK

A medium sized enclosed hose reel for different types of media. For example air, water, oil or grease. The hose reel can be mounted on the ceiling, the wall or the floor. The Vacuum hose reel is specially designed for waste oil suction, the hose is fitted with a waste oil nozzle for quick connection of probes.



Media	Hose lengths	Hose dim.	Max. pressure	Part No	Inlet thread	Outlet thread
	metre	mm-inch	MPa-bar			
Air/Water, Rubber-hose	10	10 - 3/8"	1,5 - 15	<b>46422</b>	G1/2" (m)	G3/8" (m)
Air/Water, Rubber-hose	15	10 - 3/8"	1,5 - 15	<b>46425</b>	G1/2" (m)	G3/8" (m)
Air/Water, Rubber-hose	15	12,5 - 1/2"	1,5 - 15	<b>46435</b>	G1/2" (m)	G1/2" (m)
Oil/Air/Water	10	12,5 - 1/2"	7,5 - 75	<b>26432</b>	G1/2" (f)	G1/2" (f)
Oil/Air/Water	15	12,5 - 1/2"	7,5 - 75	<b>26435</b>	G1/2" (f)	G1/2" (f)
Grease	10	6,35 - 1/4"	35 - 350	<b>16412</b>	G1/4" (f)	G1/4" (m)
Grease	15	10 - 3/8"	35 - 350	<b>16425</b>	G3/8" (f)	G1/4" (m)
Hot water, max 150 °C	15	10 - 3/8"	17 - 170	<b>56425</b>	G3/8" (f)	G3/8" (f)
Wind screen wash/	10	12,5 - 1/2"	7,5 - 75	<b>66432</b>	G1/2" (f)	G1/2" (f)
Degreaser	15	12,5 - 1/2"	7,5 - 75	<b>66435</b>	G1/2" (f)	G1/2" (f)
Waste oil suction	6	16 - 5/8"	Vacuum	<b>36441</b>	G1/2" (f)	G1/2" (f)
AdBlue®	10	12,5 - 1/2"	1,5-15	<b>76432</b>	G1/2" (f)	G1/2" (f)
AdBlue®	15	12,5 - 1/2"	1,5-15	<b>76435</b>	G1/2" (f)	G1/2" (f)
Various	10	Without hose and swivel		<b>26405</b>	G1/2" (f)	G1/2" (f)

Pivoting wall bracket

#### Part No



28913

Inlet thread	Outlet thread
G1/2" (m)	G3/8" (m)
G1/2" (m)	G3/8" (m)
G1/2" (m)	G1/2" (m)
G1/2" (f)	G1/2" (f)
G1/2" (f)	G1/2" (f)
G1/4" (f)	G1/4" (m)
G3/8" (f)	G1/4" (m)
G3/8" (f)	G3/8" (f)
G1/2" (f)	G1/2" (f)
G1/2" (f)	G1/2" (f)
G1/2" (f)	G1/2" (f)



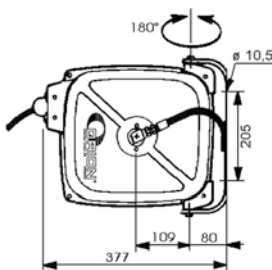
Inlet thread	Outlet thread
G1/2" (m)	G3/8" (m)
G1/2" (m)	G3/8" (m)
G1/2" (m)	G1/2" (m)
G1/2" (f)	G1/2" (f)
G1/2" (f)	G1/2" (f)
G1/4" (f)	G1/4" (m)
G3/8" (f)	G1/4" (m)
G3/8" (f)	G3/8" (f)
G1/2" (f)	G1/2" (f)
G1/2" (f)	G1/2" (f)
G1/2" (f)	G1/2" (f)
G1/2" (f)	G1/2" (f)

28913

## Hose Reel Enclosed & Electric, Accessories

### Series CRS

Enclosed hose reel for air and water, complete with pivoting wall bracket. Hoses have swaged couplings.



Media	Hose lengths metre	Hose dim. mm-inch	Max. pressure MPa-bar
Air/Water	12	8 - 5/16"	2 - 20
Air/Water	15	8 - 5/16"	2 - 20
Air/Water	10	10 - 3/8"	2 - 20
Air/Water	12	10 - 3/8"	2 - 20

Part No

**46314**  
**46315**  
**46322**  
**46324**

Inlet thread BSP	Outlet thread BSP
G3/8" (m) hose 8-5/16"	G1/4" (m)
G3/8" (m) hose 8-5/16"	G3/8" (m)



### Electric Cable Reels

Electric cable reels with impact resistant plastic covers. Supplied with earth connection and cable.

Media	Cable lengths metre	Cable	Power Volt	Max capacity Watts
Electric cable	6	HO5VV - F 3 x 1,5 mm <sup>2</sup>	230	2.000
Electric cable	10	HO5VV - F 3 x 1,5 mm <sup>2</sup>	230	2.000
Electric cable	15	HO5VV - F 3 x 1,5 mm <sup>2</sup>	230	2.000
Electric cable	20	HO5VV - F 3 x 2,5 mm <sup>2</sup>	230	3.500
Electric cable	20	H07RN - F 5 x 1,5 mm <sup>2</sup>	400	3.000
LAN cable	15	LAN		

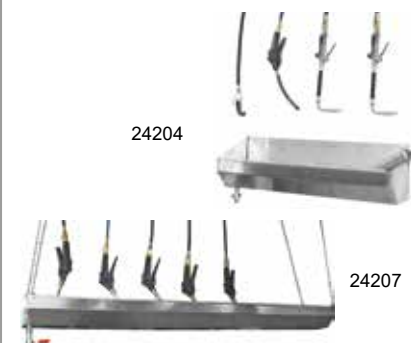
**53611**  
**53621**  
**53631**  
**53641**  
**53640**  
**53650**



### Drip Pan

For use below hose reels to prevent liquid dripping on the floor. Made in stainless steel.

Description	Length	
Drip pan, wall hanged	700 mm	<b>24203</b>
Drip pan, wall hanged	1.000 mm	<b>24204</b>
Drip pan, wall hanged	1.250 mm	<b>24205</b>
Drip pan, wall hanged	1.500 mm	<b>24206</b>
Drip pan, ceiling mounted with four 2 metre chains.	1.250 mm	<b>24207</b>



### Hose Outlet Roller guide

Additional hose outlet roller guide, used when mounting a hose reel in a cabinet. Max. hose dimension Ø 25 mm

Description	Dimension	
Hose Outlet	110 x 110 mm	<b>2145998</b>



## Hose Reel, Accessories

### Mounting Rack

Mounting racks are used to facilitate the mounting of several hose reels. Time is reduced and the work can easily be done by one person. Pre-drilled holes for ORK, ORM, ORS, ORL, CRK and CRO reels.

Description	L x W x H (mm)
For up to two reels	550 x 310 x 60
For up to three reels	825 x 310 x 60
For up to five reels	1.375 x 310 x 60

Part No

92182  
92183  
92185



### Support Post for Hose Reels

To mount one or two reels (side by side). Easy to assemble. Pre-drilled holes.

Description	For reels
Support Post, (H 2.400 x 400 x 320 mm) (side by side)	ORK, ORM, ORS, CRK, CRO

92170



### Service Stands for 3 or 5 Reels

Standard service stand, for up to five hose reels, manufactured in grey laquered steel. Pre-drilled holes for ORK, ORM, ORS, ORL, CRK and CRO reels. The stand is delivered complete as per picture. Dimensions H x W x D 2.400 x 1.300 x 310 mm

Description	H	W	D
For three hose reels	2.220	1.200	400 mm
For five hose reels	2.220	1.750	400 mm

92173  
92175

92173



### Service Stand

Standard service stand, for up to six hose reels, manufactured in grey laquered steel. The stand has a drip tray. Pre-drilled holes for ORK, ORM, ORS, ORL, CRK and CRO reels.

**Dimensions** (H x W x D) 2.600 x 1.543 x 760 mm  
For reels ORK, ORM, ORS and CRK.

92190

**Dimensions** (H x W x D) 2.600 x 1.972 x 760 mm  
For reels ORK, ORM, ORS, ORL, CRK and CRO.

92192

Bracket for exhaust reel  
Bracket for two extra hose reels  
Height extension kit (makes the stand 500 mm higher)

92194  
92195  
92193





### Service Tower, Small

The workshop tower can be equipped with a variety of product and provides a single source center for oil, grease, antifreeze, air and exhaust systems. Supplied without equipment.

**Description**

Service tower, without hose reel mounting rack  
 Dimensions (H x W x D) 3.000 x 2.150 x 500 mm

Service tower, with hose reel mounting rack for 3 reels  
 Dimensions (H x W x D) 3.000 x 2.150 x 825 mm

Service tower, with hose reel mounting rack for 5 reels  
 Dimensions (H x W x D) 3.000 x 2.150 x 1.375 mm

Part No

92176

92177

92178



### Service Tower, Large

The workshop tower (height 3,5 m) can be equipped with a variety of product and provides a single source center for oil, grease, antifreeze, air and exhaust systems. Supplied without equipment.

**Description**

Service tower, for one exhaust reel  
 Dimensions (H x W x D) 3.580 x 2.350 x 1.650 mm

Service tower, for two exhaust reels  
 Dimensions (H x W x D) 3.580 x 3.000 x 1.650 mm

Concrete fastener (floor bracket), Zinc plated (850 x 850 mm)

92165

92169

92124



Notes:

A large rectangular area with rounded corners, containing numerous horizontal dotted lines for writing notes.



## 9 Hose End Control

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Detergent and Air Control Valves .....	109
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## Grease Control Valves

### Grease Control Valve

Control valve with outlet tube and nozzle, connection thread G1/4" (f), PN 50 MPa (500 bar), weight 550 gr.

Description	Conn. thread	Max pressure
Grease control valve	G1/4" (f)	50 MPa (500 bar)
Grease control valve w. Z-swivel	G1/4" (f)	50 MPa (500 bar)

#### Part No

14612



**14612**  
**14615**

14615



### Grease Control Valve Component Kit

Comprises a grease gun (14612) with inlet adapter (G1/4"), Z-swivel and 450 mm flexible outlet hose.

*Note! Adapter 25102032 is required when 3/8" hose reel is used.*

99600

25102032

99600



### Grease Control Valve - High Pressure

Pressure can be increased to 80 MPa (800 bar) by pumping the handle. Inlet filter and release valve included.

Description	Conn. thread	Max connection pressure
Grease control valve	G1/4" (m)	50 MP (500 bar)
With inlet filter and relief valve.		

**NOTE! Do not use with outlet hose.**

14625



### Grease Control Valve - High Pressure

Pressure can be increased to 80 MPa (800 bar) by pumping the handle.

Description	Conn. thread	Max connection pressure
Grease control valve	G1/4" (f)	50 MP (500 bar)

**NOTE! Do not use with outlet hose.**

14626



## Grease Control Valves with Digital Meter

### Grease Meter

Digital grease meter, equipped with current dispense display and resettable and non-resettable totalisors. Digital display powered by two 1,5 V AAA batteries.

Max working pressure 50 MPa (500 bar)

Max flow 1.000 gr/min. Accuracy +/- 2 %.

Description	Connection thread	Max working pressure
Meter with control valve	G1/4"(f)	50 MPa (500 bar)
Inline meter	G1/8"(f)	50 MPa (500 bar)
Line meter with pulse transmitter output.	G1/8"(f)	50 MPa (500 bar)

**Part No**
**14720**
**14710**
**14730**

14720



14710



14730



### Swivels for Grease

Makes it possible to handle grease hoses with ease even at high pressure. For best results use a straight swivel between pump and distribution hose and a Z-swivel between hose and grease control valve.

Description	Connection threads	Max. pressure
Straight swivel	G1/4" (m) - G1/4" (f)	50 MPa (500 bar)
Z-swivel	G1/4" (m) - G1/4" (f)	50 MPa (500 bar)
Z-swivel	1/4 "NPT (m) - 1/2" - 27. (m)	50 MPa (500 bar)
Z-swivel	G1/8" (m) - G1/4" (f)	50 MPa (500 bar)
Adapter	G 3/8" (m) - G1/4" (m)	50 MPa (500 bar)
Adapter (0105-2)	G1/8" (f - f)	50 MPa (500 bar)
Adapter	G1/4" (m) - 3/8" NPTF (m)	50 MPa (500 bar)

**18070**
**18071**
**18072**
**18073**
**25102032**
**25101915**
**25102737**

18070



18071



18072

18073



### Outlet Hoses for Grease Control Valves

High pressure hose, 3/16" i.d., Nitrile rubber with one Nylon braid, PN 50 MPa (500 bar) and swaged couplings.

Description	Hose length	Conn. thread
Outlet hose	200 mm	G1/8" (m-m)
Outlet hose	300 mm	G1/8" (m-m)
Outlet hose	450 mm	G1/8" (m-m)
Outlet hose	1000 mm	G1/8" (m-m)
Outlet hose	2500 mm	G1/8" (m-m)

**14042**
**14043**
**14044**
**14047**
**14052**


## Water and Antifreeze Control Valves

### Water Control Valve

Water control valve, various connection options using adapters.

#### Description

Water control valve with rubber nozzle. G1/4" (f)  
 Water control valve with rubber nozzle. G3/8" (f)  
 Water control valve with rubber nozzle. G1/2" (f)

Water control valve. G1/4" (f)  
 Water control valve. G3/8" (f)  
 Water control valve. G1/2" (f)

#### Part No

**24105**  
**2410564**  
**2410561**

**24106**  
**2410664**  
**2410661**

24105



24106



### Control Valve for Water Based Fluids

Water control valve with special flexible rubber outlet to prevent foaming.

#### Description

Water control valve with swivel G1/2" (m)  
 Water control valve with swivel G1/2" (f)  
 Water control valve with swivel G3/8" (f)

**2468060**  
**2468061**  
**2468064**



### Hose end Meter for Water Based Fluids

Digital hose end meter for water based fluids, powered by 2 replaceable AAA 1,5 V alkaline batteries. The meter is fitted with a special flexible rubber outlet to prevent foaming.

Flow range: 5 to 15 l/min. Max work pressure: 4 MPa (40 bar).

#### Description

Water control valve with meter 24140 and swivel G1/2" (m)  
 Water control valve with meter 24140 and swivel G1/2" (f)

Water control valve with meter 24773 and stainless steel swivel G1/2" (m)

#### Description

PVC Inline meter G1/2" (f)  
 Stainless Steel Inline meter G1/2" (f)

#### Max pressure

3 MPa (30 bar)  
 10 MPa (100 bar)

**24144**  
**24143**

**24145**

**24773**  
**24777**

24144



24773

24777



### Wash Handle

Heavy duty wash control gun made of rubber covered die-cast brass.

Flow pattern regulated by the trigger.

Max pressure 3 MPa (30 bar). Connection thread G1/2" (f).

#### Description

Wash control gun G1/2" (f)  
 Wash control gun G3/8" (f)

**28182**  
**2818264**



### Wash Handle

Straight form wash nozzle with on/off and flow pattern regulated by turning the sleeve. Supplied with 1/2" hose connection.

#### Description

Wash nozzle with 1/2" hose bore in brass  
 Wash nozzle with 1/2" hose bore in brass  
 Bare hose adapter with hose bore 3/4" for 28368  
 Wash nozzle with G1/2" (f) connection in stainless steel

#### Max pressure

10 bar  
 16 bar  
 16 bar

**28268**  
**28368**  
**38220812**  
**28369**

28268



28368



28369



## Detergent and Air Control Valves

### Wash Handle

Heavy duty wash handle made of die-cast brass with rubber covered handle. Supplied with two nozzles, 2 and 4 mm jet holes. Flow pattern adjustable with control knob.  
Max pressure 3 MPa (30 bar).

**Description**

Wash handle for 1/2" hose connection in brass  
Wash handle for 3/4" hose connection in brass

Part No

16004  
16006



### Spray Handle with Spray Tube

Designed for use with detergents. Consists of a brass valve body with 580 mm brass outlet tube and two nozzles, one with an adjustable spray pattern.  
Connection thread. G 3/8" (m).

**Description**

Spray handle with spray tube  
Spare adjustable nozzle  
Spray handle with spray tube (Nickel plated brass)

24029  
550012  
24108



### Spray Handle with Spray Tube

Designed for use with detergents. Consists of a thermoplastic valve body with an brass outlet tube. Two different spray nozzles for water- and petroleum based detergents.  
Connection G1/2" (f).

**Description**

Spray handle with spray tube  
Spray handle with spray tube  
Spare adjustable nozzle

**Outlet tube**

500 mm  
915 mm

24098  
24099  
550012



### High Pressure Swivel in Brass

Designed for use with detergents. Connection G3/8" (f-m).  
Max pressure 25 MPa (250 bar).

**Description**

High pressure swivel

24518



### Blow Gun

Blow gun for efficient cleaning, made of impact resistant plastic with ergonomically designed handle.  
Tube length approx. 100 mm. Connection thread, G1/4" (f)

**Description**

Blow Gun

**Connection thread.**

G1/4" (f)

**Weight (approx.)**

100 g

44503



### Industrial Blow Gun

Blow gun manufactured with a durable cast aluminum body with ergonomic grip. Includes a safety nozzle that increases the air thrust with a reduction of the noise level and minimum air consumption.

**Description**

Industrial Blow gun

**Conn. Thread**

G1/4" (f)

**Weight (approx.)**

200 g

44504



## Diesel & AdBlue® Control Valves

### Diesel Nozzles

Description	Max.flow	Inlet
Automatic Nozzle	45 l/min	G1"(f)
Automatic Nozzle	80 l/min	G1"(f)
Manual Nozzle	100 l/min	G1" (f) with swivel

#### Part No

23605

23608

23606

23605



23606



### AdBlue® Nozzles

Description	Max.flow	Inlet
Automatic Nozzle (Magnetic ring for opening the valve is not required)	45 l/min.	Ø 19 mm with swivel
Manual Nozzle	80 l/min.	G1" (f) with swivel
Manual Nozzle	40 l/min.	G1/2" (f) with swivel
Automatic Nozzle	45 l/min.	Ø 19 mm with swivel
Automatic Nozzle	10 l/min.	G1" (f) with swivel
Automatic Nozzle	15 l/min.	Ø 19 mm with swivel

23577

23580

2468070

75200

75201

75202

23577

75201



75200

23580



75202

2468070



### AdBlue® Hose End Meter

AdBlue® nozzle with digital meter. One model featuring an electronic indication when the container is full to prevent over-filling.

