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# Garage

## Hose Reels



## Monitoring Systems



## Hose End Controls



## Accessories



## Mobile Units



## Waste Oil Equipment



## Service Stands & Towers



## Pumps

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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 (22700) G1" (f)
<b>Weight (approx.)</b>	22700 - 2,8 kg
	22705 - 4,4 kg

#### Description

Stub pump  
 Barrel pump for 205 l drums

Part No

22700



22705


**22700**  
**22705**

### 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 (22710) G3/4" (f)
<b>Weight (approx.)</b>	22710 - 2,4 kg
	22715 - 3,8 kg

#### Description

Stub pump  
 Barrel pump for 205 l drums

22710



22715


**22710**  
**22715**

### 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)
<b>Weight (approx.)</b>	22750 - 4,9 kg
	22752 - 6,5 kg
	227521550 - 7,5 kg

#### Description

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

22750



22752


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

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

*\*\*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)*

## 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).

### Pressure ratio 15:1

<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)
<b>Weight (approx.)</b>	22760 - 4,7 kg 22762 - 6,4 kg

### Description

Stub pump  
Barrel pump for 205 l drums

Part No

22760  
22762



## Oil Pump, Pressure Ratio 10:1

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.

### Pressure ratio 10:1

<b>Capacity</b>	Max 40 l/min., free flow, at 0,7 MPa, (7 bar)
<b>Air pressure</b>	Max 1,0 MPa (10 bar)
<b>Connections</b>	Air: G1/2" (f) Oil: Outlet G3/4" (f) Inlet (22410) G1 1/2" (f)
<b>Weight (approx.)</b>	22410 - 14 kg

### Description

Stub pump, use wall bracket 28554

22410

22410



## Oil Pump, High Performance, Ratio 2:1

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

### Pressure ratio 2:1

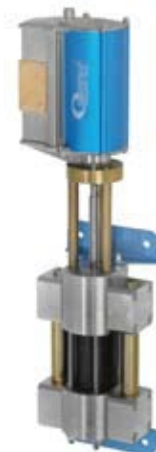
<b>Capacity</b>	Max 60 l/min., free flow, at 1,0 MPa, (10 bar)
<b>Air pressure</b>	Max 1,0 MPa (10 bar)
<b>Connections</b>	Air: G1/4" (f) Oil: Outlet G3/4" (m) Inlet G3/4" (m)
<b>Weight (approx.)</b>	22780 - 10 kg

### Description

High Performance 2:1 Oil Pump

22780

22780



## Electric Pumps & Air Operated Diaphragm Pumps

### Electric Pump for Oil

Self-priming 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. Suitable for use with hydraulic oil, gear oil and other lubricating oils.

Inlet: G3/4" (f) Outlet: G1" (f). Voltage: 230 V, 50 Hz.

Capacity*	Max pressure	Min pressure	Engine power	Part No
9,5 l/min.	12 bar	6 bar	0,6 kW	52510
13 l/min.	16 bar	6 bar	0,78 kW	52515
9,5 l/min.	25 bar	6 bar	0,78 kW	52520

\* 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 metre x 3/4" bore hose

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

99656

Oil line hose 1,5 metre x 3/4" bore hose

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

99659

**Note: Pump not included**



### Electric Pump for Oil

Special pump for large industrial applications.

ON DEMAND



### 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).

**Air pressure** 0,3 MPa (3 bar) - 0,7 MPa (7 bar)

**Connections** Air: G3/8" (f)

Oil: 22210 inlet-outlet G1/2" (f)

22310 inlet-outlet G1" (f)

**Weight** 22210 - 3,5 kg

22310 - 7,2 kg

22210

22310

22310



98876

### Magnetic Feet, Rubber Covered.

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

98876

### Installation Kit for Diaphragm Pump

Components for an air operated Diaphragm 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= 2,0 m and suction tube L= 1,0 m

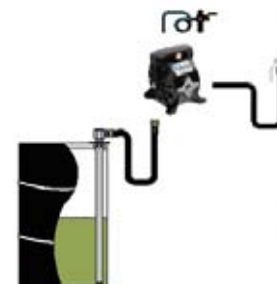
With air treatment unit.

Without air treatment unit

99666

99766

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



## Drum mounted Pump Installation Kit

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

**Information**

Air line hose 1,5 metre x 1/4" bore hose  
 Oil line hose 1,5 metre x 3/4" bore hose

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.

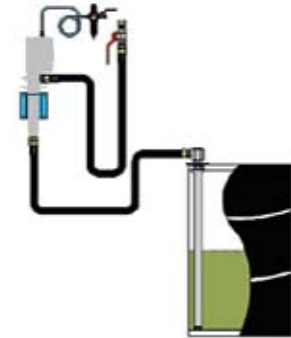
**Information**

Air line hose (48001) 1/4" L= 1,5 m  
 Oil line hose (28079) 3/4" L= 1,5 m  
 Suction hose 28310 L= 2,0 m and suction tube L= 1,0 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.

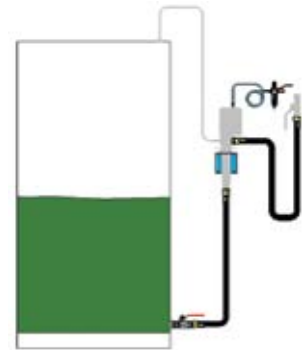
**Information**

Air line hose 1,5 metre x 1/4" bore hose  
 Oil line hose 1,5 metre x 3/4" bore hose  
 Oil suction hose (28078) 1,0 metre 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.

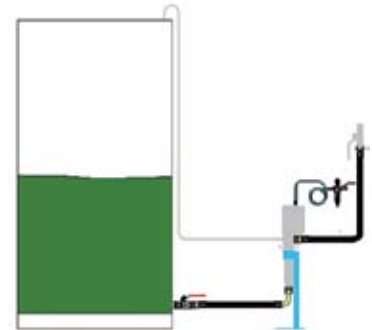
**Information**

Air line hose 1,5 metre x 1/4" bore hose  
 Oil line hose 1,5 metre x 3/4" bore hose  
 Oil suction hose (28080) 1,0 metre 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 1,5 metre x 1/4" bore hose  
 Oil line hose 1,5 metre x 3/4" bore hose

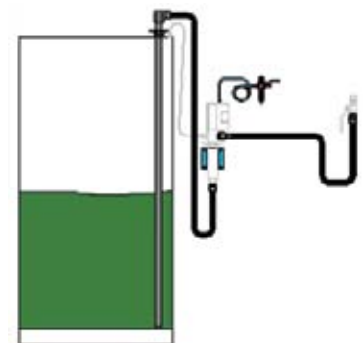
**With Oil suction attachment (28311) 2,0 metre hose and 1,7 metre tube.**  
 With air treatment unit  
 Without air treatment unit

**With Oil suction hose (28321) 5,0 metre hose for tank height max. 3 metres.**  
 With air treatment unit  
 Without air treatment unit

**Note! Pump not included.**

99629  
 99729

99624  
 99724



## Spring Operated Hose Reels

### 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).

Length	Part No	Length	Part No	Length	Part No
2 m	<b>28009</b>	4 m	<b>28011</b>	6 m	<b>28013</b>
3 m	<b>28010</b>	5 m	<b>28012</b>	8 m	<b>28015</b>

Part No

### Series ORK, ORM

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

	Length m	Diameter mm-inch	Conn. threads	Working Pressure		
				MPa	bar	
Series ORK	10	12,5 - 1/2"	G1/2" (f)	7,5	75	<b>24911</b>
Series ORM	15	12,5 - 1/2"	G1/2" (f)	7,5	75	<b>24922</b>

### Series ORS

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

	Length m	Diameter mm-inch	Conn. threads	Working Pressure		
				MPa	bar	
Series ORS	10	12,5 - 1/2"	G1/2" (f)	7,5	75	<b>724910</b>
Series ORS	15	12,5 - 1/2"	G1/2" (f)	7,5	75	<b>724922</b>

### 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	
Series ORL	20	12,5 - 1/2"	G1/2" (f)	7,5	75	<b>24931</b>
Series ORL	15	19 - 3/4"	G3/4" (f)	7,5	75	<b>24932</b>

### Series OR

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

	Length m	Diameter mm-inch	Conn. threads	Working Pressure		
				MPa	bar	
Series OR	20	12,5 - 1/2"	G1/2" (f)	6	60	<b>24920</b>

### Series LOR

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

	Length m	Diameter mm-inch	Conn. threads	Working Pressure		
				MPa	bar	
Series LOR	25	12,5 - 1/2"	G1/2" (f)	6	60	<b>24941</b>
Series LOR	20	19 - 3/4"	G3/4" (f)	6	60	<b>24943</b>
Series LOR	15	25 - 1"	G1" (f)	6	60	<b>24945</b>

### Series ORB

Extra Heavy Duty open hose reel with steel braided hose.

	Length m	Diameter mm-inch	Conn. threads	Working Pressure		
				MPa	bar	
Series ORB	30	12,5 - 1/2"	G1/2" (f)	6	60	<b>24974</b>
Series ORB	20	19 - 3/4"	G3/4" (f)	6	60	<b>24975</b>
Series ORB	25	19 - 3/4"	G3/4" (f)	6	60	<b>24976</b>
Series ORB	15	25 - 1"	G1" (f)	6	60	<b>24977</b>

### 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 m	Diameter mm-inch	Conn. threads	Working Pressure		
				MPa	bar	
Series CRO	10	12,5 - 1/2"	G1/2" (f)	7,5	75	<b>624910</b>
Series CRO	15	12,5 - 1/2"	G1/2" (f)	7,5	75	<b>624922</b>



**Hose End Meters**

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

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

Part No

**24786**

**24780**

**2470010**

**2470050**

**2470210**

**2470250**

24786



24780



2470050  
2470250



**Oil Control Valve**

Control valve made of aluminium, 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 semi-automatic nozzle
- Oil Control Valve     with hose and semi-automatic nozzle
- Oil Control Valve     with hose 90° and automatic nozzle
- Oil Control Valve     with hose 135° and automatic nozzle

- 24675**
- 24560**
- 24561**
- 24562**
- 24564**

24560



24561



**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).

- 2468010**
- 2468050**

2468010



2468050



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

**Oil Control Valve**

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.

**Maximum flow**     **Maximum pressure:**     **Inlet thread:**  
48 l/min.     10 MPa (100 bar)     G3/4" (f)

**24563**

24563



**Drip Holsters**

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

**Beskrivning**

- Drip holster
- Drip holster
- Drip holster

- 29020**
- 29085**
- 29095**

29020



29085

29095

*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 22710, hose reel 624910, hose end meter 24780, 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 22715, hose reel 624910, hose end meter 24780, 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 Kit

1:1 ratio air operated oil pump (22700) mounted on a bracket on the side on the container. The pump outlet is fitted with a shut off valve with hooked outlet nozzle 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

SPEC206  
IBCT

SPEC206M  
IBCT

92126

9320120



## Distribution Kit

3:1 ratio air operated oil pump (22710) 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 (24780).

**Note! Delivered without the container.**

Distribution Kit with Diaphragm pump 22210

**Note! Delivered without the container.**

Bracket only

SPEC206  
IBCM

SPEC206M  
IBCM

92126



## Distribution Kit

3:1 ratio air operated oil pump (22715) mounted on a bracket on top of the container. Supplied with a 10 metre 1/2" hose reel (24911) and digital hose end meter (24780).

**Note! Delivered without the container.**

Bracket only

SPEC206  
IBCRM

92128



**Contact us for other configuration options!**

## Tank Kits

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

The tank comes with hose reel (624910), pump (22710), meter (24780) 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 Bench Tank 1.500 l, for Indoor Location

The tank is supplied with equipment equal SPEC2305, without protection reservoir.

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

SPEC2306



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

The tank is supplied with 624910 hose reel, 22710 pump, 24780 hose end meter and necessary hoses and connections. The tank must be installed according to valid rules.

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

SPEC2307



## 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)
22705/1:1	60 l	Ø 405 mm	3 m	650 x 510 x 1.280
22700/1:1	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 22705, 1/2" oil hose (3m) with hose end meter and drum trolley 28526 or 28528.

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	24700	<b>22052</b>
Oil dispenser	500 x 450 x 1.250 mm	28526	24700	<b>22053</b>
Oil dispenser	450 x 620 x 1.200 mm	28528	24780	<b>22152</b>
Oil dispenser	500 x 450 x 1.250 mm	28526	24780	<b>22153</b>



### Mobile Oil Dispensers for 200 l Drums

Consisting of an oil pump 22705, 1/2" oil hose (3 m) 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	28276	24700	<b>22054</b>
Oil dispenser	800 x 620 x 1.200 mm	28645	24780	<b>22154</b>
Oil dispenser	800 x 620 x 1.200 mm	28276	24780	<b>22155</b>



### Mobile Oil Dispensers for 200 l Drums

Consisting of an oil pump 22715, 1/2" hose reel 624910 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	24780	<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 24560.

Description	Volume	Dim. (L x W x H)
Oil dispenser	approx. 24 l	350 x 380 x 780 mm

Part No

21036



### 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.

21017



### 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	Hose
Oil dispenser	450 x 230 x 1.200 mm	21650	28569
Oil dispenser	450 x 230 x 1.200 mm	21506	24599

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	28528

21658



### Mobile Oil Dispenser for 200 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



21016

21015

21574

21578

21670

21016

21015

### 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 for 1 product. Can be fitted with up to 4 valves for 4 different products.

Description	Dimension (W x D x H)	Connection thread
Oil dispensing bar	460 x 300 x 580 mm	G1/2"

Extra valve kit

24101

24509



## 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.)	Part No
Rotary pump	900 mm tube in 3 sections	Ø 32 mm	0,25 l/turn	5,1 kg	21205

\*\* Engine oil, +20 °C.

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

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.)**	Weight (approx.)	Part No
Rotary pump	900 mm tube in 3 sections	Ø 44 mm	0,3 l/turn **	1,8 kg	21200

\*\* 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.)**	Part No
Drum pump, telescopic	60 to 200 ls	0,45 l/stroke	21012

\*\* 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. Capacity 0,1 l/stroke .

Description	For drum	Capacity (approx.)**	Part No
Drum pump with outlet hose	20 ls	0,1 l/stroke	21500
Drum pump with outlet hose	60 ls	0,1 l/stroke	21506
Drum pump with outlet hose	200 ls	0,1 l/stroke	21503
Outlet hose, 1,5 meters, with 135° angled spout and valve			24599

\*\* 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.)	Part No
Gear oil pump w hose	20 - 25 ls	0,2 l/stroke	21023
Gear oil pump w hose	Mobil 20 l	0,2 l /stroke	21038

\*\* Motor olja, +20 °C.



## 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 (24790) for mounting between the pump and outlet hose 1,5 m (24599) with hooked outlet nozzle

Part No

21650

21652

21662



### Drum Pumps

Made in Polypropylene and with a steel shaft. 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

21210  
21211



### Drum Pump

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

21022

### 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 Adapters and Accessories

Description	Information	Part No
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



\* For 21210 an 21211.

## Hand Operated Pumps

### Drum Pump

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

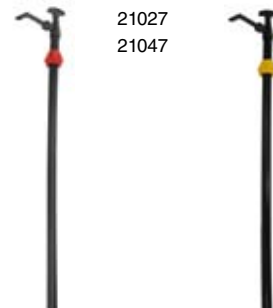
Description	Suction tube Length	Material in contact with the liquid
Drum Pump	1.000 mm	Nylon 6
Drum Pump	500 mm	Nylon 6
Drum Pump	1.000 mm	Polypropylene
Drum Pump	500 mm	Polypropylene

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 ls/min.
Piston operated	60 l	590 mm	10 ls/min.
Piston operated	200 l	850 mm	18,5 ls/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



### 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**

Drum Tap for horizontal oil drums.

Description	Material	Conn. thread	Part No
Drum Tap, push valve	Aluminium, Nitrile rubber	G2" (m)	<b>24506</b>
Drum Tap, ball valve	Brass	G3/4" (m)	<b>24624</b>



**Drum Taps in Plastic**

Drum taps for oil containers

Description	Material	Part No
Drum tap	DIN45 mm, pitch 4 mm	<b>24517</b>
Drum tap	Ø 34 mm, pitch 3 mm	<b>24579</b>
Drum tap	Ø 56 x 4 mm, Trisure	<b>24593</b>
Drum tap	DIN71 mm, pitch 6 mm	<b>24594</b>
Drum tap	DIN63 mm, pitch 4 mm	<b>24595</b>
Drum tap	DIN61 mm, pitch 6 mm	<b>24596</b>
Drum tap, brass	DIN71 mm, pitch 6 mm	<b>24625</b>



**Oil Cans**

Description	Volume	Part No
<b>Standard</b> Oil can, with rigid and flexible outlet tube	0,30 l	<b>21614</b>
<b>Industry</b> Oiler with Double Pump	0,30 l	<b>21613</b>
it is designed to dispense oil in any position.		
Oiler with Flexible metal hose 200 mm	0,30 l	<b>21615</b>
Oiler with Brush Nozzle, the brush enables the operator to put a thin oil film on surfaces.	0,30 l	<b>21616</b>
<b>Multi Purpose Oiler with Lockable Nozzle</b>		
Multi Purpose Oiler with Lockable Nozzle	0,125 l	<b>21646</b>
Multi Purpose Oiler with Lockable Nozzle	0,25 l	<b>21647</b>
Multi Purpose Oiler with Lockable Nozzle	0,5 l	<b>21648</b>



**Plastic Measures**

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

Description	Volume	Part No
Liquid measure	1 l	<b>21625</b>
Liquid measure	2 l	<b>21626</b>
Liquid measure	3 l	<b>21657</b>
Liquid measure	5 l	<b>21627</b>



**Tin Measures**

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

Description	Volume	Part No
Liquid measure	0,5 l	<b>21636</b>
Liquid measure	1 l	<b>21637</b>
Liquid measure	2 l	<b>21638</b>



**Calibration Measure**

To be used when meters must be calibrated

Description	Volume	Part No
Calibration Measure	2 l	<b>4342000</b>



# 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**

Liquid measure	6 l
Liquid measure	10 l

21644  
21645



## Funnels

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

**Description**

	<b>Volume</b>	
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

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**

	<b>Dimension</b>	
Tin funnel	Ø 160 mm	21628
Tin funnel	Ø 200 mm	21629
Threaded spout	300 mm	21634

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  
Oil Drain extra low 6 cm pan with 20 ls capacity.

21635  
21619  
21509  
21664



## 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



### 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	Part No
Air line hose	1/4" i.d.	1,5 m	G1/4" (m)	48001
Air line hose	1/4" i.d.	3 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 m	G3/8" (m)	480023M
Air line hose	1/2" i.d.	2 m	G1/2" (m)	48017



### 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	Part No
32	22710, 22715, 22760, 22762	28585
50	22700, 22705, 22720, 22725, 22750, 22752	28595
52	22802	28592
54	22770, 22775, 22410	2125753



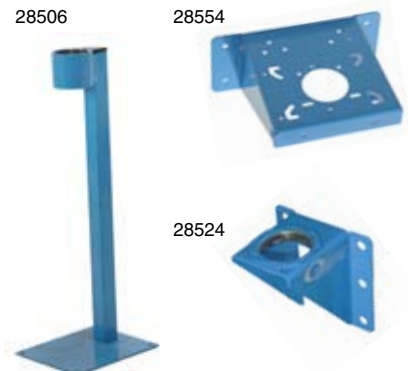
### Wall Brackets and Floor Stands

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

**Description**

Wall bracket  
Floor stand  
Wall bracket for 22410  
Wall bracket for Diaphragm Pumps

28524  
28506  
28554  
28553



### Drum Cover Protection (205 l Drums)

Keeps drum cover and surroundings clean.

No/box	Diam.	Absorbing capacity	Weight/box	Part No
25	Ø 56 cm	2 l/sheet	3,6 kg	OSW76
1	Ø 56 cm	2 l/sheet	145 g	DTA1

OSW76  
DTA1



## 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.

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



### Connection Oil Hoses

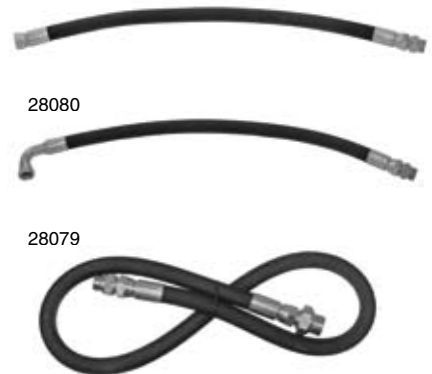
Connection hose of Nitrile rubber, wire braided, swaged couplings with swivelling nuts and adapter.

<b>Description</b>		
Tank connection hose, Length 1,0 m, with one straight coupling, G1"		<b>28078</b>
Tank connection hose, Length 1,0 m, with one straight and one 90°-angle coupling, G1". Mainly used with pumps mounted in floor stands.		<b>28080</b>
Oil connection hose, Length 1,5 m, with two straight couplings, G1" and G3/4"		<b>28079</b>
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.		<b>28272</b>

28078

28080

28079



### 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).

<b>Riser tube length</b>	<b>Hose dim.</b>	<b>Hose length</b>	
1,08 m	3/4"	2 m	<b>28310</b>
1,7 m	3/4"	2 m	<b>28311</b>
-	1"	5 m (max tankheight 3 m)	<b>28321</b>

28310

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	

Part No

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	Dimesions
G1/2" (f)	200 µm	Brass	
G3/4" (f)	200 µm	Brass	
In G3/4" (f) - Out G1/2" (f)	25 µm	Aluminium	Ø 60 x 111 mm

28022

28059

24583

28022 / 28059

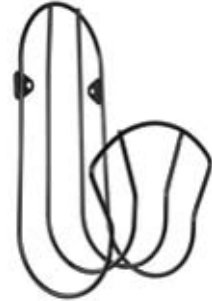
24583



## Hose Storage Rack

Designed for max. 30 m x 1/2"-hose, made of round iron, finished with brown epoxy lacquer.  
Two fixing holes Ø 6 mm for wall mounting.  
Dimensions: approx. 200 x 300 x 120 mm (W x H x D).