Description	Max.flow	Connection	Max pressure
Hose End Meter	50 l/min.	G1/2" (m)	3 MPa
Hose End Meter with overfilling indication	50 l/min.	G1/2" (m)	3 MPa

24145

24146

24146



### AdBlue® Meter

AdBlue® meter with big display for simple installation. The meter can be installed directly on the control valve or at the end of the hose. The electronics is powered by two batteries for easy changing.

#### Technical information

Accuracy: +/- 1%. Can be calibrated

Description	Max.flow	Connection	Max pressure
Turbine meter	120 l/min.	G1" (m) (f-f adapter incl.)	1 MPa
PVC meter	50 l/min.	G1/2" (f)	3 MPa
Stainless steel meter	50 l/min.	G1/2" (f)	10 MPa

24759

24773

24777

24759



24773





## Oil Control Valve

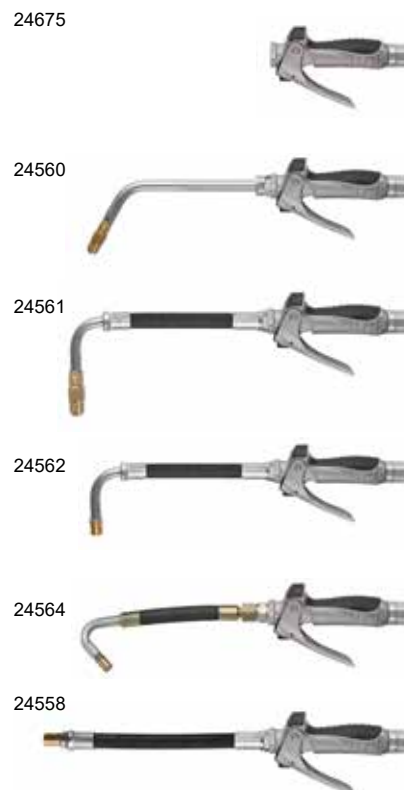
Control valve made in aluminium with large flow capacity. Max pressure: 10,5 Mpa (105 bar). Swivel included. Inlet G1/2" (f). Can be locked in open position.

### Description

- Oil Control Valve without outlet tube
- Oil Control Valve with 60° rigid tube and lockable non-drip nozzle
- Oil Control Valve with 90° hose and lockable non-drip nozzle
- Oil Control Valve with 90° hose tube and automatic non-drip nozzle
- Oil Control Valve with 135° hose tube and automatic non-drip nozzle
- Oil Control Valve with straight hose and automatic non-drip nozzle

### Part No

- 24675
- 24560
- 24560
- 24561
- 24562
- 24564
- 24558



## Outlet hoses and accessories for above Oil control valve

### Description

- Rigid outlet 60° with lockable non-drip nozzle
- Hose outlet 90° with automatic non-drip nozzle
- Hose outlet 90° with lockable non-drip nozzle
- Hose outlet straight with automatic non-drip nozzle
- Hose outlet straight formable with lockable non-drip nozzle
- Hose outlet 135° with automatic non-drip nozzle

Inlet swivel G1/2"(f)

Automatic non-drip nozzle, connection G1/4"(f)  
 Lockable non-drip nozzle, connection G1/4"(f)

Set of four color coded protectors

- 2285470
- 2285471
- 2285472
- 2285473
- 2285474
- 2285475
- 2246122
- 24556
- 24557
- 2455000



## Control Valves for Oil, Water, Windscreen Liquids, etc.

### Control Valve

A range of valves with ergonomically designed handgrip of glass filled polyamide. Available in several combinations or as individual parts. Max. working pressure 5 MPa (50 bar).

#### Description

Control valve without accessories

### Latch Kit

The latch kit is intended to be used for example when it is desired to make large fluid dispenses without manually holding the valve open. The kit contains three different latches. Latch 1 is used to lock the valve in both open and closed positions. Latch 2 is used to lock in the open position. Latch 3 is used to lock the valve in the closed position.

### Control Valve

Control valve made of glass filled polyamide with an inlet strainer which minimizes the contamination risk. Max working pressure 5 MPa (50 bar), inlet G1/2" (m) or G1/2" (f).

#### Description

Control Valve Rigid outlet (24170), non drip nozzle (24527) and swivel (24586) G1/2" (m)

Control Valve Rigid outlet (24170), non drip nozzle (24527) and swivel (24585) G1/2" (f)

Control Valve Hose outlet (2285346), non drip nozzle (24527) and swivel (24586) G1/2" (m)

Control Valve Hose outlet (2285346), non drip nozzle (24527) and swivel (24585) G1/2" (f)

### Control Valve high-flow

High-flow control gun is designed for applications where fast delivery matters. From repair shops to car dealerships, truck, fleet and off-road maintenance facilities. Manufactured in aluminum.

Max flow	Max.pressure	Inlet	Outlet	
70 l/min.	7 MPa (70 bar)	G3/4" (f)	Ridgid tube, 60°	<b>24567</b>
70 l/min.	7 MPa (70 bar)	G3/4" (f)	Hose	<b>24568</b>

### Digital Hose End Meter high-flow

Max flow	Max.pressure	Inlet	Outlet	
70 l/min.	7 MPa (70 bar)	G3/4" (f)	Ridgid tube, 60°	<b>24756</b>
70 l/min.	7 MPa (70 bar)	G3/4" (f)	Hose	<b>24757</b>

#### Part No

24680

**24680**



24679

**24679**



2468010

**2468010**



2468050

**2468011**

**2468050**

**2468051**



24567

**24567**

**24568**



24756

**24756**

**24757**



### Mechanical Hose End Meter

Very robust rotary-piston type Hose End Meter including swivel, valve handle, inlet strainer, outlet hose and non-drip nozzle.

**Functions:**

- Resetable trip meter
- Non-resetable 5 digit totaliser display
- Accuracy +/- 0,65%
- No batteries required, environmental friendly
- Trigger can be locked in open position
- Scale 0-10L

**Technical Data**

**Connections:** Inlet: G1/2"(f) Outlet: G1/2"(f)  
**Flow range:** 2-20 l/min  
**Working pressure:** 100 bar (1450 psi)  
**Temperature range:** -10 °C to 60 °C  
**Fluid compability:** Low to high viscosity lubricants (50-50000 cSt), ATF and Antifreeze.

**Description:**

Mechanical Hose End Meter with straight outlet hose and automatic non-drip nozzle

Mechanical Hose End Meter with formable outlet hose and lockable manual non-drip nozzle

Part No

24792



24793



24792

24793

### Pre-set Mechanical Hose End Meter

Very robust rotary-piston type Hose End Meter including swivel, valve handle, inlet strainer, outlet hose and non-drip nozzle. For automatic operation set the dial pointer to the quantity needed, actuate the trigger for automatic latching and the valve will deliver exactly the volume required and then shut off.

**Functions:**

- 5 digit display
- Resetable trip meter
- Non resettable totaliser
- Accuracy ±0,65%
- No batteries required, Environment friendly
- Scale 0-10L

**Technical Data**

**Connections:** Inlet: G1/2"(f) Outlet: G1/2"(f)  
**Flow range:** 2-30 l/min  
**Working pressure:** 100 bar (1450 psi)  
**Temperature range:** -10 °C to 60 °C  
**Fluid compability:** Low to high viscosity lubricants (50-50000 cSt),

24797



24797

### Pre-set Digital Hose end meter

Very robust digital hose end meter. Complete with swivel, inlet filter, battery, automatic non-drip nozzle and moldable outlet hose.

**Technical data**

**Connections:** G1 / 2 "(f)  
**Max flow:** 1-30 liters / min.  
**Working pressure:** 50 bar / 725psi)  
**Temperature range:** -5 ° C to +50 ° C  
**Fluid compability:** Oil  
**Accuracy:** ± 0.5%  
**Batteries:** 4xAA 1.5V alkaline

24123



24123

## Hose End Meters

### Digital Hose End Meter

#### Functions:

- For measuring oil and glycol
- 5 digit display
- Resettable trip meter
- Non resettable totaliser
- Easy calibration (accuracy  $\pm 0,5\%$ )
- Simple battery change

#### Technical Data

<b>Connections:</b>	G1/2" (f)
<b>Weight:</b>	1,1 kg
<b>Flow range:</b>	1 - 20 l/min
<b>Working pressure:</b>	0,5 - 70 bar
<b>Temperature range:</b>	0 °C to + 55 °C
<b>Accuracy:</b>	< $\pm 0,5\%$ (after calibration)
<b>Fluid compability:</b>	All types of mineral and synthetic lubricants up to 140SAE (5-5.000 mPa/s)
<b>Battery:</b>	2 x LR03 Alkaline - 7.000 hours average life

#### Description:

Hose end meter	including swivel, valve handle and inlet strainer
Hose end meter	including swivel, valve handle, inlet strainer, outlet hose 90° and automatic non-drip nozzle
Hose end meter	including swivel, valve handle, inlet strainer, outlet hose 90° and lockable manual non-drip nozzle
Hose end meter	including swivel, valve handle, inlet strainer, outlet tube 60° and lockable manual non-drip nozzle
Hose end meter	including swivel, valve handle, inlet strainer, outlet hose 135° and automatic non-drip nozzle
Hose end meter	including swivel, valve handle, inlet strainer, formable outlet hose and automatic non-drip nozzle

#### Part No

24788



24785



24113



24788

24785

24113

24114

24116

24117

24114



### Outlet hoses and accessories for above Oil control valve

#### Description

- Rigid outlet 60° with lockable non-drip nozzle
- Hose outlet 90° with automatic non-drip nozzle
- Hose outlet 90° with lockable non-drip nozzle
- Hose outlet straight with automatic non-drip nozzle
- Hose outlet straight formable with lockable non-drip nozzle
- Hose outlet 135° with automatic non-drip nozzle

Inlet swivel G1/2"(f)

Automatic non-drip nozzle, connection G1/4"(f)

Lockable non-drip nozzle, connection G1/4"(f)

1,5 V battery (alkaline), type LR03/AAA

Set of four color coded protectors

2285470

2285471

2285472

2285473

2285474

2285475

2246122

24556

24557

2346077

2455000

2285470



2285471



2285472



2285473



2285474



2285475



2285473



2285474



2285474



2285474



2285474



2285475



2246122



24556



24557



2455000



## Accessories for Hose End Control Valves

### Outlet Hoses and accessories for 24700, 24702 and 24680

Outlet hoses, connection threads G1/2" - M12x1

**Description:**

Outlet hose, straight  
 Outlet hose, straight for Lockable Non-drip Nozzles  
 Outlet hose 90°  
 Outlet hose 135°  
 Outlet hose, flexible  
 Rigid outlet, steel tube  
 Water hose  
 Adapter for use together with oil control valve 24680, to connect outlets

### Non-drip Nozzles, connection thread M12x1

**Description:**

Fully automatic opening and closing  
 Semi-automatic, opened by fluid pressure, manually closed  
 Lockable, opened and closed manually by 90° turn  
 Lockable, with straight outlet pipe, opened and closed manually by 90° turn  
 Lockable, with bent outlet pipe 135°, opened and closed manually by 90° turn

**Diameter**

Ø 14 mm  
 Ø 16 mm  
 Ø 18 mm  
 Ø 8 mm  
 Ø 8 mm

*Note! For lockable nozzles use only 24170 or 2285441 outlets!*

### Swivels in brass

**Description:**

Swivel G1/2" (m) - G1/2" (f)  
 Swivel G1/2" (m), 60° cone - G1/2" (m)  
 Swivel Stainless Steel G1/2" (m), 60° cone - G1/2" (m)

**Part No**

2285343  
 2285441  
 2285344  
 2285345  
 2285346  
 24170  
 2245997  
 2145895

24519  
 24527  
 24528  
 24529  
 24537

24585  
 24586  
 24621



### Battery

**Description:**

9 V battery (alkaline), type 6LR61 9 V  
 For digital meters:  
 24700, 24702, 24710, 24712  
 1,5 V battery (alkaline), type LR03/AAA  
 For digital meters:  
 24785, 24795

2245634  
 2346077



### Drip Holsters

To protect hose end meters and control valves when not in use and to collect any oil drips.

**Description:**

Drip holster, Standard  
 Drip holster, with removable collector tray  
 Drip holster, with removable collector tray  
 Drip holster for drums

29090  
 29086  
 29096  
 29055



## Line Meters

### Line Meters

**Functions:**

- For oil and glycol (24764 also for Diesel)
- 5 digit display
- Resettable trip meter
- Non resettable totaliser
- Easy calibration (accuracy 0,5%)
- Simple battery change

**Technical Data**

<b>Working pressure:</b>	0,5 - 70 bar (8-1.000 psi)
<b>Temperature range:</b>	-10 °C to + 60 °C
<b>Accuracy:</b>	< 0,5% (after calibration)
<b>Battery:</b>	2 x LR03 / AAA Alkaline

Description	Connections	Flow rate	Work Pres. Max	Part No
Line meter	G1/2" (f)	1 - 20 l/min.	7 MPa (70 bar)	<b>24795</b>
Line meter	G3/4" (f)	1 - 80 l/min.	7 MPa (70 bar)	<b>24763</b>
Line meter	G1/2" (f)	1 - 20 l/min.	7 MPa (70 bar)	<b>24762</b>
Line meter	G1" (f)	1 - 100 l/min.	3 MPa (30 bar)	<b>24764</b>

24795



24763



24762



24764



### Line Meter, Mechanical

**Functions:**

- Resettable trip meter
- Non resettable totaliser
- Accuracy  $\pm 0,65\%$

Description	Connections	Part No
Line meter for Oil	G1/2" (f) (Outlet turned 90°)	<b>24778</b>
Line meter for Glycol	G1/2" (f) (Outlet turned 90°)	<b>24779</b>

**Technical Data**

<b>Working pressure Max:</b>	100 bar (1.450 psi)
<b>Temperature range:</b>	-10 °C to + 60 °C

24778



### Pulse Meter for Oil, Glycol & Diesel

Line meter with pulse transmitter output. Only for connection to monitoring systems (Orilink). Equipped with connection terminal and reel open indication light. This meter does not have a display or function buttons.

Description	Connections	Flow rate	Work Pres. Max	Part No
Pulse meter, 328 pulses/l pulse transmitter output	G1/2" (f)	1 - 30 l/min.	6 MPa (60 bar)	<b>24736</b>
Pulse meter, 109 pulses/l pulse transmitter output	G3/4" (f)	8 - 80 l/min.	6 MPa (60 bar)	<b>24766</b>

**Technical Data**

<b>Material:</b>	Measuring chamber:: Aluminium
	Measure wheel: Vectra®
<b>Accuracy:</b>	$\pm 0,5\%$
<b>Temperature range:</b>	-10 °C till + 60 °C

24736



## Stainless Steel Pulse Meter for Windscreen Fluids & AdBlue®

Line meter with 328 pulses/l and 312 pulses/l output for oil and water based fluids (windscreen wash and detergents mixed with water). Only suitable for connection to monitoring systems. This meter does not have a display or function buttons.

### Description

Stainless steel pulse meter  
 328 pulses/l pulse transmitter output  
 PVC pulse meter  
 312 pulses/l pulse transmitter output

### Work Pres. Max

6 MPa (60 bar)

3 MPa (30 bar)

### Part No

**24776**

**24772**

### Technical Data

<b>Material:</b>	Packings:	Viton
<b>Connection thread:</b>	Inlet:	G1/2 (f)
	Outlet:	G1/2 (f)
<b>Flow:</b>	1 - 50 l/min.	
<b>Accuracy:</b>	±0,5% (after calibration)	
<b>Temperature range:</b>	-10 °C to + 60 °C	

24776



24772



**Notes:**

A large rectangular area with rounded corners, containing numerous horizontal dotted lines for writing notes.



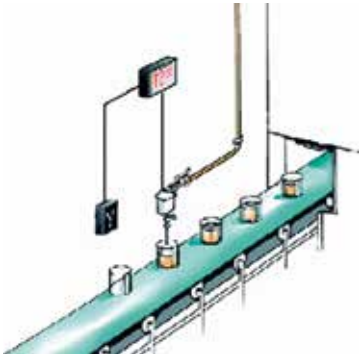


# 10 Monitoring

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## Dosing Equipment, Industry and Automotive



### Industry, Description Part No 23455

A high performance wall mounted pre-set dispense unit for industrial use that helps you to accurately fill objects with the correct amount of fluid. It reduces the amount of key/button input to obtain the required volume and removes the measuring tool from the floor and other hazardous areas. The mains powered unit eliminates the need for battery replacement. It can be used for a wide variety of products that needs to be dispensed accurately and can be connected to an OriLink® monitoring system if further functionality is needed at a later time.



### Automotive, Description Part No 23457

A high performance wall mounted pre-set dispense unit that helps you to accurately fill objects with the correct amount of fluid. It reduces the amount of key/button input to obtain the required volume and removes the measuring tool from the floor and other hazardous areas. The mains powered unit eliminates the need for battery replacement. It can be used for a wide variety of products that needs to be dispensed accurately and can be connected to an OriLink® monitoring system if further functionality is needed at a later time.

#### Technical specification

Power supply	Industrial, 110-230 VAC 50/60Hz, Automotive Common mains adapter, 110-230 VAC 50/60Hz
Solenoid valve output	24 V DC max. 1 A
Solenoid short-circuit	Yes ,protection
PPU	1-6553
Calibration	From buttons (or from OriLink® keypad or Neighbourhood)
Pre-set adjust	From buttons (or from OriLink® keypad)
Number of pre.sets	16
Number of decimals	0, 1, 2, 3, 4 or AUTO

#### Industry Part No 23455

Box	Black steel LED box with polystyrene over lay and a rugged sealed aluminium button box .
Buttons	Ni-coated brass, flat design, "vandal proof", IP65
Cable between LED	5 m 7-lead halogen free cable and button box

#### Automotive Part No 23457

Box	Black steel powder painted with polystyrene overlay. Painted metal.
Buttons	Lacquered metal.

#### Additional

Optional button support	Fast dispense Pre-set 1, 2, 3 and 4 (not included).
Expansion possibilities	Fully compatible with OriLink®, can be equipped with Clock module 23405

## OriLink® PC

### Basic functions

#### OriLink®

Max No. Hose Reels	253
Max No. Oil Grades	Unlimited
Max No. Keypads	Unlimited
Max No PIN Codes	Unlimited
Stores Control	YES
Technician Access	YES
Preset Dispense Qty.	YES
Preset Codes	YES
Job No. Validation	YES
PC-connection	YES
ADB integration, see below	YES
Dealer Management System Interface, see below	YES
More than one ticket printer	YES

#### Printout Data

Date and time of dispense	YES
Reel number identification	YES
Job number (alphanumeric)	YES
Technician Name and number	YES
Unique transaction number	YES
Fluid name and part number	YES
Ordered quantity	YES
Quantity dispensed in l (two decimals)	YES
Re-order Prompt	YES
Total Sales Value	YES
Stock level	YES

#### Management Data

Oil Usage by Grade	YES
Oil Usage by Operator	YES
Oil Usage by Job No.	YES
Oil Usage by Hose Reel No.	YES
Oil Usage by Transaction No.	YES
Stock Re-order Report	YES
Current Stock Level	YES
Transaction Data Storage/Recall Facility	YES
Waste Oil Control Facility	YES

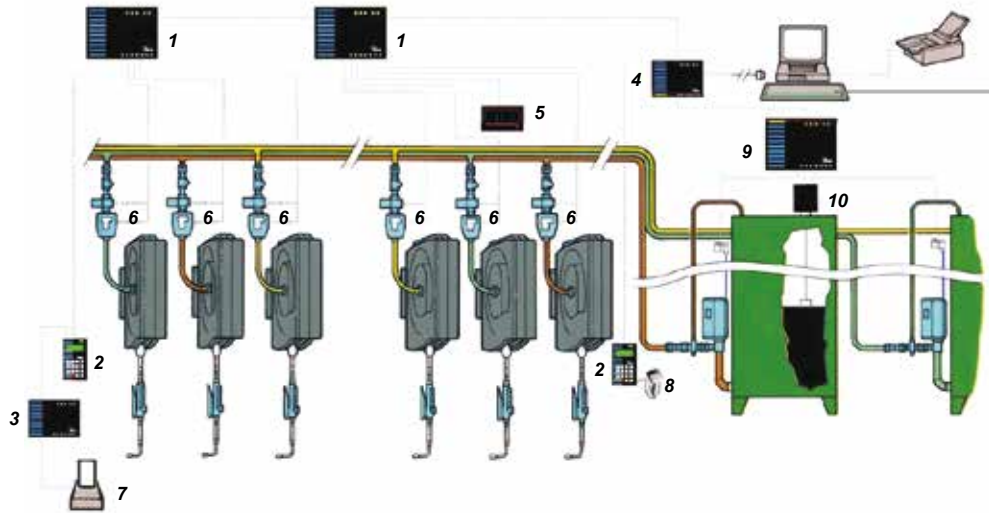
\* ADB integrated systems (April 2017)

List of names:

1C, ABS, Acosy, AD2000, ADP-US, Advance, ALNAOIL, Arista, AsaNet, AsWin, ATS32, AUTO2000, AutoDiaz, AUTOLINE, AUTOMAST, AutoMaster - ODBC, Automat, AutoMate, Autostacja3, AUTOTRUCK, AUTOVISI, AutoVision, Axapta, BarIS, BITS, BOFF, BohBros, BONUM, BOS, Bums, BungertP2, Car and You, Caris, CARS, CAY, CDP, COMPLETA, CONCORC5, Concorde XAL, CONCORDX, CONNEX, CosWare, DARTS, DEAS, DHow, DRACAR, Dracar+, Echo, EDS, ElvaDMS, EXCEL, FILAKSP, FilaksPlus, FLCARE, FleetMate, FleetPro, FleXi, Future, GDMS, GDS, GenericExcel, GenericODBC, GenericRest, GenericTEXT, GenericXML, Helios, HondaIndia, HTM, Ibcos, ICar, IDMS, IMPHDL, InCadea, InfoEasy, InfoFlex, InfoLog, iTruck, JyskNav, Kerridge, KfzPilot, Kobra 2, KOBRA2, KOMMA, LAWSONM3, M3, Mahindra, Maruti, MEKOTECH, MerBag, MIF, MNet, MONITOR, MOVEX, Navision, NissanTw, ODBC, Optima21, OpusAllt, Orfala, OrsWin, PorscheQ, PvManager, QAW, Quiter, REYNOLDS, Rimses, Rowil, SAP, SAP-Sil, SAS, SDPS, SDS, Skaita, SmartDMS, SMC, SMC - DB2Connect, SMC - Xml - SOAP, SQL, Stieger, Stolpi, StreamLine, Swecon LawsonM3, Tacdis, TACDIS5, TeraGest, TEXT, TPX, TranMan, TSYSTEM, UNIVERSALAUTO, WASSIST, Vaudis, Wegos, VIBS, WinAssist, WISMA2K, Volmax, WsControlFluidos, Xdms, XML.

*Alentec & Orion AB reserves the right to change specifications in this publication without notice.*

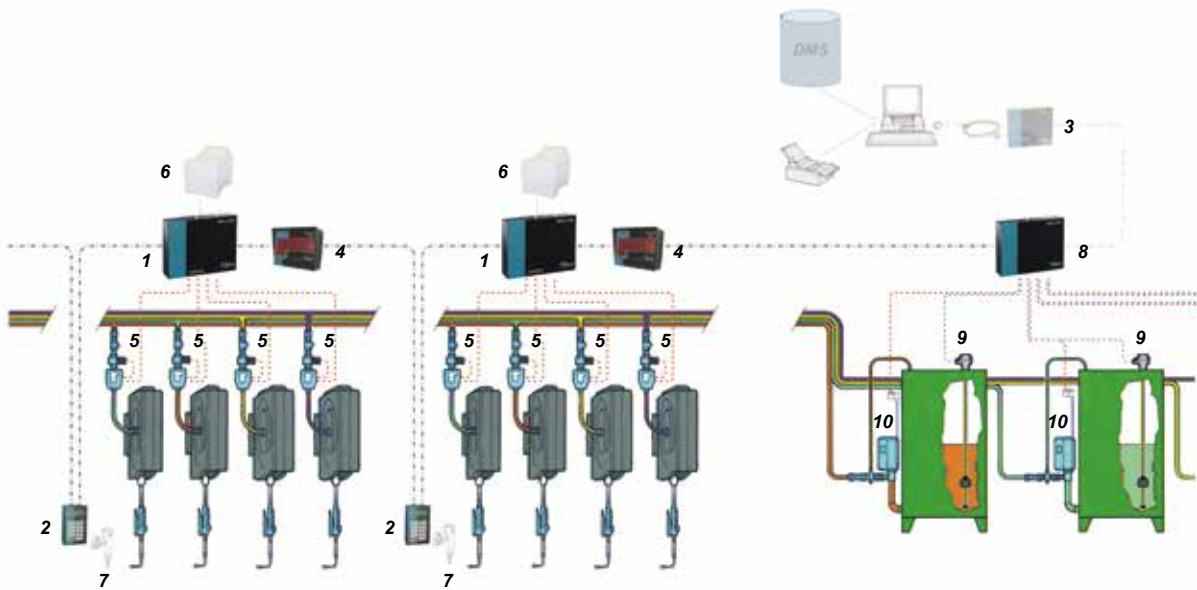
The OriLink® system is an advanced oil management system with no upper limit for number of reels, oilgrades or reels used simultaneously. An overview of the workshop oil system layout is presented as miniatures on the screen where all activities are graphically visible in real time! As all data is stored in the Windows environment comprehensive management reports can be obtained by using the advanced report engine in the system, or by exporting data to a report engine or other computer systems used on site.



Pos	Description	Part.No	Pos	Description	Part.No
1	Main Module (MPDM)	23400	7	Receipt Printer	23354
2	Keypad	23401	8	Bar Code Reader	23407
3	Printer Module	23402	9	Tank Module	23408/23430
4	PC-interface	23403	10	Analogue Level Sensor	23417
5	Digital LED Display	23404	11	Solenoid Valve	48059
6	Flow Meter/Solenoid Valve	SPEC2290	12	Software	23414



### Approvable Monitoring System



Pos	Description	Part.No	Pos	Description	Part.No
1	Approvable Main Module (MPDM)	23600	6	Receipt Printer	23354
2	Keypad	23401	7	Bar Code Reader	23407
3	PC-interface	23403	8	Tank Module	23408/23430
4	Digital LED Display	23404	9	Tank Level Sensor	2330287
5	Flow Meter/Solenoid Valve	SPEC2294	10	Solenoid Valve	48059
			11	Software	23614

Approvable Monitoring System

### Main Module (MPDM)

Each MPDM has connections to control up to four solenoid valves and is equipped with a key switch with normal operation, emergency over-ride and On/Off functions. Suitable for meter units with flow direction function. 230 V AC power supply required

Part No

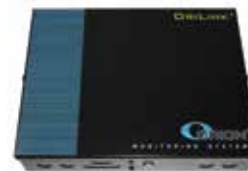
23400



### Approvable Main Module (MPDM)

Each MPDM has connections to control up to four solenoid valves and is equipped with a key switch with normal operation, emergency over-ride and On/Off functions. Has a built in printer modul for storage of transactions and local outprints. 230 V AC power supply required

23600



### Key Pad, Standard

To be installed in the workshop in order to give the operator access to the system using a personal ID-code. 2 x 16 signs window, 20 buttons display. Can be equipped with serial port kit (23415) for external reader (23407 or 23409).  
Transparent protection cover for the 23401.  
Wall bracket for keypad.

23401  
23261  
23260



### PC-keypad

The PC-keypad makes it possible to start and stop dispensing from a PC by clicking on a dispensing point. Also works with touch screen and OCP 1.xx connections.

23431



### Printer Module

With the printer module it is possible to connect a printer to the system (Model 23354). When the system has no PC (Program 23414) the information is stored in the printer module. Maximum 912 transactions, 32 users and 8 tanks can be stored. A system can have more than one printer module where there is a need for more than one ticket printer.

23402



### Communication Adapter/PC-interface

For connecting the system to a PC. Can also be used as a line amplifier when the communication cable is longer than 2.000 metre.

23403



### LED Display

Display with 40 mm digits. Displays the dispensed volume. When equipped with a clock module or PC-connected it shows the actual time when the system is not in use. One extra port for a solenoid valve.

23404



Can be used as tank level display together with 23408 or 23430.

### Tank Module

The tank module has four connections for controlling air solenoid valves to start and stop the pumps and can also work together with a low level or low and re-order level sensor. Is equipped with a key switch with normal operation, emergency override and On/Off functions. Controls waste oil solenoid valves plus the re-order warning on the PC. This module only works together with PC software 23414. 230 V AC power supply required.

23408



See also 23430 on page 127!

**OriLink®**
**Clock Module**

Can be mounted in a printer module or LED display for showing the actual time, when the system is not in use. Maximum one per system. Not required when a PC is included in the system.

**Part No**
**23405**

**Bar Code Reader**

Complete laser reader for both hand held and bracket mounted bar code reading. Reads all one dimensional codes. Supplied with trigger, cable, net adapter (230 V AC) and a bracket.

**23407**

**Card Reader**

For both bar code and magnetic strip. Can read all the three tracks on the magnetic strips according to the ISO-standard. Cable and net adapter (230 V AC) are included.

**23409**

**Dallas Key Reader**

By equipping an OriLink® keypad with this kit it is possible to read the laser cut unique serial number of Dallas keys/Buttons. It requires the Flash chip in a keypad an updated keypad software.

**23419**

**Serial Port Kit**

To connect the Bar Code or the Card readers to the Keypad (23401).

**23415**

**Professional Program**

PC database with report functions. Must be installed when the system is to be connected to an ADB system or when several printers are used.

**23414**

**Ticket Printer**

Parallel printer SP700. Delivered complete with cables, paper and ribbon, ready for connection to the system. (230 V AC)

**Description**

Ticket printer, parallel

Spare ink ribbon for 23354 (SP700)

Spare ticket roll for 23354 (SP200, SP700)

Spare ink ribbon for 23354 (SP200)

**23354**
**23377**
**23334**
**23335**

**Communication Cable**

Two twisted pairs, each pair shielded 4-core 0,36 mm<sup>2</sup>. Use between 23400 - 23408, 23430 and 23600.

**Description**

Communication cable, 50m

Communication cable, 100m

**23411M50**
**23411M100**

**Control Cable**

Use between MPDM and meter/solenoid valve.

**Description**

Control cable 4-core 0,5 mm<sup>2</sup>, 25m

Control cable 4-core 0,5 mm<sup>2</sup>, 50m

Control cable 4-core 0,5 mm<sup>2</sup>, 100m

Control cable 5-core 0,5 mm<sup>2</sup>

**23393M25**
**23393M50**
**23393M100**
**23412**

**EX cable**

Between level switch and safety relay (23187) 4-core 0,5 mm<sup>2</sup>

**23164**

### Line Meter Kit for Oil, Glycol

Line Meters with solenoid valves. Indicates open valve. Strainer part no 28022 included in SPEC2290.

Description	Max. Pressure Pulses	Conn. thread	Positions Included
Meter for oil 24736 and solenoid valve 28127	5 MPa (50 bar) 328 pulses/l	G1/2" (m)	1-6
Meter for oil 24736 and solenoid valve 28127	5 MPa (50 bar) 328 pulses/l	G1/2" (m)	5-6 w/o strainer
Approvable meter and solenoid valve 28306	5 MPa (50 bar) 328 pulses/l	G1/2" (m)	1-6
Meter for oil 24766 and solenoid valve 28306	2,5 MPa (25 bar) 36 pulses/l	G3/4" (m)	1-6

Part No

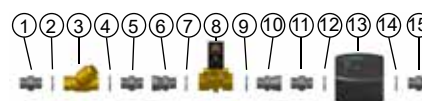
SPEC2290

23355

SPEC2294

SPEC2293

SPEC2290



SPEC2293



### Line Meter kit for Windscreen Wash, Detergents and AdBlue®

Line Meter with solenoid valve. Indicates open valve.

Description	Max. Pressure Pulses	Conn. thread	Material
Meter incl. Solenoid valve 28306	5 Mpa (50 bar) 328 pulses/l	G1/2" (m)	Stainless Steel
AdBlue® meter incl. solenoid valve	1 Mpa (10 bar) 328 pulses/l	G1/2" (m)	Stainless Steel

SPEC7291

SPEC7293

SPEC7291



SPEC7293



### Line Meter Kit for Diesel

Line Meter (24766) with solenoid valve (28308). Strainer, part no 28059 included.

Description	Max. Pressure Pulses	Conn. thread	Packings
Meter for diesel incl. 24766 solenoid valve 28308 ingår	1,0 Mpa (10 bar) 36 pulses/l	G3/4" (m)	Viton

SPEC2292



### Meter Kit for Grease

Meter kit with solenoid valve.

Description	Max. Pressure Pulses	Conn. thread
Meter for grease incl. solenoid valve	30 Mpa (300 bar) 1.450 pulses/l	G1/4" (f)

SPEC1290



# Monitoring Equipment

## Tank Level Alarm

Reversible float to allow high level or low level control. Suitable for oil and diesel tanks. Alerts user when level has been reached. Low voltage, 9 V operated, no mains wiring required. Can be connected to remote visual alarm.

**Description**

Tank Level Alarm incl tank level sensor  
 Tank Level Sensor, 5 metre cable included

Part No

23449  
 2330287



## Pressure Gauge/Low Pressure Switch

Can be mounted in the outlet tubing for grease to alarm and/or shut off the pump when the pressure is too low. Will also prevent the pump from dry running in case of empty barrel. Built in pressure switch (10 MPa, 100 bar) and micro switch (max. 50 V 1A) incl. 1,5 m connection cable.

Description	Pressure range	Conn. thread	Diameter
Gauge with pressure switch, for grease	0 - 60 MPa (0 - 600 bar, 8.700 psi)	G1/2" (m)	Ø 100 mm

23072



## Solenoid valves for Air

For the control of oil and waste oil pumps.

Description	Conn. thread
Solenoid 230 V AC	G 1/4" (f)
Silencer for 48008	G 1/4" (f)
Solenoid 24 V DC	G 1/4" (f)
Solenoid 24 V DC	G 1/2" (f)
Solenoid 24 V DC	G 3/4" (f)
Solenoid 24 V AC/DC Ex.G 1/2" (f)	G 1/2" (f)
<i>Atex Solenoid coil 24 V AC/DC suits 48059, 28306 and 28338</i>	
<i>Solenoid coil 24 V AC suits 28306</i>	

48008  
 2326260  
 48059  
 48081  
 48082  
 48080  
 2385450  
 4080050

48008



48059



2326260



## Solenoid valves for Fluids

For flow control. 24 V DC

Description	Conn.thread	Max Pressure
Special solenoid for high viscosity fluids	G 1/2" (f)	5 MPa (50 bar)
Solenoid for oil, glycol, wind screen fluids	G 1/2" (f)	5 MPa (50 bar)
Solenoid for Grease	G 1/4" (f)	50 MPa (500 bar)
Solenoid for Diesel	G 3/4" (f)	1 MPa (10 bar)
Solenoid for Oil	G 1" (f)	6,0 MPa (60 bar)
Solenoid for AdBlue®	G 1/2" (f)	1 MPa (10 bar)
Direct-acting solenoid Ø1mm	G 1/4" (f)	10 MPa (100 bar)

28127  
 28306  
 38013  
 28308  
 28304  
 28327  
 28333

28127



28306



38013



28308



28304



28333





### Control Panel for Drum or Tanks

Protects the pneumatic pumps from dry pumping and the waste oil tanks from over filling. The panel can handle 4 different pumps/tanks at the same time. On the front of the panel there are 8 lamps, one stop and one alarm per drum/tank with test button. Two levels for each drum/tank. In case of inflammable fluids, the unit must be completed with Model 23187. When need of more solenoid valves are required, use relay box (23167). The unit can be connected to the OriLink system. (230 V AC, Solenoid Valve 24 V DC)

Part No

23430



### Control Panel for Drum or Tank

For use as a protection against overflowing or dry pumping of waste oil or washer fluid. The panel has built-in ATEX classified security barrier and lamp for stop and alarm.

**Description**

Supply voltage 230 V AC, 24 V DC solenoid.

23195



### Start button with indicator for pumps

Spring loaded push button suitable for waste- or fresh oil pumps for having a non pressurized system when not in use. Used together with tank module or control panel (23430). Supply voltage 24 V AC/DC.

23040



### Tank Level Switch, 60, 200 l Drums & 1.000 l Containers

Switch on/off when the liquid level is appr. 30 mm from the bottom. 24 V DC 1 A. Fits in the drums 3/4" thread. Max height of container 1.080 mm.

**Description**

Level sensor, switch off with low level, for oil.

Level sensor, switch off with low level, for alcohol and similar. Reversible float.

2- Level sensor, switch off with low level and warning 300 mm from bottom, for oil.

2- Level sensor, switch off with low level and warning 300 mm from bottom, for alcohol and similar.