28251



## 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



**Notes:**

A large rectangular area with a rounded top-left corner, containing 30 horizontal dashed lines for taking notes.



## 2 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" (part No 28591) included.

Pump tube length	For drum	Total length	Weight
450 mm (effective 420 mm*)	12-20 kg	700 mm	4,6 kg
750 mm (effective 720 mm*)	60 kg	1.000 mm	5,6 kg
930 mm (effective 900 mm*)	180 kg	1.180 mm	6,25 kg

\* 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)

#### Part No

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

12752



### Grease Pump Heavy Duty, Special Version for "Sticky" Greases

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.

Pump tube length	For drum	Total length	Weight
450 mm (effective 420 mm*)	12-20 kg	890 mm	5,6 kg
750 mm (effective 720 mm*)	60 kg	1.190 mm	6,6 kg
930 mm (effective 900 mm*)	180 kg	1.370 mm	7,25 kg

#### 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) Pressure ratio 60:1

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

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

12652



### Grease Pump, Pressure Ratio 80:1

Air operated grease pump. Bung adapter G 2" (part No 28591) included.

Pump tube length	For drum	Total length	Weight
450 mm (effective 420 mm*)	12-20 kg	700 mm	4,6 kg
750 mm (effective 720 mm*)	60 kg	1.000 mm	5,6 kg
930 mm (effective 900 mm*)	180 kg	1.180 mm	6,25 kg

\* 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)

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

12757





### Grease Pump, Pressure Ratio 65:1

High capacity grease pump. For drum or fluid-bag installations.

Pump tube length	For drum	Total length	Weight
930 mm	180 kg	1.370 mm	10 kg

#### Technical data

<b>Pressure ratio</b>	65:1
<b>Air motor</b>	Diameter: Ø 80 mm Height: 270 mm Stroke length: approx. 100 mm
<b>Capacity</b>	1.800 g/min. free flow, air pressure 0,7 MPa.
<b>Air Pressure</b>	Max 1 MPa (10 bar)
<b>Pump tube</b>	Ø 40 mm
<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.

Part No

12852

12852



### 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).

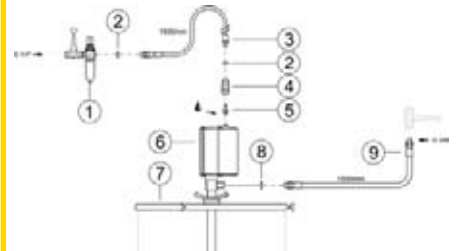
#### Information:

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  
 For 50-60 kgs drum incl. FRL unit  
 For 20 kgs drum incl. FRL unit

For 180 kgs drum excl. FRL unit  
 For 50-60 kgs drum excl. FRL unit  
 For 20 kgs drum excl. FRL unit

99601  
99602  
99604

99701  
99702  
99704

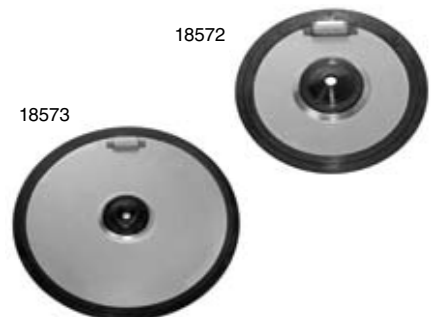


### Follower Plates

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
18-20 kg	265-290 mm
50 kg	300-330 mm
50 kg	340-360 mm
50 kg	365-395 mm
180 kg	560-590 mm

18569  
18570  
18575  
18571  
18572  
18573



### Adapter for Follower Plates

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

Grease Pumps 127 series  
Grease pump 12852

18565  
18566



### Two Post Ram with Pump (12852)

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" (991 mm) x 24" (610 mm)  
 Raised Height - 101" (2,5 m)  
 Lowered Position Height - 63" (1,6 m)

#### Description

Two Post Ram with out pump  
 Two Post Ram with pump 12852

18300  
18310

### Fluidbag Connection

For grease pump 12852

18078



## Distribution Hoses & Hose Reels

### 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).

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

Part No

### 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	14206
Series ORM	15	10 - 3/8"	G3/8" (f)	40	400	14218

### 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	714205
Series ORS	15	10 - 3/8"	G3/8" (f)	35	350	714215

### Series OR

Open hose reel with longer hose lengths, 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	14216

### 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	14225

### 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	614205
Series CRO	15	10 - 3/8"	G3/8" (f)	35	350	614215

More information, see the Hose reel section!



### 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**  
**14615**  
**99600**

14612



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**



### 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

### 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	28276
Grease pump with trolley	180 kg	3 m	28645
Grease pump with trolley	180 kgt	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	28276
Grease pump with trolley	180 kg	3 m	28645

*Note! Follower plate ordered separately.*

#### Part No

**12200**  
**12201**  
**12205**  
**12305**  
**12210**  
**12213**  
**12214**

12200  
12220



12201  
12221



12205  
12225



12214



12210  
12230



### Mobile Grease Pumps, "De-Luxe", for 12-20 kg and 60 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 60 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.*

**12234**  
**12235**

**2345386**  
**1825106**

12235



12234



## Mobile Grease Pumps for 12-20 kg and 60 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, 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
Grease pump (55:1)	12-20 kg	
Grease pump (55:1)	50 kg	
Grease pump (55:1)	180 kg	

Description	For	Dimension
Empty inner container 60 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**

**12131**

**12134**

**12135**

**12540**

**12541**

**12542**

**2345386**

**1825106**

12130



12121



12135



12131



## 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, drum cover 28525 and follower plate 18572

Description	Dimension
Chassis lube unit	450 x 620 x 1.200 mm

**22057**



## Mobile Grease Pumps

### Portable Grease Pump

Portable grease pump, complete with hose and hydraulic coupling.

Description	Volume	Max pressure	Dimension (L x W x H)	Weight (appr.)	Part No
Portable pump Round container	16 kg	15 MPa (150 bar)	490 x 240 x 630 mm	7,3 kg	<b>11017</b>
Portable pump Oval container	16 kg	35 MPa (350 bar)	380 x 170 x 620 mm	9,15 kg	<b>11018</b>
Portable pump OriCan container	16 kg	15 MPa (150 bar)	490 x 240 x 639 mm	7,3 kg	<b>11639</b>



### 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>11300</b>



### Grease Reservoir Filler Pump

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

Description	Drum lid	Part No
Filler Pump for 5 kg drums	Ø 195-215 mm	<b>11238</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 60 kg drums	Ø 350-395 mm	<b>11715</b>
Quick coupling		<b>55500306</b>
Quick nipples		<b>55500206</b>



### 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 bearingsize.

**11709**



### 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
60 cm <sup>3</sup>	Ø 30 x 115 mm	Funnel/hydraulic nozzle
60 cm <sup>3</sup>	Ø 30 x 115 mm	Pointed nozzle
150 cm <sup>3</sup>	Ø 40 x 240 mm	Funnel nozzle
150 cm <sup>3</sup>	Ø 40 x 240 mm	Pointed nozzle
150 cm <sup>3</sup>	Ø 40 x 240 mm	Pointed nozzle
60 cm <sup>3</sup>	Ø 30 x 115 mm (plastic)	Funnel/hydraulic nozzle

Part No

11001  
11002  
11003  
11004  
11005  
11025

11001



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
<b>Standard</b> Lever grease pump, basic version 11205 with 200 mm grease hose - part.no 14042 11205 with 300 mm grease hose - part.no 14043 11205 with 450 mm grease hose - part.no 14044 11214 grease pump with 1000 cm <sup>3</sup> container	<b>0,8 g/stroke</b>	<b>350 bar</b>
<b>Lever Grease Pump "Speedy Grease" with magnet. (not for bulk grease)</b> Lever grease pump with hose, fitting and followers. Follower 24 pcs	<b>2,5 g/stroke</b>	<b>350 bar</b>
<b>Lever Grease Pump, Industry</b> Lever grease pump with bleeder nipple and hydraulic coupling 11210 with 300 mm grease hose (part.no 14043).	<b>0,8 g/stroke</b>	<b>700 bar</b>
<b>Lever Grease Pump 750, Heavy duty</b> Lever grease pump with a comfortable handle, bleeder nipple, hose and hydraulic coupling. Delivered in a stylish box.	<b>0,8 g/stroke</b>	<b>750 bar</b>
<b>Lever Grease Pump, Professional Duty</b> Lever grease pump with bleeder nipple and hydraulic coupling	<b>1,3 g/stroke</b>	<b>700 bar</b>
<b>Lever Grease Pump, Extra Heavy Duty</b> Lever grease pump with bleeder nipple and hydraulic coupling	<b>1,1 alt 1,7 g/stroke</b>	<b>700 bar</b>

11205  
1120510  
1120520  
1120530  
11214



11205



11214



11207

11207  
1315625

11210  
1121020



11210

11750



11750

11220



11220

11230



11230

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

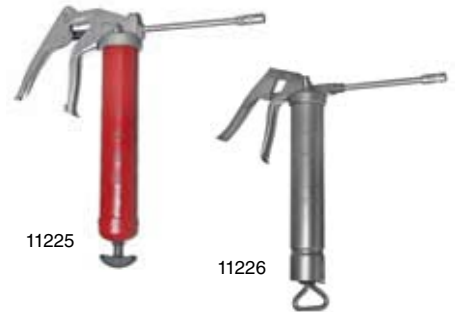
## Hand and Air operated Grease Pumps

### 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.

Mode

Model	Capacity approx.	Max pressure	Part No
Standard	0,7g/stroke (NLGI 2)	45,5 MPa (455 bar)	<b>11226</b>
Industry	0,8 g/stroke (NLGI 2)	45,5 MPa (455 bar)	<b>11225</b>



### 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.)	Part No
Air operated grease pump	1 MPa (10 bar, 150 psi)	Spring	Rigid	500 cm <sup>3</sup>	<b>12517</b>
Air operated grease pump	1 MPa (10 bar, 150 psi)	Air driven	Hose	1.000 cm <sup>3</sup>	<b>12527</b>



### Grease Outlet Hoses

High pressure hose, 3/16"i.d. Nitrile rubber with one Nylon braid PN 50 Mpa (500 bar) and swaged couplings.