Level sensor for tank, L = 5m, G2" (m)

2- Level sensor, hose type L= 2 m

23171

23183

23191

23192

2330287

23193



### Level Switch, Waste Oil

For control of waste oil tank level. Equipped with two switch levels. Other levels possible on special request. The body is equipped with a terminal strip for the connection of cables. Conn. thread G 2" (m)

**Description**

2-Level sensor for waste oil

**Alarm level**

300 mm

**Stop level**

150 mm

2-Level sensor for waste oil

450 mm

300 mm

23132

23154



## Safety and Protection

### Analogue Level Sensor

Self calibrated against the surrounding air pressure. To be connected to the OriLink Tank module Model 23408 or control panel 23430.

**Description**

4-20 mA level sensor for tanks up to 4 m height  
 4-20 mA level sensor for drums and IBC containers

**Part No**

**23417**  
**23435**



### Safety Relay

This ATEX classified relay is to be installed outside of inflammable places. It is connected between the sensor in the inflammable place and the control panel. To be used in connection with sensors for waste oil or windscreen fluids. (230 V AC)

**Description**

Relay for 1 level switch (Eg 23132/23192) or 2 level switches (Eg 23183/23171)  
 Relay for 2 analogue level sensors (Eg 23417)

**23187**  
**23188**



### Relay Box

To be used when more that two solenoids is used for waste oil. (24 V DC), max 5A

**23167**

### Overflow Protector for tanks

Designed for connection to the over flow system of the supply tanker. Level switch with thermo element. Connection plug for mounting at filling coupling included.

**Description**

Overflow protector for oil tank  
 Overflow protector, stainless steel for eg AdBlue®

**23163**  
**23168**



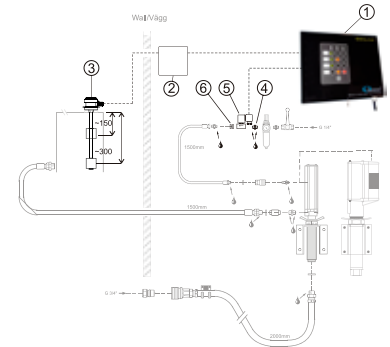
### Two Stage Alarm Equipment for Waste Oil

The equipment is EX-classified in accordance with waste oil handling regulations. The box can handle 6 different solenoid valves (24 V DC).

1	Control panel	23430
2	Ex ia Barrier	23187
3	Level switch	23132
5	Solenoid valve	48059

Part No

**SPEC8042**

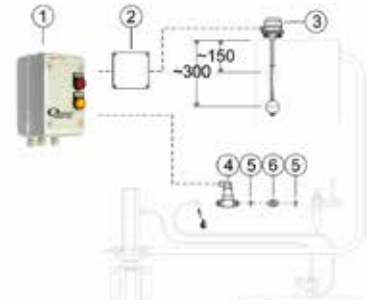


### Two Stage Alarm Equipment for Waste Oil

The equipment is EX-classified in accordance with waste oil handling regulations. The box can handle one solenoid valve (24 V DC).

1	Control panel	23195
3	Level switch	23132
4	Solenoid valve	48059

**SPEC8043**



### Pump Protection Kit for Grease Pumps

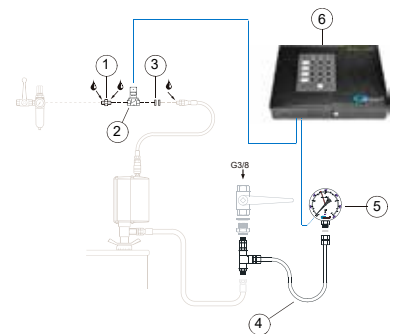
Used to prevent air from entering the pump tube and dry running the pump when the drum is empty.

Pressure sensor, resistant to fluids.

Equipment delivered unassembled in a kit, the major items are:

2	Solenoid valve, 24V DC	48059
4	Grease connection kit	1180033
5	Pressure sensor gauge	23072
6	Control panel	23430
	Button (23043) manual start after dry pumping	

**SPEC8110**



### Pump Protection Kit, Oil and Liquid Pumps

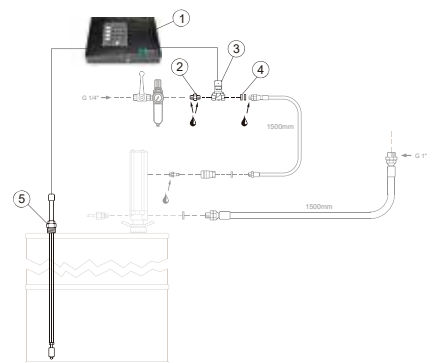
Used to prevent air from entering the pump tube and dry running the pump when the drum is empty.

Level sensor made of plastic, resistant to fluids commonly supplied in 205 l drums.

Equipment delivered unassembled in a kit consisting of the following:

1	Control panel	23430
3	Solenoid valve, 24V DC	48059
5	Low level sensor	23171 (for alcohol use 23183)

**SPEC8120**



### Pump Protection Kit for Pumps in EX Proof Areas

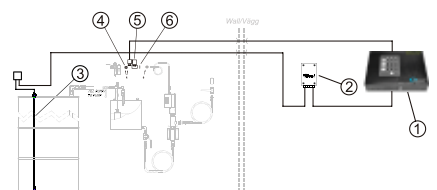
Used to prevent air from entering the pump tube and dry running the pump when the drum is empty.

Level sensor made of plastic, resistant to fluids commonly supplied in 205 l drums.

Equipment delivered unassembled in a kit consisting of the following:

1	Control panel	23430
2	Ex ia barrier (EEX ia)	23187
3	Low level sensor	23183 (for oil use 23171, not included)
5	Solenoid valve, 24V DC	48080

**SPEC8121**



**Notes:**

A large rectangular area with rounded corners, containing numerous horizontal dotted lines for writing notes.



# 11 Drum Handling

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## Trolleys

### Trolley for 12 kg Buckets to 60 kg Drums

Trolley for 12 kg to 60 kg drums with chain for holding the drum in place. Wheel diameter Ø 155 mm.

Description	Dimension (L x W x H)
Trolley	300 x 390 x 1.000 mm

#### Accessories

Pump bracket with G2" (f) thread. Mounts on the trolley with a pipe clamp.  
Strap 1,5 meters long for small kegs/buckets.

Part No

28528

28557  
40801327

28557



40801327



28528



### Trolley for Buckets and Plastic Containers

Trolley for buckets. Wheel diameter Ø 160 mm.

Description	Dimension (L x W x H)
Trolley	450 x 290 x 920 mm

28527

28527



### Drum Trolley for 60 kg Drums

Drum trolley for 60 kg drums only. With tubular drum support and a clamp screw for fixing the drum. Two swivel castors Ø 75 mm and two Ø 160 mm wheels.

Description	Dimension (L x W x H)
Drum trolley	500 x 450 x 1.060 mm

28526

28526



28557



#### Accessories

Pump bracket with G2 (f) thread. Mounts on the trolley with a pipe clamp.

28557

### Drum Trolley for 180 kg Drums

Drum trolley for 180 kg drums with three wheels, 2 large Ø 200 mm and one support wheel Ø 100 mm, which is equipped with a brake. The handle is supplied loose.

Description	Dimension (L x W x H)
Drum trolley	785 x 800 x 900 mm

28645

28645



#### Accessories

Pump bracket.

Reel bracket. For ORK,ORM, CRK and CRO Series

28651

28652

### Drum Trolley Heavy Duty for 180 kg Drums

Drum trolley for 180 kg drums with 3 wheels, 2 large tyres Ø 260 mm and one support wheel Ø 150 mm, equipped with a brake.

Description	Dimension (L x W x H)
Drum trolley	785 x 800 x 900 mm
Drum trolley*	785 x 800 x 900 mm

28646

28667

28646



\* Like 28646 but with hard wheels

#### Accessories

Reel bracket. For ORK, ORM, CRK and CRO Series

28653

### Safety Drum Trolley

Drum trolley for all containers up to 180 kg drums, with four wheels, 2 large Ø 250 mm, and two support wheels Ø 100 mm one equipped with a brake.

<b>Description</b>	<b>Dimension (L x W x H)</b>
Safety drum trolley	785 x 800 x 900 mm

**Part No**
**28277**


### Safety Drum Trolley with bracket for hose reel

Drum trolley for all containers up to 180 kg drums, with four wheels, 2 large Ø 250 mm, and two support wheels Ø 100 mm one equipped with a brake. Include a bracket for hose reel.

<b>Description</b>	<b>Dimension (L x W x H)</b>
Safety drum trolley	980 x 800 x 900 mm

**28350**


### Drum Dolly

Dolly for Ø 400 - 600 mm diameter drums, with three adjustable drum attachments and three (Ø 75 mm) swivel castors, one with a brake.

<b>Description</b>	<b>Dimension (L x W x H)</b>
Drum dolly	Height approx. 110 mm

**28582**


### Drum Band Dolly

Drum band dolly with an adjustable steel band to suit 60 kg drums (max Ø 375) fitted with four Ø 60 mm castors.

<b>Description</b>	<b>Dimension (L x W x H)</b>
Trolley	Max. Ø 375 mm

**28579**


### Container Tipper

Container / bottle emptied safely and easily through the leverage mechanics. Suitable for 20 liter tin (Ø 300 mm) or 25 liter cans (290 x 290 mm). The tipper can be mounted on wall or floor.

<b>Description</b>
Container Tipper

**92093**


### Drum Trolley

Basic drum trolley for transporting and moving oil drums. Useful when manually handling heavy 205 litre drums.

<b>Description</b>	<b>Dimension (L x W x H)</b>
Trolley	1.400 x 700 x 300 mm

**21110**


# Environment Protection & Drum Lifts

## Safety Pallet

Safety pallet for upright drum storage, with built in spill containment. Suitable for all sizes and types of drum, the unit, which has a minimum sump capacity of 220 litre, addresses both Health and Safety and Environmental requirements.

Description	Dimension (L x W x H)	Material
Safety pallet for 2 drums	1.278 x 738 x 360 mm Volume approx.: 220 l	Metal
Safety pallet for 2 drums	1.205 x 805 x 440 Volume approx.: 250 l	Plastic

Accessory for 29144, castors and handle

Safety pallet for 2 IBC pallets

*Safety pallet for IBC and safety flooring in various sizes can be offered upon request*

Part No

29142



29142



29160

29144

29144



29144 + 29145



29160

## Drum Wrench

Fits the most common types of drum caps.

29250



## Drum Lift

Drum lift for upright oil drums. Simple to use, easy to apply. Approved for lifting up to 250 kg.

**Description**  
Drum Lift

21100



## Drum Lift

Drum lift for lifting horizontal drums. Particularly useful when storing drums in a drum store. Approved for lifting up to 250 kg.

**Description**  
Drum Lift

21108



## Hydraulic Drum Lift

Designed to handle drums on safety pallets and equipped with a pedal operated hydraulic lift. Lifting height over the floor 700 mm. Dimensions: width 900 mm, min height 1410 mm, max height 1915 mm.

**Description**  
Hydraulic Drum Lift

28665







## 12 Exhaust Equipment

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## Spring Operated Exhaust Reels

### Spring Operated Exhaust Reel for Max. 10 m Ø 150 mm Hose (6")

For mounting on the ceiling or on the wall. Connecting adapter Ø 160 mm for fan or central exhaust system included. Max. capacity 10 m Ø 150 mm hose. For selection of hose mounting kit, hose, nozzle, fan etc., see following pages.

**Description**

Exhaust reel without hose

Complete reels with hose (+200 °C). Just add a nozzle.

Description	Hose dimension	Length
Exhaust reel for Trucks	150 mm (6")	10 metres

Part No

84350

84580



### Spring Operated Exhaust Reel for Max. 10 m Ø 100 mm Hose (4")

For mounting on the ceiling or on the wall. Connecting adapter Ø 160 mm for fan or central exhaust system included. Max. capacity 10 m Ø 100 mm (4") hose. For selection of hose mounting kit, hose, nozzle, fan etc., see following pages.

**Description**

Exhaust reel without hose

Complete reels with hose (+200 °C). Just add a nozzle

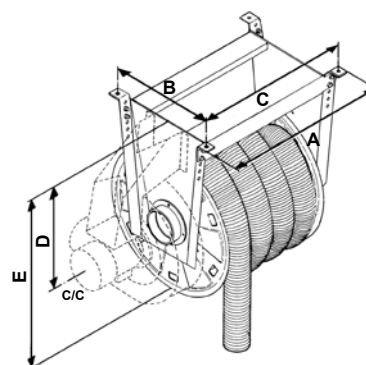
Description	Hose dimension	Length
Exhaust reel for Small Trucks/Cars	100 mm (4")	5 metres
Exhaust reel for Small Trucks/Cars	100 mm (4")	7,5 metres
Exhaust reel for Small Trucks/Cars	100 mm (4")	10 metres

84352

84584

84585

84586



84350	84352	84291
A 1030 mm	A 830 mm	A 630 mm
B 500 mm	B 500 mm	B 500 mm
C 974 mm	C 774 mm	C 574 mm
D 490 mm	D 490 mm	D 490 mm
E 790 mm	E 790 mm	E 790 mm

### Spring Operated Exhaust Reel for Max. 7,5 m Ø 100 mm Hose (4")

For mounting on the ceiling or on the wall. Connecting adapter Ø 160 mm for fan or central exhaust system included. Max. capacity 7,5 m Ø 100 mm (4") hose. For selection of hose mounting kit, hose, nozzle, fan etc., see following pages.

**Description**

Exhaust reel without hose

Complete reels with hose (+200 °C). Just add a nozzle.

Description	Hose dimension	Length
Exhaust reel for Small Trucks/Cars	100 mm (4")	7,5 metres

84291

84583

### Hose Mounting Kits for Exhaust Hose Reels

To connect the exhaust hose to the reel a mounting kit must be used.

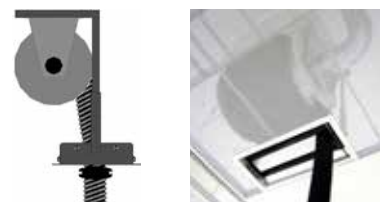
For hose diameter		Part No
Ø 75 mm (3")		88300
Ø 100 mm (4")		88301
Ø 125 mm (5")		88302
Ø 150 mm (6")		88303



### Hose guide through suspended ceilings for 84585 and 84586

Used for guiding the exhaust hose through suspended ceilings. Adjustable between ceiling and suspended ceiling from 840 mm to 1600 mm.

82004



## Electric Driven Exhaust Reels

### Electric Driven Exhaust Reel for Max. 10 m Ø 150 mm Hose (6")

For mounting on the ceiling or on the wall. Connecting adapter Ø 160 mm for fan or central exhaust system included. Max. hose capacity 10 m Ø 150 mm hose.

For selection of hose mounting kit, hose, nozzle, fan etc., see following pages. 1 phase 220-240 V, 50 Hz.

#### Description

Electric Exhaust reel without hose and control box.

Complete reels with hose (+200 °C). Just add a nozzle. Control box included. Delivered unassembled.

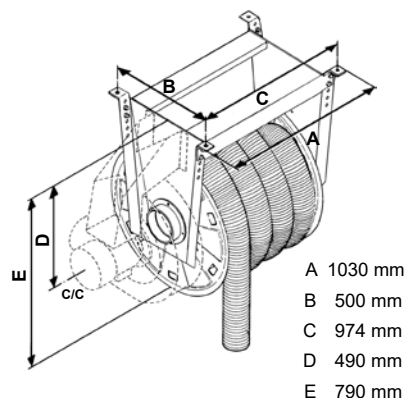
Description	Hose dim.	Length
Electric exhaust reel with hose for trucks	125 mm (5")	10 metres
Electric exhaust reel with hose for trucks	150 mm (6")	10 metres

Part No

83125



84590  
84591



### Electric Driven Exhaust Reel for Max. 10 m Ø 100 mm Hose (4")

For mounting on the ceiling or on the wall. Connecting adapter Ø 160 mm for fan or central exhaust system included. Max. hose capacity 10 m Ø 100 mm (4") hose.

For selection of hose mounting kit, hose, nozzle, fan etc., see following pages. 1 phase 220-240 V, 50 Hz.

#### Description

Electric Exhaust reel without hose and control box.

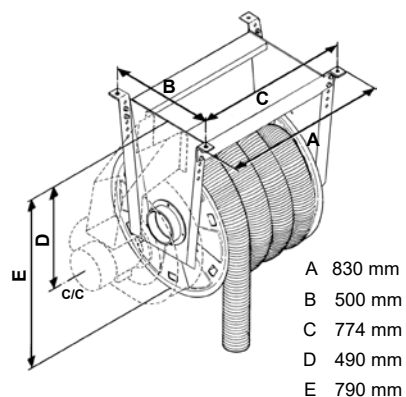
Complete reels with hose (+200 °C). Just add a nozzle. Control box included. Delivered unassembled.

Description	Hose dim.	Length
Electric exhaust reel with hose for cars	100 mm (4")	10 metres
Electric exhaust reel with hose for trucks	125 mm (5")	7,5 metres

83122



84592  
84593



### Control Box

For control of electric driven. Exhaust Hose Reels.



83005

### Hose Reel on Swinging Arm

The combination of a swinging suspension arm and a spring operated exhaust reel is a good solution when the reel needs to be moved between different work places.

**Length** 4,1 metres

88417

Note. Exhaust reel and nozzle must be ordered separately.



## Exhaust Hoses

### Hose Mounting Kits for Electric Hose Reels

To connect the exhaust hose to the reel.