Description	Hose length	Connection thread	Part No
Outlet hose	200 mm	G 1/8" (male-male)	<b>14042</b>
Outlet hose	300 mm	G 1/8" (male-male)	<b>14043</b>
Outlet hose	450 mm	G 1/8" (male-male)	<b>14044</b>
Outlet hose with relief valve			<b>14044AVLAST</b>
Outlet hose	1.000 mm	G 1/8" (male-male)	<b>14047</b>
Outlet hose	2.500 mm	G 1/8" (male-male)	<b>14052</b>
Adapter (0105-2)	-	G 1/8" (female-female)	<b>25101915</b>



### 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 60 kg drums (350-395 mm)

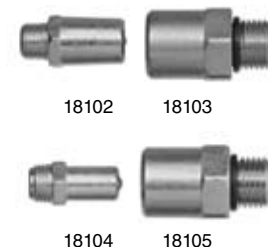
**11710**  
**11711**  
**11712**



### Loader Nipple

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

Description	Connection thread	Part No
<b>Size Ø 12 mm</b>		
Loader nipple for lever pumps	G 1/8"(m)	<b>18102</b>
Loader valve for the loader pump, to be used with nipple 18102	G 1/4"(m)	<b>18103</b>
<b>Size Ø 9 mm</b>		
Loader nipple for lever pumps	G 1/8"(m)	<b>18104</b>
Loader valve for the loader pump, to be used with nipple 18104	G 1/4"(m)	<b>18105</b>





## Cordless Grease Pump

### 12 Volt Cordless Grease Pump

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 150 gr/min. Delivered with a high-capacity 12 V NiCd battery (1.500 mAh), one-hour fast charger, 1 metre high pressure flexible hose with hydraulic coupler, bleeder valve and loader nipple. Delivered in a heavy duty carrying case (Total weight 6,2 kg) with space for an extra battery and cartridge.

Description	Max capacity	Max Pressure	Weight
Grease pump	150 gr/min.	45 MPa (450 bar)	3,0 kg
Extra battery			
Grease pump with meter 14710			
Extra hose			

#### Part No

13511  
1355004  
13520  
1355001

13511



13520



### 18 Volt Cordless Grease Pump, NiMn 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 8 cartridges per battery charge. Supplied with two high-capacity (NiMn) 18 V batteries, fast charger, 0,75 metre high pressure flexible hose with hydraulic coupler, bleeder valve and loader nipple. All delivered in a heavy duty carrying case (Total weight 8,4 kg).

Description	Max capacity	Max Pressure	Weight
Grease pump	160 gr/min.	45 MPa (450 bar)	3,4 kg
Extra battery			
Grease pump with meter 14710			
12 V Charger			

13515  
1355010  
13525  
1355009



### 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 8 cartridges per battery charge. Supplied with two Li-Ion high-capacity 18 V batteries, fast charger, 0,75 metre high pressure flexible hose with hydraulic coupler, bleeder valve and loader nipple. All delivered in a heavy duty carrying case (Total weight 8,4 kg).

Description	Max capacity	Max Pressure	Weight
Grease pump	160 gr/min.	45 MPa (450 bar)	3,2 kg
Extra battery			

13516  
1355020



## Grease Nozzles

### Grease Outlet Tube

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

Description	Diameter	incl nozzle	jaws	Part No
Outlet tube only, L=140 mm	Ø 10 mm	-	-	<b>14715</b>
Outlet tube + nozzle, L=140 mm	Ø 15 mm	14512	4 st	<b>14517</b>
Outlet tube + nozzle, L=140 mm	Ø 18 mm	14514	3 st	<b>14519</b>



### Hydraulic Nozzle

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

Description	Diameter	Jaws	Comment	Part No
Hydraulic nozzle	Ø 15 mm	4 st		<b>14512</b>
Hydraulic nozzle	Ø 15 mm	4 st	Non return valve	<b>14516</b>
Hydraulic nozzle	Ø 18 mm	3 st		<b>14514</b>
Hydraulic nozzle	Ø 14 mm	3 st		<b>14560</b>
Hydraulic nozzle	Ø 18 mm	3 st	adjustable 360°	<b>14001</b>
Release valve, for releasing of looked nozzles				<b>14523</b>
Release valve, for releasing of looked nozzles, Straight				<b>14528</b>

14512 / 14516



14514



14560



### Slip-Sleeve Connectors

For easy change of different nozzles.

Description	Connection	Part No
Slip-Sleeve connector for 14514	G1/8" (m)	<b>14015</b>
Slip-Sleeve connector for 14514	G1/8" (f)	<b>14016</b>
Slip-Sleeve connector for 14514	Ø 10 mm for cardan joints	<b>14017</b>
Slip-Sleeve connector for 14514	90° with nozzle 14512	<b>14018</b>
Slip-Sleeve connector for 14514	90° with nozzle 14514	<b>14019</b>
Slip-Sleeve connector for 14512	Needle 45 mm	<b>14070</b>



### Slip-Sleeve, Needle Nozzles

For connection to all hydraulic nozzles.

Description	Needle	Length	Part No
Slip-Sleeve Needle nozzle	Ø 6 mm	33 mm	<b>14071</b>
Slip-Sleeve Needle nozzle	Ø 6 mm angel 45°	33 mm	<b>14072</b>
Slip-Sleeve Needle nozzle	Ø 1,5 mm	45 mm	<b>14073</b>
Slip-Sleeve Needle nozzle	Ø 2 mm	45 mm	<b>14074</b>
Kit of all four in a plastic box			<b>14076</b>

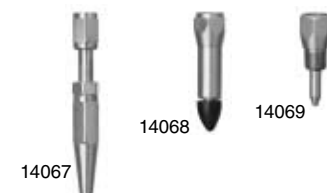
14071 14072 14073 14074



### Needle Nozzles

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

Description	Part No
Needle nozzle with protection	<b>14067</b>
Needle nozzle with rubber tip	<b>14068</b>
Needle nozzle	<b>14069</b>



### Button Head Nozzles

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

Description	Nipple head	Height	Sealing	Part No
Button Head	Ø 16 mm, 15 mm 6-hex	20 mm	Rubber	<b>14045</b>
Button Head	Ø 16 mm, 15 mm 6-hex	21 mm	Metallic	<b>14046</b>
Button Head	Ø 16 mm, 15 mm 6-hex	22 mm	Rubber	<b>14055</b>
Button Head	Ø 22 mm	28 mm	Rubber	<b>14050</b>
Button Head	Ø 22 mm	44 mm	Rubber	<b>14056</b>
Button Head	Ø 22 mm	21 mm	Metallic	<b>14057</b>
Packing Kit for 14056				<b>398726</b>

14045



14046



14055



14050



14056



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

### Zee Lite

Grease pump light, fits to the outlet tube on the grease pump, helps to locate grease fittings in dark places.

The intense, focused beam, can swivel through 360° and tilt 90°. 100 hours battery life, LED ( no bulb to replace).

Weight 30 grams.

53001



### Grease Paddle

Tool that helps you to clean the drum walls in a drum when it is nearly empty. Length: 1.000 mm

11050



## 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

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
500			Ø 6 mm	Drive fitting
501			Ø 8 mm	Drive fitting
502			Ø 5/16"	Drive fitting



509 / 509F

547K

525

### Grease Fitting Selection

19002 contains 350 fittings selected from the 17 most commonly used hydraulic fittings. The box is made of crush proof plastic.

19009 contains 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.

#### Description

Grease fitting selection, complete with 350 fittings.  
Grease fitting selection, with basic 140 fittings.

19002  
19009



19009

19002

### Protection Cover for Grease Fittings

Protects hydraulic grease fittings from ingress of dirt.

#### Description

Protection for grease fittings

P499



## 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

Part No



129

112

119B

## 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



211

ND6160

A1186

ND6151

## 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



25 mm

## Fitting Tool

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

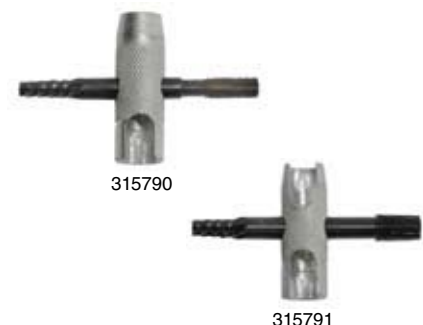
### Description

Fitting tool 1/4" - 28" SAE

Fitting tool 1/8" NPT

315790

315791



315790

315791

## Installation Accessories

### 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	
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	
40	12852	<b>28590</b>
30	12750, 12751, 12752, 12755, 12756, 12757, 12650-52	<b>28591</b>
26	12540, 12541, 12542	<b>28586</b>



### 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	
12,5-20 kg	275 - 305 mm (prepared with 2 extra holes for fixation of carrying handle).	<b>18527</b>
18-20 kg	290 - 327 mm	<b>18528</b>
50 kg	345 - 380 mm	<b>18532</b>
50 kg	360 - 405 mm	<b>18526</b>
180 kg	560 - 605 mm	<b>18525</b>

Spare screw kit (3 screws)

Carrying handle for 18527

T-screw kit for plastic buckets (20 kg)

**1485016**

**1125357**

**1385111**

18525



18527



1385111



1125357

## Typical Assembly and Accessories

### 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
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

Part No

18569  
18570  
18575  
18571  
18572  
18573



### Adapter for Follower Plates

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

Grease Pumps series 126-127 series  
Grease pump 12852

18565  
18566

18565



### Fluidbag Connection

For grease pump 12852

18078

### 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)

14527



### 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),

#### Description

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

18107  
18110  
18112

18107



### By-pass Hose

Mainly used in two-line centralized lubricating systems to feed grease back to the follower plate.

18109



### Typical Assembly

The picture shows a complete grease pump assembly for 180 kg drums in a centralized lubrication system.

#### It consists of the following parts:

- 1 Grease pump
- 2 Drum cover
- 3 Follower plate
- 4 Adapter
- 5 By-pass hose
- 6 Outlet hose

12752  
18525  
18573  
18565  
18109  
18107



For information, contact us!

Notes:

Lined area for notes with horizontal dashed lines.





## 3 Waste Oil

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Pit Systems .....	53
Pit Platform & Lift .....	55
Waste Oil Containers and Trolleys .....	56
Suction Units, Hand Operated Pumps .....	59
Air Operated Vacuum Pump .....	60

## 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)
<b>Weight</b>	22802 - 2,8 kg 22575 - 4,9 kg

Part No

22802  
22575

22802

22575



### Suction & Waste Oil Pump 2:1

Double acting, air operated oil pump for non-corrosive liquids, waste oil etc. For wall installation. The pump is designed to create maximum vacuum and will not rush when there is no liquid in the suction side.