For hose diameter	Ø 100 mm (4")
	Ø 125 mm (5")
	Ø 150 mm (6")

Part No

88305  
88306  
88307



### Exhaust Hoses

Hose diameter	Length	Standard			
		200 °C	300 °C	500 °C	650 °C*
Ø 150 mm (6")	2,5 m		<b>88459</b>	<b>88579</b>	<b>88479</b>
Ø 75 mm (3")	5 m	<b>88330</b>	<b>88445</b>		<b>88465</b>
Ø 100 mm (4")	5 m	<b>88340</b>	<b>88450</b>		<b>88470</b>
Ø 125 mm (5")	5 m	<b>88350</b>	<b>88455</b>	<b>88574</b>	<b>88475</b>
Ø 150 mm (6")	5 m	<b>88360</b>	<b>88460</b>	<b>88580</b>	<b>88480</b>
Ø 75 mm (3")	7,5 m	<b>88333</b>	<b>88446</b>		<b>88466</b>
Ø 100 mm (4")	7,5 m	<b>88343</b>	<b>88451</b>		<b>88471</b>
Ø 125 mm (5")	7,5 m	<b>88353</b>	<b>88456</b>	<b>88576</b>	<b>88476</b>
Ø 150 mm (6")	7,5 m	<b>88363</b>	<b>88461</b>	<b>88581</b>	<b>88481</b>
Ø 75 mm (3")	10 m	<b>88331</b>	<b>88447</b>		<b>88467</b>
Ø 100 mm (4")	10 m	<b>88341</b>	<b>88452</b>		<b>88472</b>
Ø 125 mm (5")	10 m	<b>88351</b>	<b>88457</b>	<b>88577</b>	<b>88477</b>
Ø 150 mm (6")	10 m	<b>88361</b>	<b>88462</b>	<b>88575</b>	<b>88482</b>
Ø 75 mm (3")	12,5 m	<b>88334</b>	<b>88448</b>		<b>88468</b>
Ø 100 mm (4")	12,5 m	<b>88344</b>	<b>88453</b>		<b>88473</b>
Ø 125 mm (5")	12,5 m	<b>88354</b>	<b>88458</b>	<b>88578</b>	<b>88478</b>
Ø 150 mm (6")	12,5 m	<b>88364</b>	<b>88463</b>	<b>88583</b>	<b>88483</b>

*Note! A mounting kit must be used to connect the hose to the reel (see above).  
Approx. 0,5 m of the total hose length will be used inside the reel.*

*\*Always with metal nozzle.*



**Air flow in exhaust hoses:**

Ø 75 mm	at air flow	< 270 m³/h
Ø 100 mm	at air flow	< 540 m³/h
Ø 125 mm	at air flow	< 810 m³/h
Ø 150 mm	at air flow	< 1080 m³/h

**Recommended air flow**

Cars = 360 m³/h
Trucks = 1.080 m³/h

### Exhaust Hose, Heavy Duty

The hose is crush proofed with nylon coil incl. one Y-adapter and two hose clamps (temp. resistant +200 °C).

Hose diameter	Length
Ø 75 mm (3")	2 x 2,5 m
Ø 100 mm (4")	2 x 2,5 m
Ø 125 mm (5")	2 x 2,5 m
Ø 150 mm (6")	2 x 2,5 m

88220  
88221  
88222  
88223



### Hose Connecting Kits

To connect hoses with the same diameter. The kit consists of a hose adapter and two hose clamps.

For hose diameter	Ø 75 mm (3")
	Ø 100 mm (4")
	Ø 125 mm (5")
	Ø 150 mm (6")

88485  
88486  
88487  
88488



### Safety Disconnect Coupling

The safety disconnect coupling is to protect your equipment from unexpected work place events, such as when a service technician forgets to remove the exhaust hose from the vehicle before moving it. The safety disconnect coupling will automatically separate to protect the vehicle and your exhaust system.

Description	Hose diameter		
Safety disconnect coupling	75 mm (3")	Mechanical	<b>88490</b>
Safety disconnect coupling	100 mm (4")	Mechanical	<b>88491</b>
Safety disconnect coupling	125 mm (5")	Mechanical	<b>88492</b>
Safety disconnect coupling	150 mm (6")	Mechanical	<b>88493</b>
Safety disconnect coupling	100 mm (4")	Magnetic	<b>88571</b>
Safety disconnect coupling	125 mm (5")	Magnetic	<b>88572</b>



### Fixed Exhaust Extractors

A fixed exhaust extractor is easily designed by selecting hose, nozzle, hose support, balancer and hose clamps. For suitable hoses and nozzles, see previous pages. Balancer, see below.

**A**  
Hose supports make it possible to hang the hose on a balancer.

Description	For hose diam.
Support	Ø 100 mm (4")
Support	Ø 150 mm (6")

**B**  
Hose clamps are used to fix the hose directly on to the ducting.

Description	For hose diam.
Hose clamp	Ø 75 mm (3")
Hose clamp	Ø 100 mm (4")
Hose clamp	Ø 125 mm (5")
Hose clamp	Ø 150 mm (6")

**For high temp hose**

Hose clamp	Ø 75 mm (3")
Hose clamp	Ø 100 mm (4")
Hose clamp	Ø 125 mm (5")
Hose clamp	Ø 150 mm (6")
Hose clamp	Ø 200 mm (8")

### Balancer

**C**  
This balancer supports loads within an area of 0-4,5 m and at an angle of max 30° from the plumb line. Some of the balancers is equipped with a locking device which locks the extension wire in the extended position. The locking device disengages when the wire is pulled out approx. 0,2 m and then released. Delivered complete with safety chain and spring safety hooks.

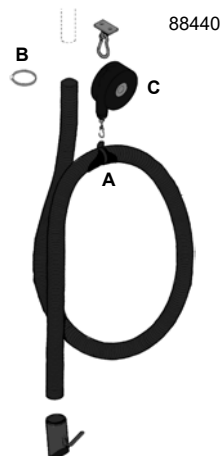
Description	Wire length.	Load	
Balancer with locking device	3 m	7-14 kg	88440
Balancer with locking device on/off	4,5 m	7-16 kg	84435
Balancer without locking device	3 m	7-14 kg	84437
Balancer without locking device	3,5 m	5-14 kg	84438
Switch for fan control, can be mounted on 84435			84436

Part No

88441  
88442

72101045  
72101011  
72101063  
72101021

88590  
88591  
88592  
88593  
88594



Nozzle see page 141.

### Complete Exhaust Extraction Kits

Consisting of a fan, 5 m standard hose and balancer. Just add the required nozzle.

Description	Hose dim.	Fan	
Kit for Car	75 mm (3")	0,55 kW - 1.800 m³/h	84440
Kit for Car	100 mm (4")	0,55 kW - 1.800 m³/h	84441
Kit for Trucks	125 mm (5")	0,55 kW - 1.800 m³/h	84442
Kit for Trucks	150 mm (6")	0,55 kW - 1.800 m³/h	84443

**Note!** Exhaust Nozzle must be ordered separately.



### Exhaust Drop on Swinging Arm

Description	Exhaust hose	Length Arm	
Swing arm	Ø 150 mm / 5 m	4,5 m	84420
Swing arm	Ø 150 mm / 5 m	6 m	84421
Swing arm	Ø 150 mm / 5 m	8 m	84422

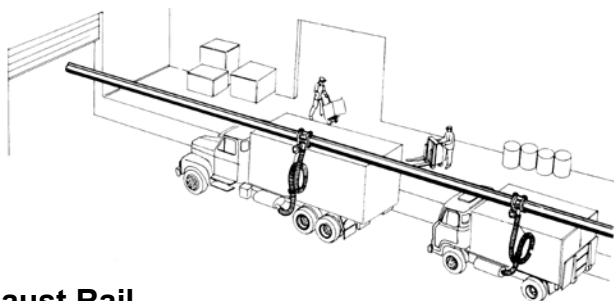
**Note!** Exhaust Nozzle and Fan must be ordered separately.



## Exhaust Rails

### Straight Exhaust Rails

Straight rails solve the exhaust emission problem with vehicles being driven along a straight section indoors. The system comprises of exhaust hoses mounted on moving connectors which run along a suction rail fitted to the ceiling. The moving trolleys can be supplied for internal or external travel, with or without automatic uncoupling of the nozzle.



### Exhaust Rail

With wall brackets, connectors, rubber seal, end cover and trolley stop. Nozzles not included (order separately). We recommend nozzles with wise grip.

<b>Length</b>	14,6 m
	17,4 m
	20,4 m
	23,2 m
	26,2 m
	29,0 m
	34,8 m

Standard mounting tool for rubber lip.

Part No

84530  
84531  
84532  
84533  
84534  
84535  
84536

84225



### Internal Exhaust Trolley for Nozzle with Wise Grip

With balancer och hose hanger, without hose (order separately). Can be used for vehicle in motion.

#### Description

Internal exhaust trolley Ø 100 mm / 4".

Internal exhaust trolley Ø 150 mm / 6".

Internal exhaust trolley Ø 100 mm / 4", without balance.

**Note! Hose and nozzle order separately!**

84211  
84212  
84213



### External Exhaust Trolley for Nozzle with Wise Grip

With balancer och hose hanger, without hose (order separately). Can be used for vehicle in motion.

#### Description

External exhaust trolley Ø 100 mm / 4".

External exhaust trolley Ø 150 mm / 6".

**Note! Hose and nozzle order separately!**

84215  
84216



### Rubber Nozzles. General Information







A rubber nozzle is used to connect the exhaust hose with the exhaust system of the vehicle. The nozzle is designed to take in cooling air, thereby reducing the exhaust fume temperature and resistance in the exhaust system and guaranteeing the accuracy of exhaust readings.

These nozzles are highly suitable for use with fixed extractors, exhaust reels and straight rails (clamp fixing essential).

#### Specifications

The rubber nozzle is composed of moulded, high temperature resistant rubber. The nozzle is provided with an opening (which can be sealed with a rubber plug) suitable for insertion of an exhaust probe, diameter Ø 20 mm. The nozzle is designed for today's lorries, private cars and especially vehicles with twin exhaust pipes. The nozzle is attached to the exhaust hose via an angled pipe so as to facilitate connection to the exhaust pipe of the vehicle.

Temperature resistance: -40 °C to + 220 °C

Rubber Nozzle			Part No	
<b>Description</b>	<b>Hose diameter</b>	<b>Oval nozzle opening</b>		
Rubber nozzle	Ø 100 mm	Ø 140 - 25 mm	<b>88560</b>	
Rubber nozzle	Ø 100 mm	Ø 180 - 30 mm	<b>88561</b>	
Rubber nozzle	Ø 100 mm	Ø 200 - 50 mm	<b>88562</b>	
Rubber nozzle	Ø 125 mm	Ø 200 - 50 mm	<b>88563</b>	
Rubber nozzle	Ø 150 mm	Ø 200 - 50 mm	<b>88564</b>	
<b>Rubber Nozzle with Probe Opening and Clamp Fixing</b>				
<b>Description</b>	<b>Hose diameter</b>	<b>Oval nozzle opening</b>		
Rubber nozzle	Ø 75 mm	155 x 90 (Ø 115 mm)	<b>88320</b>	
Rubber nozzle	Ø 100 mm	155 x 90 (Ø 115 mm)	<b>88324</b>	
Rubber nozzle	Ø 100 mm	210 x 115 (Ø 160 mm)	<b>88321</b>	
Rubber nozzle	Ø 125 mm	210 x 115 (Ø 160 mm)	<b>88322</b>	
Rubber nozzle	Ø 150 mm	210 x 115 (Ø 160 mm)	<b>88323</b>	
<b>Rubber Nozzle with Probe Opening and Damper</b>				
<b>Description</b>	<b>Hose diameter</b>	<b>Oval nozzle opening</b>		
Rubber nozzle	Ø 75 mm	155 x 90 (Ø 115 mm)	<b>88315</b>	
Rubber nozzle	Ø 100 mm	155 x 90 (Ø 115 mm)	<b>88316</b>	
Rubber nozzle	Ø 100 mm	210 x 115 (Ø 160 mm)	<b>88317</b>	
Rubber nozzle	Ø 125 mm	210 x 115 (Ø 160 mm)	<b>88318</b>	
Rubber nozzle	Ø 150 mm	210 x 115 (Ø 160 mm)	<b>88319</b>	
<b>Rubber Nozzle with Probe Opening, Damper and Clamp Fixing</b>				
<b>Description</b>	<b>Hose diameter</b>	<b>Nozzle opening</b>		
Rubber nozzle	Ø 75 mm	155 x 90 (Ø 115 mm)	<b>88325</b>	
Rubber nozzle	Ø 100 mm	155 x 90 (Ø 115 mm)	<b>88326</b>	
Rubber nozzle	Ø 100 mm	210 x 115 (Ø 160 mm)	<b>88327</b>	
Rubber nozzle	Ø 125 mm	210 x 115 (Ø 160 mm)	<b>88328</b>	
Rubber nozzle	Ø 150 mm	210 x 115 (Ø 160 mm)	<b>88329</b>	
<b>Rubber Nozzle with Probe Opening, Spring Fixing</b>				
<b>Description</b>	<b>Hose diameter</b>	<b>Nozzle opening</b>		
Rubber nozzle	Ø 75 mm	155 x 90 (Ø 115 mm)	<b>88520</b>	
Rubber nozzle	Ø 100 mm	155 x 90 (Ø 115 mm)	<b>88521</b>	
Rubber nozzle	Ø 100 mm	210 x 115 (Ø 160 mm)	<b>88522</b>	
Rubber nozzle	Ø 125 mm	210 x 115 (Ø 160 mm)	<b>88523</b>	
Rubber nozzle	Ø 150 mm	210 x 115 (Ø 160 mm)	<b>88524</b>	
<b>Metal Nozzle with Rubber Lid</b>				
<b>Description</b>	<b>Hose diameter</b>	<b>Nozzle opening</b>		
Metal nozzle	Ø 75 mm	Ø 100 mm	<b>88310</b>	
Metal nozzle	Ø 100 mm	Ø 100 mm	<b>88311</b>	
Metal nozzle	Ø 125 mm	Ø 125 mm	<b>88312</b>	
Metal nozzle	Ø 125 mm	Ø 150 mm	<b>88313</b>	
Metal nozzle	Ø 150 mm	Ø 150 mm	<b>88314</b>	

## Starter, Control Units

### Stacker Nozzle for Vertical Exhaust Pipes

Description	For Exhaust hose	Opening	Part No
Nozzle for vertical exhaust	Ø 125 mm/5"	Ø 200 mm / 8"	88396
Nozzle for vertical exhaust	Ø 150 mm/6"	Ø 250 mm / 10"	88397
Nozzle for exhaust, giraffe	Ø 150 mm/6"	Ø 250 mm / 10"	88569

Telescopic handle for Stacker nozzles.

Spring clip for Stacker nozzles.



Part No

88396

88397

88569

88398

88399

### Exhaust Nozzle for Hidden Exhaust Pipes

Description	For Exhaust hose	Opening	Part No
Exhaust nozzle, with a hand pump	Ø 150 mm / 6"	Ø 90-160 mm	88555
Exhaust nozzle, for compressed air	Ø 150 mm / 6"	Ø 90-160 mm	88556
Exhaust nozzle, universal	Ø 100 mm / 4"	Ø 35-70 mm	88565

88555

88565



### Exhaust Funnel

For simple, fast and accurate exhaust fume readings. The adjustable exhaust funnel is placed behind the vehicle exhaust pipe in order to capture and remove exhaust fumes. The exhaust fume readings are entirely resistance free and cooling air reduces the temperature. To be used with Ø 150 mm hoses and nozzles.

Description	Opening facing exhaust pipe	Part No
Exhaust funnel	200 x 230 mm	88395

88395



### Exhaust Funnel for Heavy Machinery

Exhaust funnel for heavy machinery, tractors and similar where the exhaust is very big and pointing upwards. Can also be used as an adapter for an existing exhaust nozzle. Exhaust pipe maximum diameter Ø400 mm, connection for exhaust hose or nozzle Ø145 mm.

Description	Exhaust pipe max Ø	Part No
Exhaust funnel	Ø400 mm	88568

88568

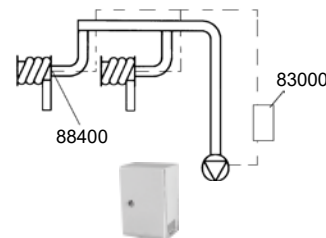


### Starter

For automatic start and stop of the fan when one or two exhaust reels are installed. Used together with a micro switch (88400). Comes complete with built-in contactor and transformer. Can supply power to damper (84312). It must be fitted with relevant motor overload protector (not included), see next page.

Description	Power supply	Part No
Starter	3~ 230 / 400 V	83000

83000

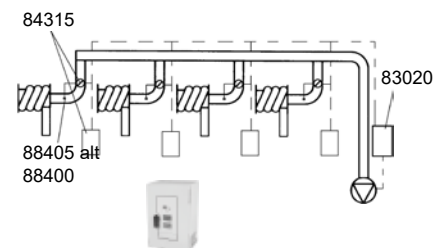


### Control Box

Fully automatic control box for operation of the fan. The fan can be controlled manually or by using the pressure sensor (88405). It can also be combined with automatic damper (84315). Adjustable over run period of 7 sec. to 6 min. Built-in contactor must be equipped with suitable overload protector (not included), see below.

Description	Power supply	Part No
Control box	3~ 230 / 400 V	83020

83020



### Motor Overload Protector

The rating of the protector depends on which fan is used. For installation in resp. control boxes.

Description	Part No
Overload, 0,9 - 1,3 A	88421
Overload, 1,4 - 2,0 A	88422
Overload, 2,3 - 3,2 A	88423
Overload, 4,5 - 6,3 A	88424
Overload, 7,2 - 10 A	88425

88421

88422

88423

88424

88425





# Damper, Sensor, Micro Switch, Overload

## Frequency Inverter

The DCV-Controller will operate your process ventilation by monitoring the air pressure of your system. The DCV-Controller will only run the fans to meet the demand of your production and do it automatically.

**Description**

DCV Controller 1,1 KW, PID regulator, EMC-filter, 380-460 V  
 DCV Controller 2,2 KW, PID regulator, EMC-filter, 380-460 V  
 DCV Controller 4,0 KW, PID regulator, EMC-filter, 380-460 V  
 DCV Controller 7,5 KW, PID regulator, EMC-filter, 380-460 V

Pressure sensor (0-2500 Pa).

Part No

84370  
 84371  
 84372  
 84374

83015

84370



83015



## Fan Starter with Push-button

To be used when no automatic start or controll units are used. Mounted in a plastic-encased box.

**Description**

Motorstarter IP55 w. overload 1,0 - 1,6 A 230 - 690 V AC  
 Motorstarter IP55 w. overload 1,6 - 2,5 A 230 - 690 V AC  
 Motorstarter IP55 w. overload 2,5 - 4,0 A 230 - 690 V AC  
 Motorstarter IP55 w. overload 4,0 - 6,3 A 230 - 690 V AC  
 Motorstarter IP55 w. overload 6,3 - 10,0 A 230 - 690 V AC  
 Motorstarter IP55 w. overload 10,0 - 16,0 A 230 - 690 V AC

84245  
 84246  
 84247  
 84248  
 84249  
 84250

84245



## Start/stop with indicator for exhaust fan

For controlling automatic dampers and/or fans for exhaust reels or extraction arms. Use together with starter (83000) and automatic damper (84312). The indicator light can be wired to indicate when the damper is open and fan is on. 2x NO contacts.

**Description**                      **Power supply**  
 Start/stop switch                      24 V AC/DC

88408



## Automatic Damper

Fully automatic, motorized damper, Ø 160 mm. Should be supplemented with a switch assembly (88400).

**Description**                      **Power supply**  
 Automatic damper                      24 V AC

84312



## Transformer

Transformer for halogen lamp cartridge (84725), 230 V/24 V, 80 W.

**Description**                      **Power supply**  
 Transformer                      230 V/24 V AC, 80 W

88431



## Micro Switch

Used for control of damper and fan in spring operated exhaust reels. This device can be used with starter (83000) or automatic damper (84315) and control unit (83020).

**Description**  
 Micro switch

88400



## Extraction Arms

### Extraction Arms. 1,5 , 2 and 3 m

Ball-bearing jointed extraction arms for dust, welding fumes, soldering, fumes, oil mist, fumes from solvents etc. Delivered complete with wall mounting bracket and a Ø160 mm spigot for connection to a central duct work system. The detachable hood with manual damper and safety mesh can be angled 110° forwards, backwards and to the sides. A LED-lamp can be fitted in the hood.

#### Description

Extraction 1,5 m  
Extraction 2 m  
Extraction 3 m

#### Part No

84700  
84701  
84702

84700



### Ceiling Bracket for Extraction Arm

For ceiling mounting of an extraction arm.

#### Description

Ceiling bracket  
Ceiling bracket

#### Length

0,5 m  
1,0 m

84720  
84721

84720



### Bodywork Extraction Arm

Bodywork extraction arm for effective evacuation of welding fume, grinding dust and vapours when performing vehicle bodywork. Easy to manoeuvre with 360° movability and high positional stability. Ø 125 mm ventilation tube.

#### Description

Bodywork extraction arm 5 m with wall bracket  
Bodywork extraction arm 5 m with ceiling bracket

84710  
84711

84711



### Extraction Arm with Extension Swing Arm

Extraction arm with extension swing arm, wall bracket, hose and Ø 160 mm ventilation tube.

#### Description

Extraction arm with extension swing arm  
Extraction arm with extension swing arm  
Extraction arm with extension swing arm  
Extraction arm with extension swing arm  
Extraction arm with extension swing arm

#### Length

4 m  
5 m  
7 m  
9 m  
11 m

84703  
84704  
84705  
84706  
84707

84704



### Lighting and Switch

Lighting for extraction arm, LED-lamp 24V.

#### Description

Complete LED-lighting with on/off switch for fan  
Complete LED-lighting  
On/off switch for fan  
Relay box 24 V AC, to be used together with electrical damper and light

84725  
84726  
84727  
83023

84725



### Accessories for Extraction Arms

#### Description

Glazier hood for extraction arm  
3,5 m extension hose for extraction arms with magnetic bracket

84730  
84731

84730

84731



### Extraction Arms. 2, 3 and 4 m

Ball-bearing jointed extraction arms for dust, welding fumes, soldering fumes, oil mist, fumes from solvents etc. Delivered complete with wall mounting bracket on which the fan may be directly fitted. A Ø160 mm spigot for connection to a central duct work system is also provided. The detachable hood with manual damper and safety mesh can be angled 110° forwards, backwards and to the sides. A 20 W / 24 V halogen lamp cartridge (88430) can be fitted in the hood.

#### Description

Extraction arm 2 m  
 Extraction arm 3 m  
 Extraction arm 4 m  
 Manual damper with rubber seal

#### Part No

84400  
 84402  
 84405  
 84615



### Extention Swing Arm

Arm with wall bracket, hose and Ø 160 mm ventilation tube and channel including connection to extraction arms. Extraction arm not included.

#### Description

Extension arm  
 Extension arm  
 Extension arm

#### Length

1,5 m  
 2,5 m  
 4,5 m

84416  
 84414  
 84415



### Halogen Lamp Cartridge

To be fitted in the hood. Consists of 20 W / 24 V halogen lamp, switch assembly and 10 m cable.

#### Description

Halogen lamp cartridge with switch  
 Switch without lamp  
 Relay box 24 V AC, to be used together with electrical damper and light

88430  
 88433  
 83023



## Fans

### Mobile Mechanical Filter

1 phase 0,75 kW 220-240V 50Hz. Delivered with a 5 m cable.  
Filter up to 98% of the pollution.

#### Description

Mobile mechanical filter with extraction arm  
Mobile mechanical filter with extraction arm  
Cartridge filter cassette (spare part)  
Carbon fiber cassette (spare part)

#### Length

2 m  
3 m

#### Part No

84620  
84621  
84623  
84624

84620



### Fans for Exhaust and Fumes

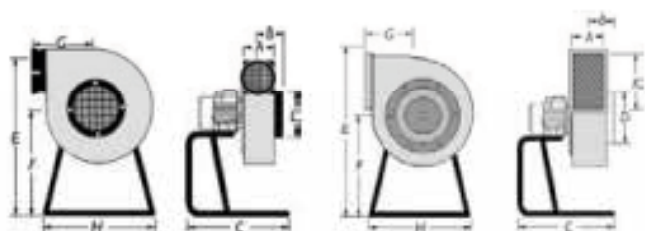
Delivered with tubular support (84320-84330). Models 84320-84325 can be mounted directly to exhaust hose reels with the aid of a mounting kit (88410), see below.

### Rough Recommendations

Beside each respective fan you can see our rough recommendations for the fan.

Descript.	Free flow capacity	Power supply	Rated current	Output	
Fan	1.800 m <sup>3</sup> /h	3~ 230/400 V, 50 Hz	1,4-1,5 A	0,55 kW	<b>84323</b>
Fan	2.160 m <sup>3</sup> /h	3~ 230/400 V, 50 Hz	1,9-2,0 A	0,75 kW	<b>84325</b>
Fan	2.160 m <sup>3</sup> /h	230 V, 50 Hz	5,0 A	0,75 kW	<b>84465</b>
Fan	3.000 m <sup>3</sup> /h	3~ 230/400 V, 50 Hz	2,5-2,7 A	1,1 kW	<b>84330</b>

Vehicle	Max no.	Hose Dim	Hose length
PV	< 3	100 mm	7,5 m
LV	1	150 mm	10 m
PV	< 4	100 mm	7,5 m
LV	1	150 mm	12,5 m
PV	< 4	100 mm	7,5 m
LV	1	150 mm	12,5 m
PV	< 5	100 mm	10 m
LV	< 2	150 mm	10 m



### Dimensions in mm

A	B	C	D	E	F	G	H	K	Weight	
Ø 160	95	430	Ø 160	650	415	245	445	-	16,4 kg	84323
Ø 160	95	430	Ø 160	660	425	245	445	-	19,4 kg	84325
Ø 142	110	450	Ø 250	740	410	230	445	215	24,0 kg	84330

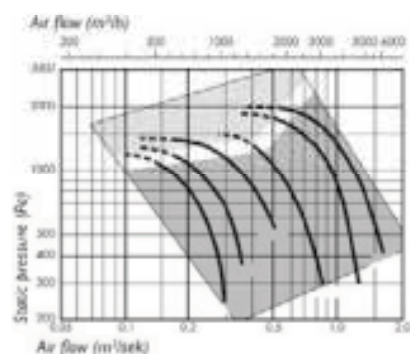
### Air Flow in Exhaust Hoses:

Ø 75 mm	at air flow	< 270 m <sup>3</sup> /h
Ø 100 mm	at air flow	< 540 m <sup>3</sup> /h
Ø 125 mm	at air flow	< 810 m <sup>3</sup> /h
Ø 150 mm	at air flow	< 1.080 m <sup>3</sup> /h

### Recommended Air Flow

Cars = 360 m<sup>3</sup>/h  
Trucks = 1080 m<sup>3</sup>/h

### Pressure Drop Chart



■ Recommended working range  
□ Critical working range  
□ Fans unsuitable

The universal support offers numerous mounting options.

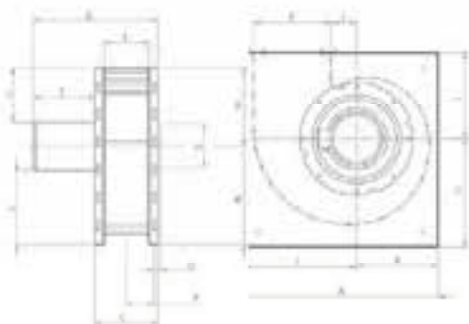


### Fans

A series of robust fans, generally designed for extended systems of exhaust hose reels, straight rails and fume extractors. Can also be used for general ventilation and similar tasks.

Stand, fan housing are made in steel and fan wheels are made of aluminium. Suitable to be used with frequency converter.

Free flow capacity	Power supply	Rated current	Output
2.500 m³/h	3~ 220/380 V	1,7 Amp (400V)	0,75 kW
5.500 m³/h	3~ 220/380 V	4,6 Amp (400V)	2,2 kW
7.500 m³/h	3~ 220/380 V	7,7 Amp (400V)	4,0 kW
12.000 m³/h	3~ 220/380 V	8,05 Amp (400V)	7,5 kW



### Measures

A	B	C	D	E	F	G	H	I	J	K	Weight
640	640	230	160	160	254	453	355	288	373	267	31 kg
785	785	270	200	200	322	535	444	341	475	310	51 kg
980	980	290	250	220	402	695	603	377	583	397	78 kg
1100	1100	320	320	250	448	805	621	479	653	447	137 kg

Part No



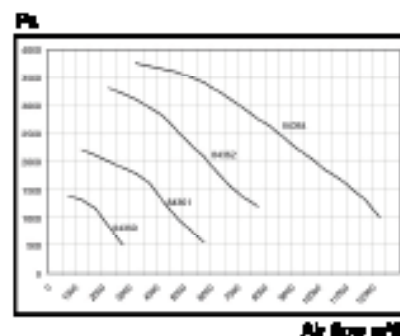
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84361

84362

84364

Pressure Drop Chart



84360

84361

84362

84364

### Fan Mounting Kit

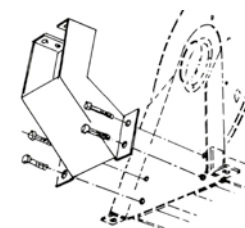
For mounting of fans 84320-84325 directly on exhaust reels. Consists of bracket, rubber ring and fan socket.

**Note! The standard tubular support should be removed.**

#### Description

Fan mounting kit

88410



### Fan Accessories

#### Description

Outlet from rectangular to round Ø 250 mm  
 Outlet from rectangular to round Ø 250 mm  
 Outlet from rectangular to round Ø 315 mm  
 Outlet from rectangular to round Ø 400 mm  
 Outlet from rectangular to round Ø 500 mm

#### For Fan

84330  
 84360  
 84361  
 84362  
 84364

Soft connection for noise and vibration free connection Ø 160 mm  
 Soft connection for noise and vibration free connection Ø 200 mm  
 Soft connection for noise and vibration free connection Ø 250 mm  
 Soft connection for noise and vibration free connection Ø 315 mm  
 Soft connection for noise and vibration free connection Ø 400 mm  
 Soft connection for noise and vibration free connection Ø 500 mm

Anti-vibration dampers to isolate noise and vibration 84360, 84361  
 Anti-vibration dampers to isolate noise and vibration 84362-84364

88401

84380

84381

84382

84383

84384

84385

84386

84387

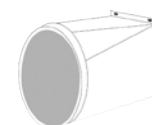
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84380



84384



85390



**Notes:**

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## 13 Installation Equipment

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## Installation Components, Oil

### Pipe Diameters for Different Pipe Lengths (EN10305-4)

Tube Length	Diameter
0 - 50 m	Ø 22 x 1,5 mm
0 - 150 m	Ø 28 x 2 mm
0 - 300 m	Ø 35 x 3 mm

### E-Coated Steel Tubes for Oil

Part No	Description	Dimension, Ø x wall thickness
90101120	22x1,5FZ	E-Coated Steel tube Ø 22 x 1,5 mm, pipe length 6 m
90101162	28x2FZ	E-Coated Steel tube Ø 28 x 2 mm, pipe length 6 m
90101192	35x3FZ	E-Coated Steel tube Ø 35 x 3 mm, pipe length 6 m

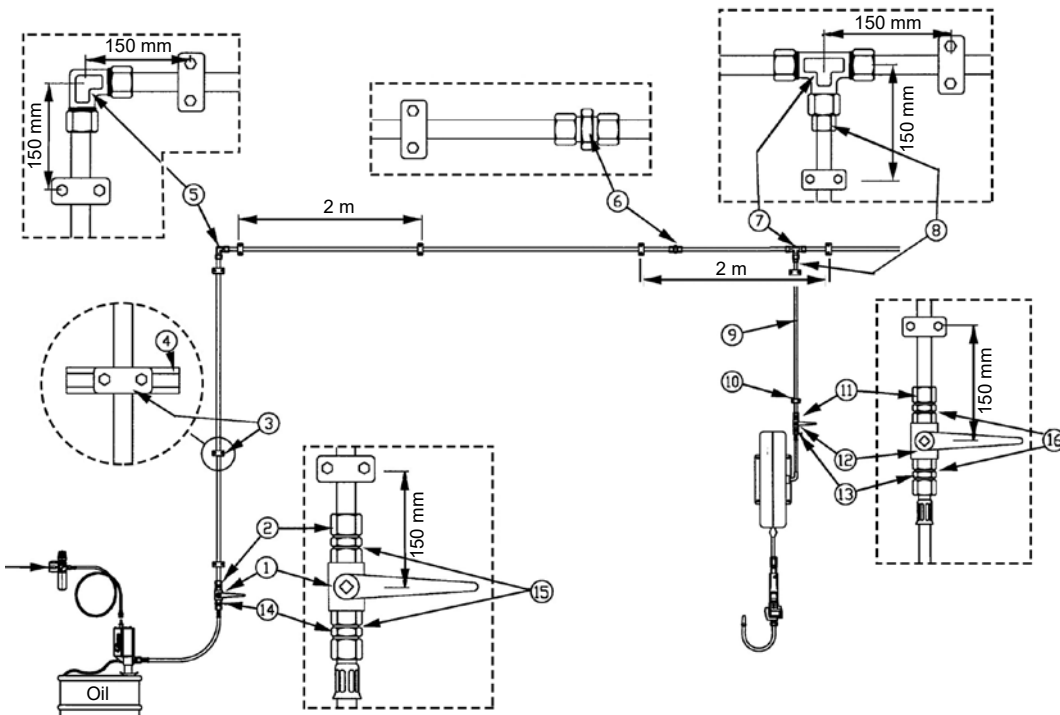
### Installation Components

Item Nos refer to the drawing below

Item	Description	Pipe diameter	Pipe diameter	Pipe diameter
		Ø 22 x 1,5 mm	Ø 28 x 2 mm	Ø 35 x 3 mm
1	Shut-off valve	30101111	30101081	30101087
2	Male connector	10103724	10103292	10103325
3	Pipe clamp	70101249	70101273	70101297
4	Bracket for clamp	70501423	70501423	70501423
	(Length= 2 m)	(Length= 2 m)	(Length= 2 m)	
5	Angle connector	10106490	10106496	10106502
6	Union connector	10103070	10103079	10103088
7	Tee connector	10106367	10106373	10106379
8	Reducer	-	-	10101564
9	Pipe	90101120	90101162	90101192
	(L= 6 m)	(L= 6 m)	(L= 6 m)	
10	Pipe clamp	70101249	70101273	70101249
11	Male connector	10103724	10103295	10103325
12	Shut-off valve	30101111	30101081	30101111
13	Adapter	25102053	25102065	25102053
14	Adapter	25102008	10105962	25102071
15	Rubber/Steel washer	10103544	10103517	10103523
16	Rubber/Steel washer	10103544	10103517	10103544

#### Installation Kits

Pump installation kit	99400	99401	99402	Parts included: Item 1, 2, 14, 2 pcs 15.
Pipe kit	99403	99404	99405	Parts included: Item 4, 6, 9, 4 pcs 3.
Reel installation kit	99406	99407	-	Parts included: Item 11,12, 13, 2pcs 16.





## Installation Components, Grease

### Pipe Diameters for Different Pipe Lengths (EN10305-4)

Tube Length	Diameter
0 - 20 m	Ø 20 x 3 mm
0 - 35 m	Ø 25 x 3 mm
0 - 60 m	Ø 38 x 4 mm

### E-Coated Steel Tubes for Grease

Part No	Description	Dimension, Ø x wall thickness
73202	E-Coated Steel tube	Ø 20 x 3 mm, pipe length 6 m
73252	E-Coated Steel tube	Ø 25 x 3 mm, pipe length 6 m
73383	E-Coated Steel tube	Ø 38 x 4 mm, pipe length 6 m

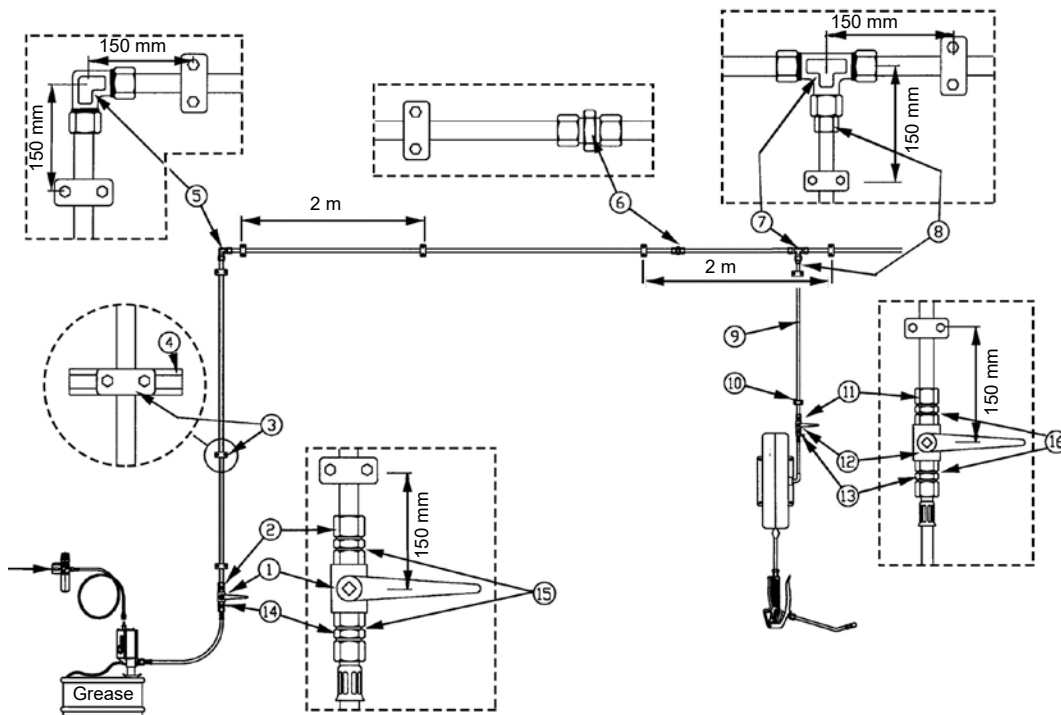
### Installation Components

Item Nos refer to the drawing below.