<b>Pressure ratio</b>	2:1
<b>Capacity</b>	Max 60 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" Outlet G3/4"
<b>Weight</b>	(approx.) 10 kg

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

22780

22780



### Wall Mounted Pump Installation Kit

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

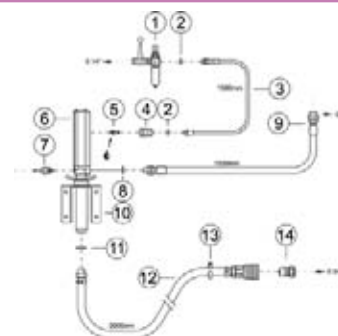
With air treatment unit and oil filter (29300)

Without air treatment unit and oil filter

**NOTE! Pump not included.**  
Select a pump 22700, 22802 or 22575.

99631

99731



### Floor Mounted Pump Installation Kit

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

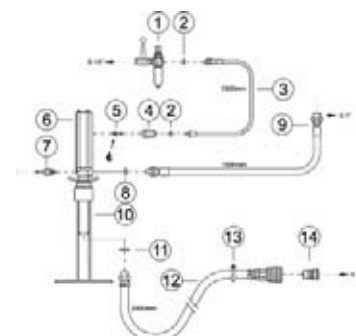
With air treatment unit and oil filter (29300)

Without air treatment unit and oil filter

**NOTE! Pump not included.**  
Select a pump 22700, 22802 or 22575.

99632

99732



### 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 50 l/min., free flow, at 0,7 MPa, (7 bar).  
 Max 100 l/min., free flow at 0,7 MPa (7 bar).

**Air pressure** 0,3 MPa (3 bar) - 0,7 MPa (7 bar)

**Connections** Air: G3/8" (f)  
 Oil: 22210 inlet-outlet G1/2" (f)  
 22310 inlet-outlet G1" (f)

**Weight** 22210 - 3,5 kg  
 22310 - 7,2 kg

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

### 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.

**With air treatment unit and oil filter (29300)**

**Without air treatment unit and oil filter**

**NOTE! Pump not included.**

### Waste Oil Suction Kit with Suction Probes and Hose Reel

Complete kit to drain waste oil using probes. The kit includes the following: hose reel, 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.

**Description**

Waste oil suction kit with suction probes

Part No

22210  
 22310

22310



98876

99661  
 99761



SPEC6044

2295014



29715



## 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>	1¼" 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

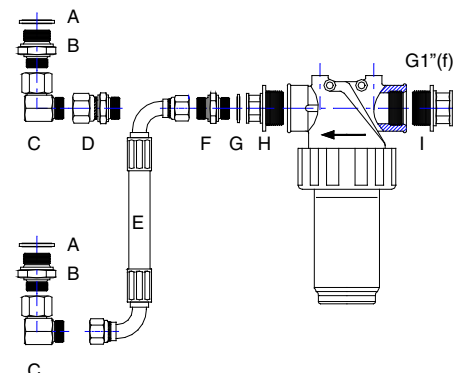
2490172

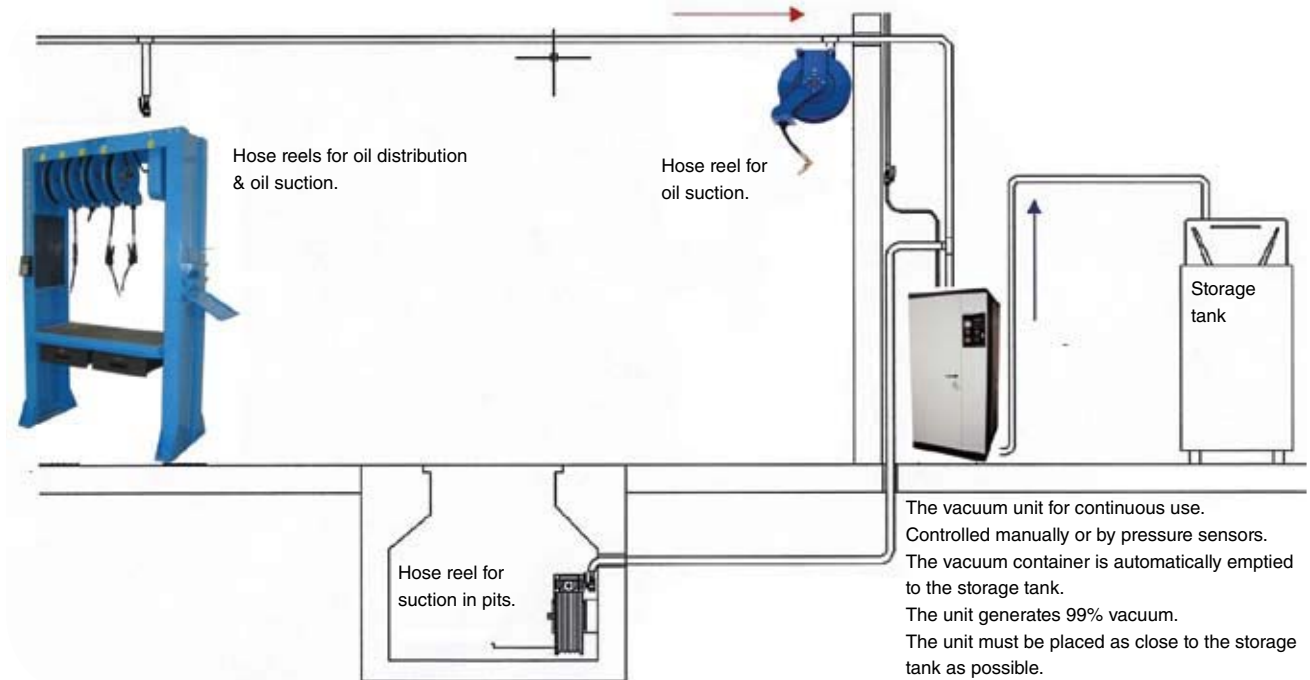
2490173

Gauges  
2326013 not  
included



29300





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

High Vacuum automatic unit for use in centralised 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 220 - 240 V power supply once the discharge to the waste oil storage tank pipeline and the vacuum pipeline have been installed.

- Vacuum reservoir that can be pressurised up to 8 bar to discharge once it is full with waste oil.
- Reservoir includes two level sensors that control the automated 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.**

### Beskrivning

Vacuum unit for 1 to 3 work places in simultaneous use.

L x B x H 750 x 550 x 1.350 mm

Vacuum unit for up to 8 work places in simultaneous use.

L x B x H 1.200 x 800 x 1.850 mm



### Part No



29725



29735

## 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	1/2"	10 m
Series ORK	3/4"	6 m

Part No

24470  
24472



### 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	1/2"	10 m
Series ORS	5/8"	6 m

24460  
24462



### Hose Reel for Waste Oil Suction

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

Beskrivning	Slang diam.	Slanglängd
Series CRO	1/2"	10 m
Series CRO	5/8"	6 m

24450  
24452



### 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 1.200 mm long plastic probe Ø 8 mm.

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).

Same suction hose but without accessories.

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

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

2295014

2295104

2295014

2295104

2195075

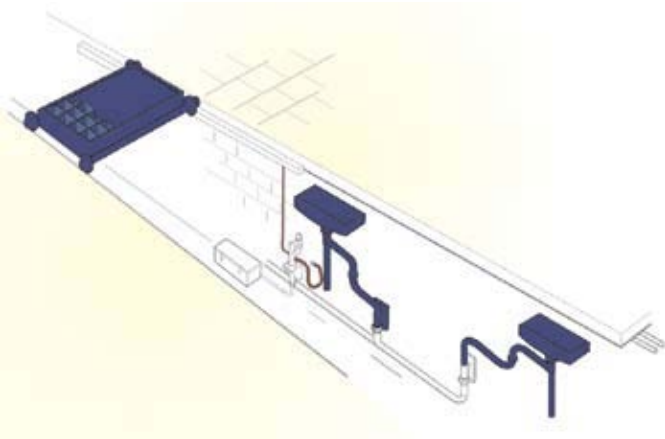
29312

29312



### Waste Oil Handling in Pits

The illustration shows different solutions.



## Pit Waste Oil Equipment

### 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

Part No

29710  
 2395069  
 2395080



### 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)

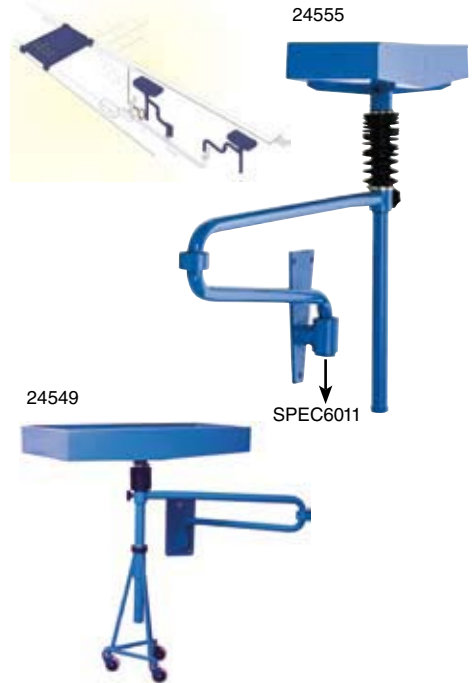
24555

### 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



### Collection Bowl in an Open Rail

An alternative solution with an open rail system, the rail can be provided with a cover brush. Bowl dimension 700 x 300 mm (appr 30 l). To be connected to Spec6011 (see below).

#### Description

6 meter open rail with connection parts and coverbrush  
 6 meter rail with connection parts without coverbrush  
 End kit ( lid and end connection)  
 Bowl with arm

29743  
 29741  
 29742  
 29740



### 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	<b>Pump:</b> Air inlet G1/4" (f)
	Oil outlet G3/4" (f)
	Oil inlet G1" (f)
<b>Tank:</b>	Oil inlet (from 24555 or rail system) G1 1/2" (f)
	Oil outlet (to pump) G1" (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
Waste oil unit for pit use	55 liter	880-1.380 x 660 x 190 mm	31 kg

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

Part No

29068



29068  
29003  
29108

29003



### 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

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. The vacuum unit can be 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

#### Part No

29505

29507

29508

29517



29505



29507



29508

### 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

29405

29407

29408

29417



29405



29407



29408

**For other configurations, contact us!**

## 24 l 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

29049

29049



## 35 l 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

29551

29551



## Basic Waste Oil Unit

95 l capacity waste oil unit with approx. 20 l capacity adjustable height collector bowl. With the addition of various accessories to the base unit, a number of models are available.

### Description

29520 with gravity discharge through a valve and angled outlet tube  
 29520 with quick coupling nipple. Emptied with SPEC 6025 or 6026.

29521  
 29526



29526

29521



## 65 l 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.

29430



## Accessories for the 295 and 294 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 1.200 mm long plastic probe Ø 8 mm.

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

Pump kit for pumpaway, to be fitted on to the unit (29505, 29405).

Pump 22700 included.

Pump kit for pumpaway and suction from engines, to be fitted on to the unit (29505, 29405). Pump 22802 included.

Waste oil filter, for use on waste oil containers to prevent contamination from entering the pump.