Item	Description	Pipe diameter	Pipe diameter	Pipe diameter
		Ø 20 x 3 mm	Ø 25 x 3 mm	Ø 38 x 4 mm
1	Shut-off valve	30201345	30201345	30201345
2	Male connector	10103250	10103280	10103337
3	Pipe clamp	70101237	70101261	70101303
4	Bracket for clamp	70501423	70501423	70501423
		(Length=2 m)	(Length= 2 m)	(Length= 2 m)
5	Angle connector	10106484	10106493	10106505
6	Union connector	10103064	10103073	10103091
7	Tee connector	10106364	10106370	10106382
8	Reducer	-	10101498	10101588
9	Pipe	73202 (L= 6 m)	73252 (L=6 m)	73383 (L=6 m)
10	Pipe clamp	70101237	70101261	70101303
11	Male connector	10103250	10103280	10103337
12	Shut-off valve	30201345	30201345	30201345
13	Adapter	25102047	25102047	25102047
			+25102038	+25102047
			+25101871	+70091220
14	Adapter	25102047	25102047	70091220
			+25101871	+25102047
15	Rubber/steel washer	10103544	10103517	10103523
			+10103544	+10103544
16	Rubber/steel washer	10103544	10103544	10103544
			+10103517	+10103523

#### Installation Kits

Pump installation kit	99417	99418	99419	Parts included: Item 1, 2, 14, 2pcs 15.
Pipe kit	99420	99421	99422	Parts included: Item 4, 6, 9, 4pcs 3.
Reel installation kit	99423	99424	99425	Parts included: Item 11,12, 13, 2pcs 16.



## Installation Components, Water Based Fluids

### Pipe Diameters for Different Pipe Lengths

Tube Length	Diameter
0 - 50 m	Ø 15 x 1,5 mm
0 - 300 m	Ø 22 x 1,5 mm

### Stainless Steel Tubes for Water, Glycol etc

Part No	Description	Dimensions
90201015	Welded Stainless Steel (EN1.4301/TP304)	Ø 15 x 1,5 mm, pipe length 6 m
90201030	Welded Stainless Steel (EN1.4301/TP304)	Ø 22 x 1,5 mm, pipe length 6 m

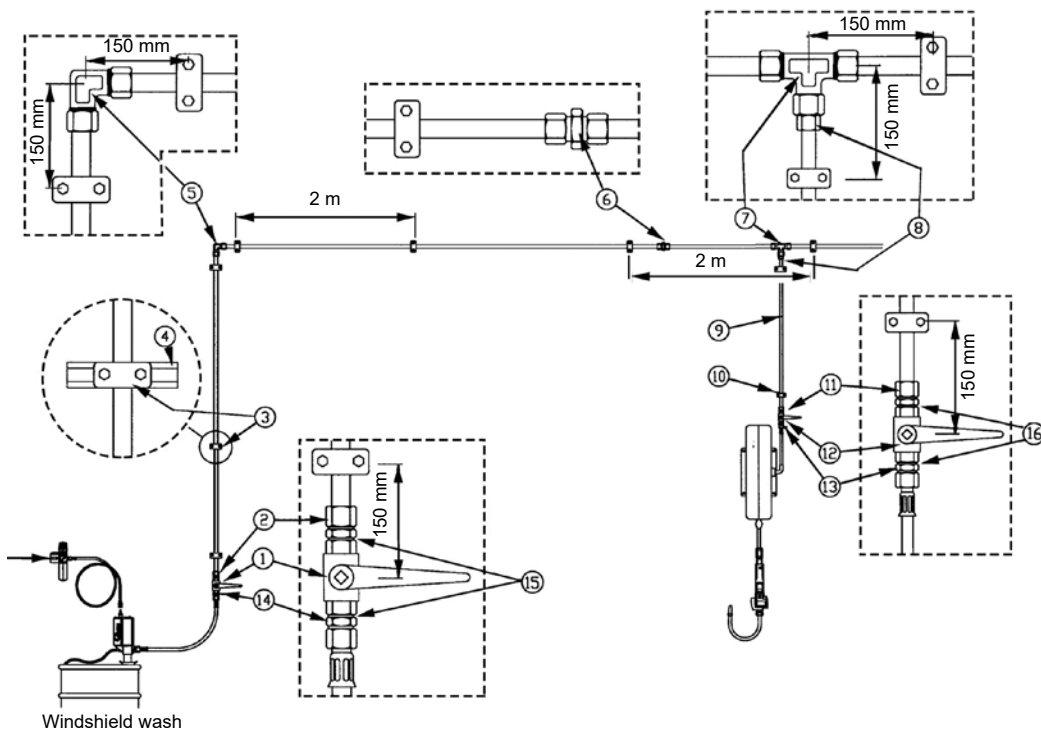
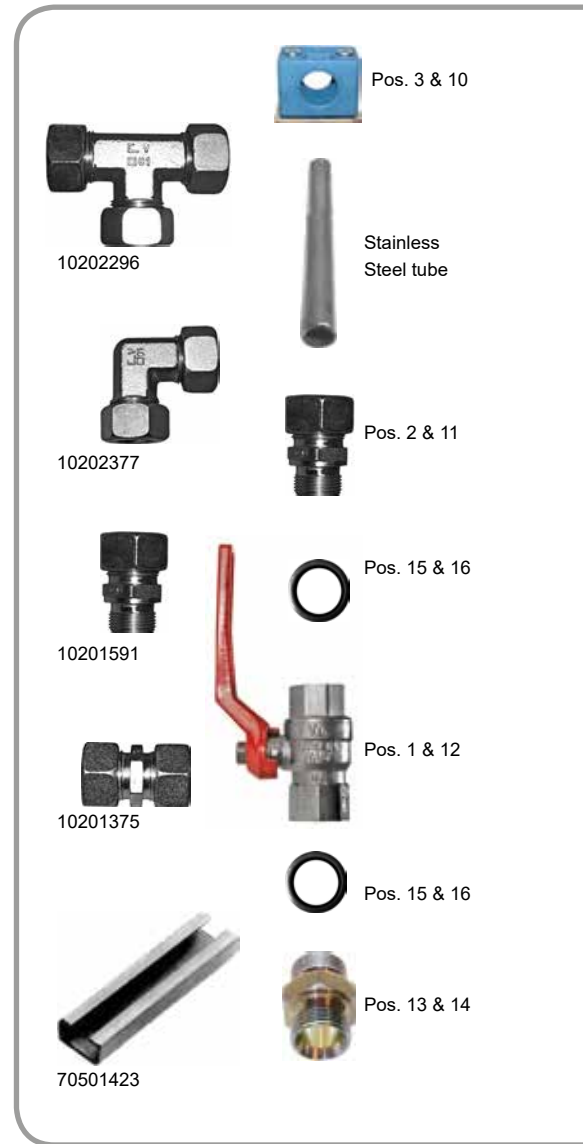
### Installation Components

Item Nos refer to the drawing below

Item	Description	Pipe diameter Ø 15 x 1,5 mm	Pipe diameter Ø 22 x 1,5 mm
1	Shut-off valve	30101093	30101111
2	Male connector	10201441	10201459
3	Pipe clamp	70101207	70101249
4	Bracket for clamp	70501423 (Length= 2 m)	70501423 (Length= 2 m)
5	Angle connector	10202365	10202377
6	Union connector	10201363	10201375
7	Tee connector	10202275	10202296
8	Reducer	-	-
9	Pipe	90201015 (Length= 6 m)	90201030 (Length= 6 m)
10	Pipe clamp	70101207	70101249
11	Male connector	10201441	10201459
12	Shut-off valve	30101093	30101111
13	Adapter	78020808	25101294 +25201192
14	Adapter	78020808	25201294 +25201192
15	Rubber/Steel washer	10103526	10103544
16	Rubber/Steel washer	10103526	10103544

#### Installation Kits

Pump installation kit	99408	99409 Parts included: Item 1, 2, 14, 2pcs 15.
Pipe kit	99410	99411 Parts included: Item 4, 6, 9, 4pcs 3.
Reel installation kit	99412	99413 Parts included: Item 11, 12, 13, 2pcs 16.



### Rubber/Steel Washer

Description	Description
GBR 1/8"	Rubber/steel washer
GBR 1/4"	Rubber/steel washer
GBR 3/8"	Rubber/steel washer
GBR 1/2"	Rubber/steel washer
GBR 3/4"	Rubber/steel washer
GBR 1"	Rubber/steel washer
GBR 1 - 1/4"	Rubber/steel washer
GBR 1 - 1/2"	Rubber/steel washer
GBR 2"	Rubber/steel washer

### Adapters in Steel

Description	Thread male-male	Max. pressure
Adapter	G1/8" - G1/8"	64 MPa (640 bar)
Adapter	G1/8" - G1/4"	64 MPa (640 bar)
Adapter	G1/4" - G1/4"	64 MPa (640 bar)
Adapter	G3/8" - G1/4"	64 MPa (640 bar)
Adapter	G3/8" - G3/8"	64 MPa (640 bar)
Adapter	G1/2" - G1/4"	64 MPa (640 bar)
Adapter	G1/2" - G3/8"	64 MPa (640 bar)
Adapter	G1/2" - G1/2"	64 MPa (640 bar)
Adapter	G3/4" - G1/4"	64 MPa (640 bar)
Adapter	G3/4" - G3/8"	64 MPa (640 bar)
Adapter	G3/4" - G1/2"	64 MPa (640 bar)
Adapter	G3/4" - G3/4"	64 MPa (640 bar)
Adapter	G1" - G1/2"	40 MPa (400 bar)
Adapter	G1" - G3/4"	40 MPa (400 bar)
Adapter	G1" - G1"	40 MPa (400 bar)
Adapter	G1 1/4" - G3/4"	40 MPa (400 bar)
Adapter	G1 1/4" - G1"	40 MPa (400 bar)
Adapter	G1 1/4"-G1 1/2"	40 MPa (400 bar)
Adapter	G1 1/2" - G1"	40 MPa (400 bar)
Adapter	G1 1/2" - G2"	40 MPa (400 bar)

### Bulkhead fitting in Steel

Description	Thread (male-male)	Max. pressure
Bulkhead Fitting	G1/4" - G1/4"	64 MPa (640 bar)
Bulkhead Fitting	G3/8" - G3/8"	64 MPa (640 bar)
Bulkhead Fitting	G1/2" - G1/2"	64 MPa (640 bar)
Bulkhead Fitting	G3/4" - G3/4"	64 MPa (640 bar)
Bulkhead Fitting	G1" - G1"	64 MPa (640 bar)
Bulkhead Fitting	G1 1/4" - G1 1/4"	64 MPa (640 bar)

### Bushings, in Steel

Description	Thread (male-female)	Max. pressure
Bushing	G1/4" - G1/8"	40 MPa (400 bar)
Bushing	G1/2" - G3/8"	40 MPa (400 bar)
Bushing	G3/4" - G1/4"	40 MPa (400 bar)
Bushing	G3/4" - G3/8"	40 MPa (400 bar)
Bushing	G3/4" - G1/2"	40 MPa (400 bar)
Bushing	G3/4" - G1"	40 MPa (400 bar)
Bushing	G3/4" - G11/4"	40 MPa (400 bar)
Bushing	G1 1/4" - G3/4"	40 MPa (400 bar)

### Adapter in Steel

Description	Thread (female-female)	Max. pressure
Adapter	G3/8" - G1/2"	40 MPa (400 bar)
Adapter	G1/2" - G1/2"	40 MPa (400 bar)
Adapter	G3/4" - G1/2"	40 MPa (400 bar)
Adapter	G1" - G3/4"	40 MPa (400 bar)

### Reduction in Steel

Description	Pipe dimension	Max. pressure
Reduction Stainless Steel	Ø 22 - Ø 15 mm	25 MPa (250 bar)
Reduction	Ø 22 - Ø 15 mm	25 MPa (250 bar)
Reduction	Ø 28 - Ø 22 mm	25 MPa (250 bar)
Reduction	Ø 35 - Ø 28 mm	25 MPa (250 bar)
Reduction	Ø 35 - Ø 22 mm	25 MPa (250 bar)
Reduction	Ø 25 - Ø 20 mm	40 MPa (400 bar)
Reduction	Ø 38 - Ø 25 mm	40 MPa (400 bar)
Reduction	Ø 38 - Ø 20 mm	40 MPa (400 bar)

#### Part No

10103532  
10103529  
10103547  
10103526  
10103544  
10103517  
10103523  
10103520  
10103538



25101978  
25102023  
25101981  
25102032  
25101987  
25102035  
25102041  
25101999  
25102038  
25102047  
25102053  
25102008  
25102056  
25102065  
25102011  
25102068  
25102071  
25102077  
25102074  
25102083



25101768  
25101771  
25101774  
25101780  
25101783  
25101786



25101819  
10105959  
10105998  
10106001  
25101864  
25101871  
70091220  
10105941



25101936  
25101942  
25101948  
25101963



10201474  
10101474  
10101519  
10101567  
10101564  
10101498  
10101591  
10101588



## Installation Components

### Adapters with a Swivelling Nut, in Steel

Description	Thread (male-female)	Max. pressure
Adapter	G1/4" - G1/4"	64 MPa (640 bar)
Adapter	G1/4" - G1/2"	64 MPa (640 bar)
Adapter	G1/4" - G1/2"	64 MPa (640 bar)
Adapter	G3/8" - G3/8"	64 MPa (640 bar)
Adapter	G3/8" - G1/4"	64 MPa (640 bar)
Adapter	G3/8" - G1/2"	64 MPa (640 bar)
Adapter	G1/2" - G1/2"	64 MPa (640 bar)
Adapter	G1/2" - G3/8"	64 MPa (640 bar)
Adapter	G1/2" - G3/4"	64 MPa (640 bar)
Adapter	G3/4" - G3/4"	64 MPa (640 bar)
Adapter	G3/4" - G1/2"	64 MPa (640 bar)
Adapter	G3/4" - G1"	64 MPa (640 bar)
Adapter	G1" - G1"	64 MPa (640 bar)
Adapter	G1" - G3/4"	64 MPa (640 bar)

#### Part No

25102341  
25102344  
25102345  
25102350  
25102347  
25102353  
25102359  
25102356  
25102365  
25102383  
25102377  
25102386  
25102392  
25102389



### W-adapters with a Swivelling Nut, in Steel

Description	Thread (male-female)	Max. pressure
Adapter	G1/4" - G1/4"	64 MPa (640 bar)
Adapter	G3/8" - G3/8"	64 MPa (640 bar)
Adapter	G1/2" - G1/2"	64 MPa (640 bar)
Adapter	G3/4" - G3/4"	64 MPa (640 bar)
Adapter	G1" - G1"	64 MPa (640 bar)
Adapter	G2" - G2"	64 MPa (640 bar)

25102428  
25102431  
25102434  
25102440  
25102446  
25102450



### Adapters with two Swivelling Nuts, in Steel

Description	Thread (female-female)	Max. pressure
Adapter	G 3/8" - G 3/8"	64 MPa (640 bar)
Adapter	G1/2" - G1/2"	64 MPa (640 bar)
Adapter	G3/4" - G3/4"	64 MPa (640 bar)

25101897  
25101903  
25101909



### W-adapters with two Swivelling Nuts, in Steel

Description	Thread (female-female)	Max. pressure
Adapter	G1/4" - G1/4"	64 MPa (640 bar)
Adapter	G1/2" - G1/2"	64 MPa (640 bar)
Adapter	G3/4" - G3/4"	64 MPa (640 bar)

25101126  
25101132  
25101117



### T-adapters, in Steel

Description	Thread (male-male-male)	Max. pressure
Adapter	G1/4" - G1/4" - G1/4"	64 MPa (640 bar)
Adapter	G3/8" - G3/8" - G3/8"	64 MPa (640 bar)
Adapter	G1/2" - G1/2" - G1/2"	64 MPa (640 bar)
Adapter	G3/4" - G3/4" - G3/4"	64 MPa (640 bar)
Adapter	G1" - G1" - G1"	64 MPa (640 bar)

25102866  
25102867  
25102869  
25102875  
25102878



### Plug, in Steel

Description	Thread (male)	Max. pressure
Plug	G1/4"	64 MPa (640 bar)
Plug	G1/2"	64 MPa (640 bar)
Plug	G3/4"	64 MPa (640 bar)
Plug	G1"	64 MPa (640 bar)
Plug	G2"	2,5 MPa (25 bar)

25101513  
25101519  
25101495  
25101498  
9320119



### Quick Connector, in Steel

Description	Thread (female)	Max. pressure
Male	G1/2"	16 MPa (160 bar)
Female	G1/2"	16 MPa (160 bar)
Male	G3/4"	16 MPa (160 bar)
Female	G3/4"	16 MPa (160 bar)

35101222  
35101216  
35101273  
35101258



### Adapters, in Brass

Description		Thread (male-male)	Part No
RNA 1/8" - 1/8"	Adapter	G1/8" - G1/8"	25201216
RNA 1/4" - 1/4"	Adapter	G1/4" - G1/4"	25201210
RNA 1/2" - 1/2"	Adapter	G1/2" - G1/2"	25201192
RNA 1/2" - 3/8"	Adapter	G1/2" - G3/8"	25201201
RNA 1/2" - 3/8"	Adapter	G3/4" - G3/4"	25201228
RNA 1" - 1"	Adapter	G1" - G1"	25201171
RNA 1" - 3/4"	Adapter	G1" - G3/4"	25201204
RNA 1 1/2" - 1"	Adapter	G1 1/2" - G1"	25201177
RNA 2" - 2"	Adapter	G2" - G2"	25201219



### Bushings, in Brass

Description		Thread (male-female)	Part No
RNI 1/4" - 1/2"	Bushing	G1/4" - G1/2"	25201061
RNI 1/4" - 3/8"	Bushing	G1/4" - G3/8"	25201057
RNI 1/4" - 1/8"	Bushing	G1/4" - G1/8"	25201279
RNI 3/8" - 1/4"	Bushing	G3/8" - G1/4"	25201303
RNI 3/8" - 1/4"	Bushing	G 1/2" - G 1/8"	25201267
RNI 1/2" - 3/8"	Bushing	G1/2" - G3/8"	25201270
RNI 3/4" - 1/2"	Bushing	G3/4" - G1/2"	25201294
RNI 3/4" - 3/8"	Bushing	G3/4" - G3/8"	25201300
RNI 3/4" - 1/4"	Bushing	G3/4" - G1/4"	25201297
RNI 1" - 3/4"	Bushing	G1" - G3/4"	25201273
RNI 1" - 1/2"	Bushing	G1" - G1/2"	25201243
RNI 1" - 3/8"	Bushing	G1" - G3/8"	25201276
RNI 1 1/2" - 3/4"	Bushing	G1 1/2" - G3/4"	25201252
RNI 2" - 1 1/2"	Bushing	G2" - G1 1/2"	25201285
RNI 2" - 1"	Bushing	G2" - G1"	25201282



### Hose Fitting in Brass

Description	Hose Dimension	Thread (male)	Part No
Hose Fitting	3/8" (10 mm)	G1/2"	38220806
Hose Fitting	1/2" (13 mm)	G1/2"	38220808
Hose Fitting	3/8" (10 mm)	G1/4"	38220406
Hose Fitting	1/2" (13 mm)	G1/4"	38220408
Hose Fitting	1/2" (13 mm)	G3/4"	38220812
Hose Fitting	3/4" (20 mm)	G1/2"	38221208
Hose Fitting	3/4" (20 mm)	G3/4"	38221212
Hose Fitting	3/4" (20 mm)	G1"	38221612



### Hose Clamp

Description	Dimension	Part No
Hose Clamp	Ø 8 - 16 mm	72101051
Hose Clamp	Ø 12 - 22 mm	72101126
Hose Clamp	Ø 16 - 25 mm	72101081
Hose Clamp	Ø 20 - 32 mm	72101087



### Adapters in Stainless Steel

Description	Threads	Max. pressure	Part No
Adapter	G3/8" (m) - G1/2" (m)	64 MPa (640 bar)	78020608
Adapter	G1/2" (m) - G1/2" (m)	64 MPa (640 bar)	78020808
Adapter	G3/4" (m) - G1/2" (m)	64 MPa (640 bar)	78020812
Adapter	G1" (m) - G1/2" (m)	64 MPa (640 bar)	78020816
Bulkhead Fitting	G1/2" (m) - G1/2" (m)	64 MPa (640 bar)	78900808
Adapter w. a swiveling nut	G1/2" (m) - G1/2" (f)	64 MPa (640 bar)	78080808
W-Adapter 90°	G1/2" (m) - G1/2" (f)	64 MPa (640 bar)	78310808
T-Adapter	3 x G1/2" (m)	64 MPa (640 bar)	78510808
Adapter w. two swiveling nuts	G1/2" (f) - G1/2" (f)	64 MPa (640 bar)	78070808
Reducer	Ø 22 - Ø15 mm	25 MPa (250 bar)	10201474



## Installation Components

### Shut-off Valves in Steel

Description	Media	Thread (f)	Max. pressure	Part No
BKH R 1/8	Grease and oil	G1/8"	50 MPa (500 bar)	<b>30201339</b>
BKH R 1/4	Grease and oil	G1/4"	50 MPa (500 bar)	<b>30201330</b>
BKH R 3/8	Grease and oil	G3/8"	50 MPa (500 bar)	<b>30201354</b>
BKH R 1/2	Grease and oil	G1/2"	50 MPa (500 bar)	<b>30201315</b>
BKH R 3/4	Grease and oil	G3/4"	40 MPa (400 bar)	<b>30201345</b>
BKH R 1	Grease and oil	G 1"	35 MPa (350 bar)	<b>30201300</b>
BKH R 1 1/4	Grease and oil	G 1 1/4"	35 MPa (350 bar)	<b>30201309</b>



### Shut-off Valves in Brass

Valves in brass with PTFE-seals, lever or handle. For Oil, air and water

Thread (f)	Pressure	Operation	Part No
G3/8"	6,4 MPa (64 bar)	Lever	<b>30101117</b>
G1/2"	6,4 MPa (64 bar)	Lever	<b>30101093</b>
G3/4"	4,0 MPa (40 bar)	Lever	<b>30101111</b>
G1"	4,0 MPa (40 bar)	Lever	<b>30101081</b>
G1 1/4"	2,5 MPa (25 bar)	Lever	<b>30101087</b>
G1 1/2"	2,5 MPa (25 bar)	Lever	<b>30101084</b>
G2"	2,5 MPa (25 bar)	Lever	<b>30101102</b>
G1/4"	6,4 MPa (64 bar)	Handle	<b>30101129</b>
G3/8"	6,4 MPa (64 bar)	Handle	<b>30101144</b>
G1/2"	6,4 MPa (64 bar)	Handle	<b>30101123</b>
G3/4"	4,0 MPa (40 bar)	L-drilled, 3 ways	<b>30101069</b>
G1/4" (f) - G1/4" (m)	2,5 MPa (25 bar)	Needle valve	<b>28513</b>
G 3/4"	2,5 MPa (40 bar)	Automatic with air-flow control 24V DC	<b>28370</b>



28513  
28370

### Tanks for oil

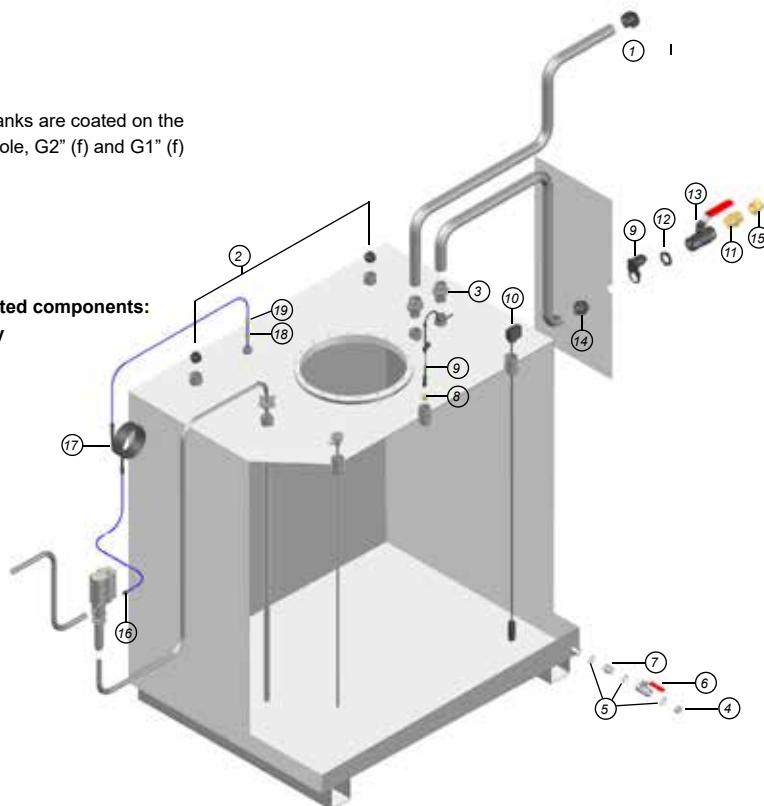
Manufactured in sheet steel in accordance with Swedish standards. The tanks are coated on the outside and untreated on the inside. The upper part is provided with manhole, G2" (f) and G1" (f) threaded connections and a G1 1/2" connection for the level sensor.

The tank can also be ordered for outdoor purposes.

Order by specifying H x W x D (Total height = H + 225 mm)

Installation kit (99414) for fresh oil tank is composed by the below listed components:

Pos.	Description	Part no.	Qty
1	Ventilation cap	28328	1
2	Plug G2"	9320119	2
3	Union fitting G2"	9320104	2
4	Plug G1"	25101498	1
5	Rubber/steel washer G1"	10103517	3
6	Shut-off valve 1"	30101081	1
7	Fitting steel G1"-G1"	25102011	1
8	Bushing G1"-G1/2"	25201243	1
9	Overfilling protection	23163	1
10	Level gauge	2345475	1
11	Fitting G2"	9320106	1
12	Nut G2"	9320105	1
13	Shut-off valve G2"	30101102	1
14	Fitting G2"	25201219	1
15	Filling connection G2"	28197	1
16	Bushing G1/4"-G1/8"	25101819	1
17	Hose from pressure relief valve	480013M	1
18	Bushing G1"-G3/4"	25201273	1
19	Bushing G3/4"-G1/4"	25201297	1



Installation kit for waste oil (99415) and other fluids (99416) see next page.

Our tanks are not stocked items, only delivered against order

### Complete connection kits for tanks

Connection kit for fresh oil tank including the following: level gauge, overfilling protection, union fittings, filling connection for trucks, ventilation cap for venting, plugs on the extra connection points, valve with plug for drainage in the bottom of the tank and a hose with adaptors for the pressure relief protection of the pump.

Connection kit for waste oil tank including the following: level gauge, union fittings, emptying connection for trucks, ventilation cap for venting, plugs on the extra connection points and valve with plug for drainage in the bottom of the tank.

Connection kit for waste liquid tank including the following: level gauge, union fittings, emptying connection for trucks, ventilation cap for venting, plugs on the extra connection points and valve with plug for drainage in the bottom of the tank.

#### Accessories for tanks

Ventilation cap in zinc plated steel 180°, connection thread G2" (f)

Filling connector in brass, straight

Filling connector in brass, 30°

Level gauge for tanks, max height of tank 2,5 m, connection thread G1 1/2" (m)

Level gauge for tanks, max height of tank 3 m, connection thread G1 1/2" (m), can be mounted beside the tank, connected by means of a hose (10 m included), scale in l or %.

Plug in steel, connection thread G1/2" (m)

Plug in steel, connection thread G3/4" (m)

Plug in steel, connection thread G1" (m)

Plug in steel, connection thread G1 1/2" (m)

Plug in steel, connection thread G2" (m)

### Filling cabinet

The cabinet is made in stainless steel sheet for wall mounting. The door is sealed to prevent water or other contamination entering the cabinet. The cabinet is manufactured to withstand outdoor environment.

#### Description

Lockable filling cabinet made in stainless steel sheet.

Dimensions (L x W x D) 800 x 600 x 300 mm, excluding filling connectors.

Cabinets are available in other dimensions!

#### Part No

99414

99415

99416

28328

28196

28197

2345475

29126

25101519

25101495

25101498

25101507

9320119

28328 2345475



28197



29126



24104

**Notes:**

A large rectangular area with a rounded top-left corner, containing numerous horizontal dotted lines for writing notes.





# 14 Sorbents

Sorbents for Oil Only .....	160
Universal Sorbents .....	161
Spill Rugs .....	162



## Sorbents for Oil Only

### Sorbents for Petroleum Based Liquids

Highly absorbent meltblown polypropylene center for cost-effectiveness. Absorbs petroleum based liquids and repels water. Spunbond on both sides gives superior strength.

Spunbond material allows for high abrasion resistance when wiping rough surfaces. Perforations minimize waste. Dimples give added strength. Virtually lint-free.

### Pads

**OPW** our best products for wiping. Strong and doesn't leave any lint.

Description	Size	Quantity	Absorbency*
High weight	41 x 46 cm	100/box	120
Light weight	41 x 46 cm	200/box	154

Part No

34000

34001



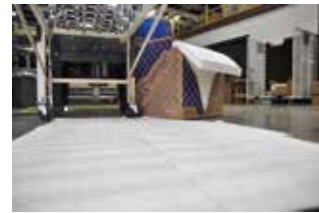
### Rolls

**OPW** for industrial cleaning, very absorbent and doesn't leave lint.

Description	Size	Quantity	Absorbency*
High weight	41 cm	46 m/roll	120
High weight	81 cm	46 m/roll	240

34002

34003



### Mini Booms

Filled with 100% polypropylene for cost effectiveness. Flexible - can thereby be shaped around leaky machinery or drums. Available in different sizes. Can also be used during clean up of smaller oil spills on water. Ideal for use in order to surround and contain liquids during a land spill. Absorbs petroleum based liquids and repels water.

Description	Size	Quantity	Absorbency*
Mini boom	Ø 7,6 x 122 cm	15/package	85
Mini boom	Ø 7,6 x 305 cm	6/package	84
Mini boom	Ø 13 x 300 cm	4/package	135

34004

34005

34006



### Drum Tops

Already have pre-cut holes in order to perfectly fit on 200 liter drums. Prevents drum top leaks from reaching the floor, thus preventing slippery floors. Absorbs petroleum based liquids and repels water.

Only for oil and other petroleum based products.

Description	Size	Quantity	Absorbency *
Drum Tops for 200 litres drums	Ø 56 cm	25/box	50

34007



\* Absorbency in litres/packaging

### Sorbents for Oil and Water

Absorbs and retains oil, water, solvents, coolants, etc. Available in various weights. Keeps floors clean and dry. Place under and around machinery, use to line shelves, and for clean-up applications. Use as a rag for quick wipe-ups. Dimple bonded for strength. Center perforated for a customized fit.

#### Pads

Description	Size	Quantity	Absorbency*
High weight	41 x 46 cm	100/box	108
Light weight	41 x 46 cm	200/box	133

#### Rolls

Description	Size	Quantity	Absorbency*
High weight	41 cm	46 m/roll	120
High weight	81 cm	46 m/roll	240

### Sorbents for Universal Use

Absorbs most industrial liquids (oil-based as well as water-based). One-sided spunbond gives added strength. Spunbond material allows for high abrasion resistance when used in high traffic areas. All rolls are perforated down center as well as across the width thus minimizing waste. Packed in a sturdy box for easy handling. Dimples add strength. Rolls are static resistant, giving greater safety when handling flammable liquids.

#### Pads

Description	Size	Quantity	Absorbency*
High weight	41 x 46 cm	100/package	120

#### Rolls

Description	Size	Quantity	Absorbency*
High weight	81 cm	46 m/roll	240

### Mini Booms for all fluids

Flexible - can thereby be shaped around leaky machinery or drums. Available in two different lengths for added customer choice. Can also be used during clean up of smaller oil spills on water. Ideal for use in order to surround and contain liquids during a land spill. Absorbs petroleum based liquids as well as water based liquids. Can be used as temporary containment during a spill situation.

Description	Size	Quantity	Absorbency*
Mini Boom	Ø 7,6 x 122 cm	15/package	85
Mini Boom	Ø 7,6 x 305 cm	6/package	84

### Drum Tops

Already have pre-cut holes in order to perfectly fit on 200 liter drums. Prevents drum top leaks from reaching the floor, thus preventing slippery floors. Absorbs most industrial liquids (oil-based as well as water-based.)

Description	Size	Quantity	Absorbency*
Drum Tops for 200 litres drums	Ø 56 cm	25/box	50

\* Absorbency in litres/packaging

Part No

34100  
34101



34102  
34103



34104



34105

### Mini Booms for all fluids

Flexible - can thereby be shaped around leaky machinery or drums. Available in two different lengths for added customer choice. Can also be used during clean up of smaller oil spills on water. Ideal for use in order to surround and contain liquids during a land spill. Absorbs petroleum based liquids as well as water based liquids. Can be used as temporary containment during a spill situation.

Description	Size	Quantity	Absorbency*
Mini Boom	Ø 7,6 x 122 cm	15/package	85
Mini Boom	Ø 7,6 x 305 cm	6/package	84

34106  
34107



### Drum Tops

Already have pre-cut holes in order to perfectly fit on 200 liter drums. Prevents drum top leaks from reaching the floor, thus preventing slippery floors. Absorbs most industrial liquids (oil-based as well as water-based.)

Description	Size	Quantity	Absorbency*
Drum Tops for 200 litres drums	Ø 56 cm	25/box	50

34108



## Spill Rugs

### Spill Rug

Adsorbs most industrial liquids (oil-based as well as water-based). Spunbond on one side gives superior strength. Spunbond material allows for high abrasion resistance when used in high traffic areas. All rolls are perforated twice down the center as well as across the width thus minimizing waste. Camouflage pattern masks stains and keeps floor looking clean.

Thick outer spunbond layer makes product extra resistant. Perforated down center as well as across width.

### Rolls

Description	Size	Quantity	Absorbency*
High weight	81 cm	46 m/roll	264

Part No

34110



### Spill Rug

Made from adsorbent needle punched polypropylene. Extremely strong construction allows for both walking and driving on rolls. Absorbs petroleum based as well as water based liquids. Ideal for putting in walkways or around machinery with heavy traffic. With anti-slip, impermeable backing to protect floors.

### Rolls

Description	Size	Quantity	Absorbency*
Average weight, spill rug for in and outside use	91 cm	30 m/roll	80

34120



### Spill Rug for In and Outside Use

Heavy duty poly backing prevents leaking of liquids into the ground. 3-piece construction gives high durability. Top layer gives UV protection, thereby warranting a longer lifespan of product. Applications including: under transformers to prevent oils from leaking onto ground, factory floors where liquids must not penetrate onto floor, factories/warehouses where a durable sorbent is needed due to high traffic and under heavy equipment (stamping tools, etc) in order to protect floor.

### Rolls

Description	Size	Quantity	Absorbency*
Spill rug for in and outside use	147 cm	24 m/roll	352

34121



\* Absorbency in litres/packaging



**Notes:**

A large rectangular area with a rounded top-left corner, containing numerous horizontal dotted lines for taking notes.

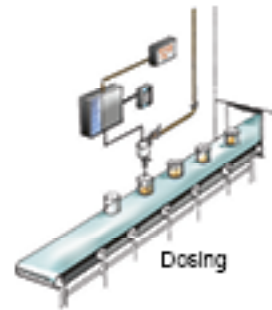
# Industry



Distribution Equipment



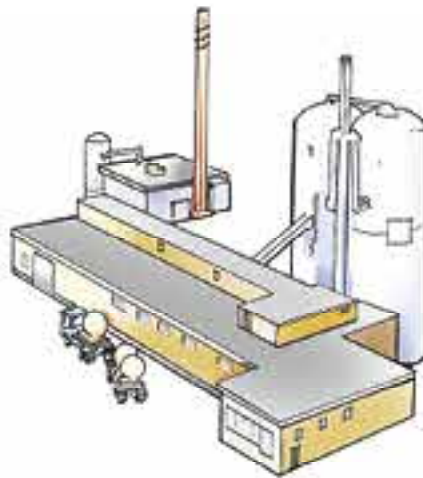
Pumping



Dosing



Hose Reels



Accessories

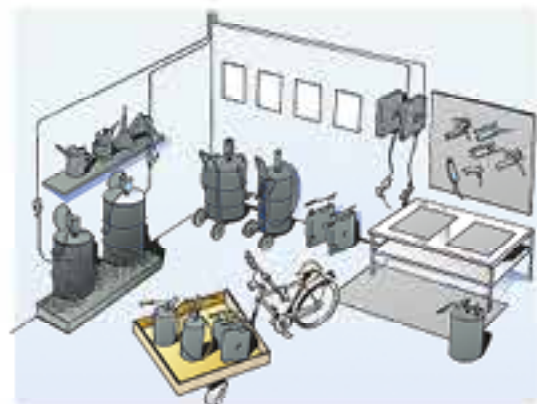


Smoke Extraction



Exhaust Extraction

Mobile Units



Complete Solutions



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