2295014  
 2295017

29320

29325

29310

2295014



2295017



## Waste Oil Equipment

### 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,	55 l	1.000 x 660 x 210 mm	29 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

29075

29001

29073

29108



29077



29075



29001



29073

### 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 (29075), liquid pump (22720), strainer (28022), hoses and necessary accessories.

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

29004



### "Filter rug"

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

29139

1060 mm (42")

400 mm (16")



Texture

## 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	
Oil Drain & Parts cleaning pan	8 l	21635
Oil Drain & Parts cleaning pan	14 l	21619
Oil Drain pan	8 l	21509
Oil Drain extra low 6 cm pan	20 l	21664

21635



21619



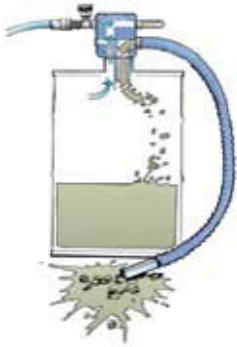
21509



21664



## Vacuum Pump



### 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).

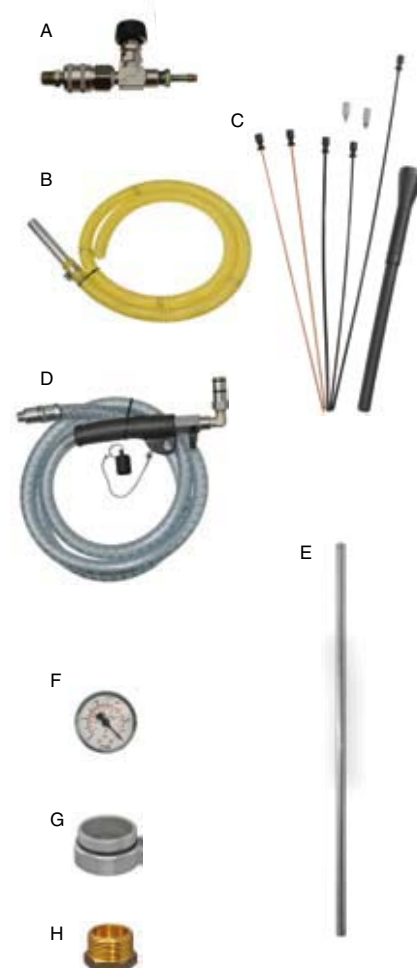
Description	Connection
Vacuum pump, with suction hose, air connection kit and suction probes	Air: 1/4" hose socket

Part No



## Accessories for Vacuum Pump

Pos	Description	Remark	Part No
A	Air connection kit	Consisting of shut-off valve, gauge, nipple, quick coupling and hose clamp	22587
B	Suction hose	Consisting of hose (Ø 25 mm, length 2,2 m) and aluminium tube length 200 mm	22588
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	2295014
C	Suction probe kit	same as above with a wall bracket	28291
D	Suction hose	2 m suction hose with handle and valve to be used with suction probe kit 2295014	2295018
E	Suction tube	Aluminium, length approx. 1 m	2090151
F	Gauge	Indicates vacuum, 0 to -1 bar	2326013
G	Bung adapter	To be used when the vacuum pump is frequently moved between different containers	2085147
H	Reducer	To be used when connecting the suction hose to the vacuum pump	25201297



## 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.)	Part No
OriCan	150 x 385 x 600 mm	60 l/min.	16 l	4,3 kg	22590

## Tillbehör OriCan

Description	Volume (approx.)	Part No
OriCan, container only	16 l	1085112
Pump adapter, G 2" (f) - G2" (f)		1085076

22590



**Notes:**

A large rectangular area with a purple border and rounded corners, containing numerous horizontal dashed lines for writing notes.





## 4 Air

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## Spring Operated Hose Reels

### Series ORK, ORM

Open hose reel.

	Length	Diameter	Conn. threads		Work. Pressure		
	m	mm-inch	In	Out	MPa	bar	
Series ORK	10	10 - 3/8"	G1/2" (m)	G1/4" (m)	1,5	15	<b>44231</b>
Series ORM	15	12,5 - 1/2"	G1/2" (m)	G1/2" (m)	1,5	15	<b>44241</b>

Part No



### Series ORS

Open hose reel in aluminum and composite.

	Length	Diameter	Conn. threads		Work. Pressure		
	m	mm-inch	In	Out	MPa	bar	
Series ORS	10	10 - 3/8"	G1/2" (m)	G3/8" (m)	2,0	20	<b>744210</b>
Series ORS	15	10 - 3/8"	G1/2" (m)	G3/8" (m)	2,0	20	<b>744220</b>
Series ORS	15	12,5 - 1/2"	G1/2" (m)	G1/2" (m)	2,0	20	<b>744240</b>



### 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	Diameter	Conn. threads		Work. Pressure		
	m	mm-inch	In	Out	MPa	bar	
Series OR	20	12,5 - 1/2"	G1/2" (m)	G1/2" (m)	1,8	18	<b>44240</b>



### Series ORB

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

	Length	Diameter	Conn. threads		Work. Pressure		
	m	mm-inch	In	Out	MPa	bar	
Series ORB	15	25,4 - 1"	G1" (f)	G1" (f)	1,5	15	<b>44453</b>
Series ORB	30	12,5 - 1/2"	G1/2" (f)	G1/2" (f)	1,5	15	<b>44452</b>



## 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 m	Diameter mm-inch	Conn. threads		Work. Pressure		Part No
			In	Out	MPa	bar	
Series CRO	10	10 - 3/8"	G1/2" (m)	G3/8" (m)	2,0	20	644210
Series CRO	15	10 - 3/8"	G1/2" (m)	G3/8" (m)	2,0	20	644220
Series CRO	15	12,5 - 1/2"	G1/2" (m)	G1/2" (m)	2,0	20	644240



## Series CRS

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

	Length m	Diameter mm-inch	Conn. threads		Work. Pressure		Part No
			In	Out	MPa	bar	
Series CRS	12	8 - 5/16"	Hose 5/16"	G1/4" (m)	2	20	44205
Series CRS	15	8 - 5/16"	Hose 5/16"	G1/4" (m)	2	20	44206
Series CRS	10	10 - 3/8"	G3/8" (m)	G3/8" (m)	2	20	44210



*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, complete, assembled	G1/4" (f)	42107, 42009, 42108, 42110	<b>42105</b>
Air treatment unit	G1/4" (f)	42107, 42108, 42112	<b>42104</b>
Air treatment unit	G1/4" (f)	42107, 42009, 42110	<b>42103</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>



### Accessories

Description	Part No
Wall bracket, for filter-regulator (Part No 42107)	<b>42110</b>
Pressure gauge, ø 40 mm, 0-1,6 MPa (0-16 bar), Conn. thread G1/8" (m)	<b>42112</b>
Adapter, G 1/8" (m)	<b>301296</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>



### 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	Weight (approx.)	Part No
Blow gun	G1/4" (f)	100 g	44503



### Tyre Inflator

For connection to a pneumatic line. The pressure gauge 0,7 -10 bar (10 - 170 psi), is protected by a rubber cover. Delivered with 0,3 m hose and air nozzle.

Description	Conn. thread	Pressure range	Hose length	Weight (approx.)	Part No
Däckpåfyllare	G1/4" (f)	0,7-10 bar	0,3 m	0,9 kg	44635



### Tyre Inflator, Heavy Duty

For connection to a pneumatic line. Delivered with a hose and air nozzle.

Description	Conn. thread	Pressure range	Hose length	Weight (approx.)	Part No
Tyre inflator, cars	G1/4" (f)	0-9,6 bar	0,5 m	1, 2 kg	44634
Tyre inflator, trucks	G1/4" (f)	3-21 bar	2 m	1,5 kg	44636



### 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 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.	1,5 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" (f)
5/16"	G1/4" (f)
3/8"	G1/4" (f)
1/4"	G3/8" (f)
5/16"	G3/8" (f)
3/8"	G3/8" (f)
1/2"	G3/8" (f)
1/4"	G1/2" (f)
3/8"	G1/2" (f)
1/2"	G1/2" (f)
3/4"	G1/2" (f)

#### Part No

48510
48511
48512
48540
48541
48542
48543
48603
48600
48601
48602



### Quick-Coupling

Thread
G1/4" (f)
G3/8" (f)
G1/2" (f)

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

Description	Connection
Nipple	G1/4" (m)
Coupling	G3/8" (f)
Nipple	G3/8" (f)
Coupling	G1/2" (f)
Coupling	G1/2" (m)
Nipple	G1/2" (f)
Coupling	Hose Ø 10 mm
Nipple	Hose Ø 10 mm
Coupling	Hose Ø 13 mm
Nipple	Hose Ø 13 mm

103205152
103201204
103205204
103201205
103201155
103205205
103201004
103205004
103201005
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)
Mixing pump 70/30	Appr. 15 l/min. free flow at 0,7 MPa (7 bar)
Mixing pump 50/50* Diaphragm Pump (22221)	Appr. 20 l/min. free flow at 0,7 MPa (7 bar)

\* Can vary depending on fluid.

Part No

24890

24893

24895



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



Water operated mixing unit with ejector for glycol and 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.

### Diaphragm Mixing Pump 1:1 Ratio



Air operated mixing pump for mixing and transferring different liquids.

#### Pressure ratio 1:1

<b>Capacity</b>	Max 50 l/min., free flow at 0,7 MPa (7 bar).
<b>Air pressure</b>	0,3 MPa (3 bar) - 0,7 MPa (7 bar)
<b>Connections</b>	Air: G3/8" (f) Liquid: inlet 2x G3/8" (f) outlet G1/2" (f)

**Weight** ~ 3,5 kg

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

22221

22226

22221





## 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.



<b>Pressure ratio</b>	4 :1
<b>For connection to</b>	Tank or drum
<b>Capacity</b>	Max 30 l/min. (free flow, air pressure 0,7 MPa, water)
<b>Air Pressure</b>	Max 1 MPa (10 bar)
<b>Connections</b>	Air: G 1/4" (f) Fluid: Outlet G1" (f) - Inlet (foot valve) G1" (f)
<b>Weight (approx)</b>	9,0 kg
<b>Accessories</b>	Suction tube (Stainless Steel), length 500 mm, G1" (m), part No 2226294

### Material list

Pump part	Material
Air motor	Aluminium
Liquid parts (in- and outlet)	Stainless Steel, ISO 2343/2346 (DIN 1.4436/1.4305)
Seals	Teflon <sup>®</sup>
Central bar	Chromated Stainless Steel, ISO 2333 (DIN1.4101)

### Description

Stainless Steel stub pump  
 Stainless Steel pump complete with suction tube (2226214)

Atex  Classified Stainless Steel stub pump  
 Atex  Classified Stainless Steel pump complete with suction tube (2226214)

*We recommend the use of air lubricator for pumps with separated air motors.*

Part No

22770



22775



22770  
 22775

22771  
 22776

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

Corrosion protected, air operated, double acting liquid pump.  
 Bung adapter G 2" (m) (Part No 28595) included.

<b>Pressure ratio</b>	1 :1
<b>For connection to</b>	Tank or drum
<b>Capacity</b>	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
<b>Air Pressure</b>	Max 1 MPa (10 bar)
<b>Connections</b>	Air: G1/4" (f) Oil: Outlet G3/4" (f) - Inlet (foot valve) G1" (f)
<b>Weight (approx)</b>	3,0 kg
<b>Accessories</b>	Suction tube (Stainless Steel), length 500 mm, G1" (m), part No 2226294

### Material list

Pump part	Material
Air motor	Aluminium
Liquid parts (in- and outlet)	Nickel plated steel
Seals	Nitrile and Polyurethane
Central bar	Nickel plated aluminium

### Description

Liquid pump  
 Liquid pump complete with suction tube (2226294)

22720



22725



22720  
 22725

# 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     **99625**  
 Without Air treatment unit     **99725**

With Air treatment unit     **99675**  
 Without Air treatment unit     **99775**

Part No



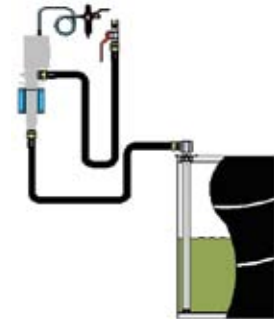
## Wall Mounted Pump Installation Kit

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     **99626**  
 Without Air treatment unit     **99726**

With Air treatment unit     **99676**  
 Without Air treatment unit     **99776**



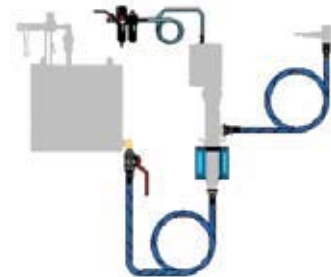
## Wall Mounted Pump Installation Kit

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     **99630**  
 Without Air treatment unit     **99730**



## Air Operated Diaphragm Pump 1:1

Air operated pump for transferring different liquids.

**Pressure ratio 1:1**

**Capacity** Max 50 l/min., free flow, at 0,7 MPa, (7 bar).  
 22318 Max 100 l/min., free flow, at 0,7 MPa, (7 bar).

**Air pressure** 0,3 MPa (3 bar) - 0,7 MPa (7 bar)

**Connections** Air: G3/8" (f)  
 Liquid: inlet-outlet G1/2" (f) - 22318 G1" (f)

**Weight** ~ 3,5 kg 22318 ~7,2 kg

Description	Capacity		Part No
Diaphragm Pump of Aluminium/Nickel plated	Max 50 l/min.	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<b>22211</b>
Diaphragm Pump of Acetal	Max 50 l/min.	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<b>22216</b>
Diaphragm Pump of Polypropylene	Max 50 l/min.	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<b>22215</b>
Diaphragm Pump of Acetal, Atex	Max 50 l/min.	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<b>22218</b>
Diaphragm Pump of Acetal, Atex	Max 100 l/min.	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<b>22318</b>

22216



## Wall Mounted Pump Installation Kit

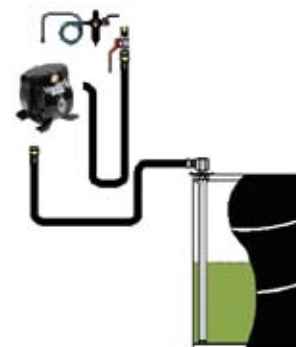
Components for a remote wall mounted air operated pump with drum suction attachment (205 l drum).

**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     **99666**  
 Without Air treatment unit     **99766**

With Air treatment unit     **99668**  
 Without Air treatment unit     **99768**



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" (m) - G3/4" (m).

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

## Series ORM

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

Length	Diameter	Conn.	Work. Pressure			Part No
			MPa	bar		
m	mm-inch	threads				
15	10 - 3/8"	G3/8" (f)	18	180	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>24935*</b>
15	10 - 3/8"	G1/2" (f)	7,5	75	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<b>24445</b>

## Series ORS

Length	Diameter	Conn.	Work. Pressure			Part No
			MPa	bar		
m	mm-inch	threads				
10	10 - 3/8"	G3/8" (m)	1,5	15	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>744210</b>
15	10 - 3/8"	G3/8" (m)	1,5	15	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>744220</b>
15	12,5 - 1/2"	G1/2" (f)	1,5	15	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>744240</b>
13	10 - 3/8"	G3/8" (f)	18	180	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>724951*</b>
10	10 - 3/8"	G1/2" (f)	7,5	75	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<b>724440</b>
15	10 - 3/8"	G1/2" (f)	7,5	75	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<b>724445</b>

## Series OR

Length	Diameter	Conn.	Work. Pressure			Part No
			MPa	bar		
m	mm-inch	threads				
20	12,5 - 1/2"	G1/2" (m)	1,8	18	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>44240</b>
<b>Stainless Steel Reels</b>						
20	10 - 3/8"	G3/8" (f)	18	180	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>24957*</b>

## Series LOR

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

Length	Diameter	Conn.	Work. Pressure			Part No
			MPa	bar		
m	mm-inch	threads				
25	10 - 3/8"	G3/8" (f)	40	400	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>24961*</b>
25	12,5 - 1/2"	G1/2" (f)	30	300	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>24963*</b>
<b>Stainless Steel Reel</b>						
25	12,5 - 1/2"	G1/2" (f)	30	300	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>24965*</b>

## Series CRO

Length	Diameter	Conn.	Work. Pressure			Part No
			MPa	bar		
m	mm-inch	threads				
15	10 - 3/8"	G3/8" (m)	1,5	15	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>644220</b>
15	12,5 - 1/2"	G1/2" (m)	1,5	15	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>644240</b>
13	10 - 3/8"	G3/8" (f)	18	180	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>624951*</b>
10	10 - 3/8"	G1/2" (f)	7,5	75	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<b>624440</b>
15	10 - 3/8"	G1/2" (f)	7,5	75	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<b>624445</b>

## Series CRS

Length	Diameter	Conn.	Work. Pressure			Part No
			MPa	bar		
m	mm-inch	threads				
12	8 - 5/16"	G1/4" (m)	2	20	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>44205</b>
15	8 - 5/16"	G1/4" (m)	2	20	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>44206</b>
10	10 - 3/8"	G3/8" (m)	2	20	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<b>44210</b>

Water  Anti Freeze  Windshield Wash  Detergents

(Concentrated Glycol; see the Oil Section)

Part No



44240

24957



24965



\* Kan användas för hetvatten.  
För mer information se slangupprullare kapitlet!

## 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 (24140) ● ● ● ●

- 2468060
- 2468061
- 2468064
- 24142



### 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 Nozzle

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 for 1/2" hose connection in brass                          | 10 bar              | ● ○ ○ ○ | <b>28268</b>   |
| <b>Should not be under pressure when closed!</b>                       |                     |         |                |
| Bare hose adapter G1/2" (m) with 60° cone                              |                     | ● ○ ○ ○ | <b>2085398</b> |
| Wash nozzle for 1/2" hose connection in brass, O-ring sealed           | 16 bar              | ● ○ ○ ○ | <b>28368</b>   |
| Wash nozzle for 1/2" hose connection in stainless steel, O-ring sealed | 16 bar              | ● ○ ○ ○ | <b>28369</b>   |

28268



28368



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 3 MPa (30 bar).

**Description**

- Wash handle for 1/2" hose connection in brass ● ○ ○ ○
- Wash handle for 3/4" hose connection in brass ● ○ ○ ○

- 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



Part No

24029  
550012



### Spray Handle (24680) with Spray Tube

Spray Handle with Spray tube.  
Designed for use with detergents. Consists of a thermoplastic valve body with a 915 mm outlet tube of stainless steel. Two different spray nozzles for water- and petroleum based detergents. Connection G1/2" (f).

#### Description

Spray handle with spray tube  
Spare adjustable nozzle




24099  
550012



### 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.)		Part No
Spray dispenser	approx. 24 l	350 x 380 x 780 mm	11,5 kg		22420

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

22420



## 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 kg
Sprayer	10 l	6 bar	Compressor/hand pump	4,7 kg

### Accessories

Trolley for above

## Sprayer

Sprayer in polyethylene with 40 cm spray nozzle. The pressure is generated by a hand pump.

Description	Volume	Work. Pressure	Pressure Generator	Weight
Sprayer	5 l	3 bar	Hand pump	1,8 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	Weight
Industry Sprayer	1,5 l	3 bar	Hand pump	400 gr
Universal Sprayer	1,5 l	3 bar	Hand pump	410 gr
Universal Sprayer	1,0 l	3 bar	Hand pump	365 gr
Universal 360°	1,5 l	3 bar	Hand pump	410 gr
Hand sprayer	1,0 l			90 gr

### Part No



3595F



3615F



3960



3265PP



3595F

3615F

3960

3131P



3132P



3265PP

3132PR



3132PK



3131P

3132PG


3132PK

3132PR

3111P

3111P



 Water
  Anti Freeze
  Windshield Wash
  Detergents

(Concentrated Glycol; see the Oil Section)

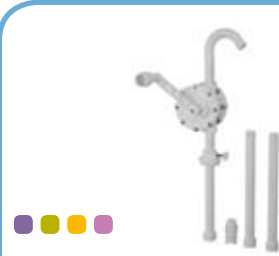
### Rotary Pump for Waterbased Fluids, Oil and Other Chemicals

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

Description	Suction tube	Suction tube	Capacity (approx.)	Weight (approx.)
	Length	Diameter		
Rotary Pump	280-1.030 mm	Ø 44 mm	0,3 l/varv	1,8 kg

Part No

21200



### Drum Pump

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 length 340-900 mm, Ø 40 mm.

Capacity (Engine oil 20 °C): Lever mounted in position: 1. 0,3 l/stroke, 2. 0,37 l/stroke, 3. 0,45l/stroke. Weight 0,85 kg.

Description	Colour	Material pump	Rod
Drum pump	black/blue	Polypropylene	Steel
Drum pump	black/green	Polypropylene	Steel
Drum pump	black	Ryton	Stainless Steel

21210  
21211  
21215



### Drum Pump

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. (\*\* Engine oil, +20 °C)

Description	Colour	Suction tube length	Suction tube diam.	Capacity (approx.)**
Drum pump	black/blue	480 - 950 mm	Ø 27 mm	0,3 l/stroke
Drum pump with viton seals	black/blue	480 - 950 mm	Ø 27 mm	0,3 l/stroke
Drum pump, AdBlue® with EPDM seals		480 - 950 mm	Ø 27 mm	0,3 l/stroke

21022  
21122  
21029

### 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.

21220  
21221

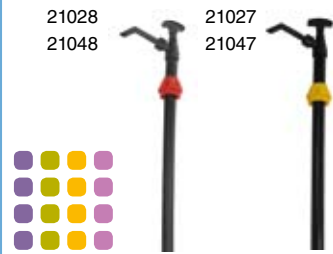


### Drum Pump

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

21027  
21047  
21028  
21048



### 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		Part No
Drum Tap, push valve	Aluminium, nitrile rubber	G2" (m)		24506



### Graduated Measures

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

Description		Part No
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		Part No
Liquid measure	1 l		21625
Liquid measure	2 l		21626
Liquid measure	3 l		21657
Liquid measure	5 l		21627



### Tin Measures

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

Description	Volume		Part No
Liquid measure	0,5 l		21636
Liquid measure	1 l		21637
Liquid measure	2 l		21638



### Containers

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

Description	Volume		Part No
Liquid measure	6 l		21644
Liquid measure	10 l		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.

Beskrivning	Volume		Part No
Oil Drain & Parts cleaning pan	8 l		21635
Oil Drain & Parts cleaning pan. Black	14 l		21619
Oil Drain. Black	8 l		21509
Oil Drain extra low 6 cm pan	20 l		21664





## Funnels & Garage Kit

### 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	Ø 300 mm	○ ● ○ ●	21634



### Garage Kit

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



## 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, 42112

#### 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	Part No
Air Line Hose	1/4" i.d.	1,5 m	G1/4"(m)	48001
Air Line Hose	1/4" i.d.	3 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 m	G3/8"(m)	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	Part No
50	22720, 22725	28595
54	22770, 22775	2125753

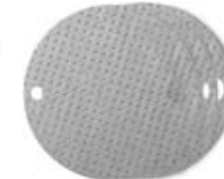


### Drum Cover Protection (205 l Drums)

Keeps drum cover and surroundings clean.

No/box	Diam.	Absorbing capacity	Weight/box	Color	Part No
25	Ø 56 cm	~2 l/st	3,6 kg	Grey	USG76
1	Ø 56 cm	~2 l/st	145 g	Grey	DTA1

48001



### Wall Bracket and Floor Stand

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

Description	Part No
Wall bracket	28524
Floor stand	28506
Wall bracket for diaphragm pumps	28553

28524

28506



### Water Inlet Filter

For installation in pipe lines to prevent contamination.

Description	Conn. threads	Max pressure	Color	Part No
Filter, 100 mesh	G3/4" (m)	14 bar	Black	28303
Spare Cartridge 100 mesh			Blue	2390196

28303

2390196



### 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	Color	Part No
G1/2" (f)	200 µm	Brass		Blue	28022
G3/4" (f)	200 µm	Brass		Blue	28059
In G3/4" (f)-Out G1/2" (f)	25 µm	Aluminium	Ø 60 x 111 mm	Blue	24583

24583

28022  
28059

■ Water   
 ■ Anti Freeze   
 ■ Windshield Wash   
 ■ Detergents

(Concentrated Glycol; see the Oil Section)

### Connection 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" ○ ● ○ ○
- Tank Connection Hose, Length 1,0 m, with one straight and one 90°-angle coupling, G1". Mainly used with pumps mounted in floor stands ○ ● ○ ○
- Connection Hose, Length 1,5 m, with two straight couplings, G1" & G3/4" ○ ● ○ ○
- Connection Hose, Length 1,5 m, with two straight couplings, G1/2" & G3/4" ● ● ● ●
- Connection Hose, Length 1,5 m, with two straight couplings, G1/2" & G1" ● ● ● ●

Part No

- 28078**
- 28080**
- 28079**
- 28639**
- 28649**



### Drum Suction Attachments

Riser tube with foot valve and G2" bung adapter.

Riser tube length	Hose length	Conn.thread		
1,08 m	2 m	G3/4"	○ ● ○ ○	<b>28310</b>
1,7 m	2 m	G3/4"	○ ● ○ ○	<b>28311</b>
1,08 m	2 m	Hose 3/4"	● ● ● ●	<b>28309</b>
-	5 m (max. 3 m tank depth)	G3/4"	○ ● ○ ○	<b>28321</b>

- 28310**
- 28311**
- 28309**
- 28321**



### Shut-off Valves

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

Conn. thread (f)	PN	Lever		
G3/8"	6,4 MPa (64 bar)	Long	● ● ● ●	<b>30101117</b>
G1/2"	6,4 MPa (64 bar)	Long	● ● ● ●	<b>30101093</b>
G3/4"	4,0 MPa (40 bar)	Long	● ● ● ●	<b>30101111</b>
G1"	4,0 MPa (40 bar)	Long	● ● ● ●	<b>30101081</b>
G1 1/4"	2,5 MPa (25 bar)	Long	● ● ● ●	<b>30101087</b>
G1 1/2"	2,5 MPa (25 bar)	Long	● ● ● ●	<b>30101084</b>
G2"	2,5 MPa (25 bar)	Long	● ● ● ●	<b>30101102</b>
G1/4"	6,4 MPa (64 bar)	Short	● ● ● ●	<b>30101129</b>
G3/8"	6,4 MPa (64 bar)	Short	● ● ● ●	<b>30101144</b>
G1/2"	6,4 MPa (64 bar)	Short	● ● ● ●	<b>30101123</b>

- 30101117**
- 30101093**
- 30101111**
- 30101081**
- 30101087**
- 30101084**
- 30101102**
- 30101129**
- 30101144**
- 30101123**



### 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

- 29020**
- 29085**
- 29095**



### Hose Storage Brackets

**Description**

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

**6027**

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

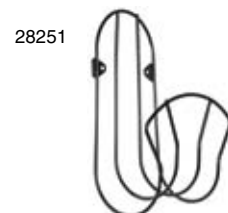
**28185**



### 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**







## 6 Diesel

Electric Diesel Pumps.....	84
Diesel Pump Accessories .....	85
Diaphragm Diesel Pumps .....	85
Spring Operated Hose Reels for Diesel.....	86

## Electric Diesel Pumps

### Wall Mounted Pump Kit 220 V / 70 l/min.

70 l/min. pump mounted on a bracket for wall or tank mounting. The unit includes a 220 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 220 V- 50 l/min.

50 l/min. pump mounted on a bracket for wall or tank mounting. The unit includes a 220 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 220 V / 50 l/min.

220 V AC diesel transfer pump equipped with 4 m delivery hose, aluminium delivery nozzle and 2 m cable.

53710



### 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



### Mobile Diesel Refuelling Unit 200 l

The ideal, economical solution for professional users, farmers, landscape gardeners, foresters, builders, etc. A safer and cleaner alternative to transport of diesel in drums for refuelling of machinery on site. Road transport permitted under exemption in ADR 1.1.3.1(c). Available ready to use.

#### Tank:

- 200 l polyethylene
- Single skin
- Low centre of gravity
- Integral nozzle holder
- Anti-foaming filler
- Integral breather
- Integral forklift runners

#### Pump:

- Self-priming 12 V electric pump approx. 40 l/min. with automatic dispensing nozzle, 4 m hose and 4 m battery fly leads pump ready-mounted.
- Optional electronic flow meter available (23610).

#### Technical data:

Measures approx. 800 x 600 x 590 mm  
 Weight (Empty): ~ 25 kg

53750



### 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.
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

23606

23607

2446080

28321

23609

23610



23609



23605



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.

<b>Capacity</b>	Max 50 l/min, free flow, at 0,7 MPa (7 bar).
	Max 100 l/min., free flow at 0,7 MPa (7 bar).
<b>Air pressure</b>	0,3 MPa (3 bar) - 0,7 MPa (7 bar)
<b>Connections</b>	Air: G3/8" (f)
	Oil: 22210 inlet-outlet G1/2" (f)
	22310 inlet-outlet G1" (f)
<b>Weight</b>	22210 - 3,5 kg
	22310 - 7,2 kg

22210

22310

22310



### Installation Kit for Diaphragm Pump

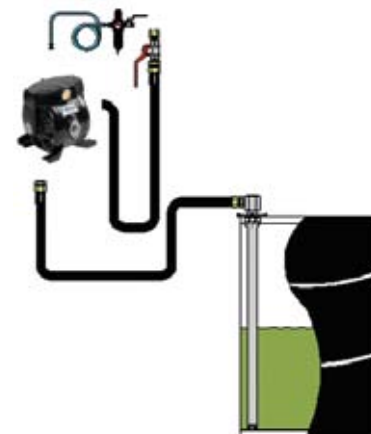
Components for an air operated Diaphragm oil pump.

With air treatment unit  
Without air treatment unit

**Note! Pump not included!**

99666

99766



## 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

24472

### 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

24931

24932

### 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

24943

24945

### 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	Working Pressure	
			MPa	bar
25	19	3/4"	7,5	75
15	25,4	1"	7,5	75

24976

24977

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

624492

### 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.

21632

21605

### Garage Funnels

#### Description

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

21606

21607

21632  
2160521606  
21607





## 7 AdBlue®

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## AdBlue® Air Operated Pumps

### Air Operated Diaphragm Pump 1:1

Air operated pump for transferring AdBlue®.  
Acetal pump with Hytrel diaphragms.

**Pressure ratio 1:1**

**Capacity** Max 50 l/min., free flow, at 0,7 MPa, (7 bar).  
**Air pressure** 0,3 MPa (3 bar) - 0,7 MPa (7 bar)  
**Connections** Air: G3/8" (f)  
 Liquid: inlet-outlet G1/2" (f)

**Weight** 3,5 kg

Part No

22216



### Electric 230 V AC Diaphragm Pump

Flow rate 35 - 40 l/min., Max working pressure 1,5 bar.

**Information:**

- Voltage 230 V (AC)
- Hose tail connection 3/4" (19 mm)
- Absence of dynamic seals
- ON/OFF switch
- 2 m cable with socket

55500



### Electrical 24 V DC Diaphragm Pump

Flow rate 35 - 40 l/min. Max working pressure 1,5 bar.  
Duty cycle 30 min.

**Information:**

- Voltage 24 V (DC)
- Hose tail connection 3/4" (19 mm)
- Absence of dynamic seals
- 2 m cable with clamps
- Handle

55510



### 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

Incl FRL-unit

Excl FRL unit

**Note! Pump not included!**

Complete kit for IBC tank, including pump, hose, valve and meter

99668

99768

SPEC7020



### Air Operated Drum Pump

Manufactured of Polypropylene and Polyethylene with Viton® seals.  
 Delivered with telescopic suction tube with G2" drum adapter and 2 m delivery hose with outlet valve.

Description	Suction tube Length	Suction tube diam.	Capacity (aprox.)
Air operated drum pump	480 - 950 mm	Ø 27 mm	20 l/min.

22049



### Series ORS

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

Length m	Diameter mm-inch	Conn. threads	Working pressure	
			MPa	bar
10	12,5 - 1/2"	G1/2" (f)	7,5	75

Part No

724971



### 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
20	12,5 - 1/2"	G1/2" (f)	Stainless steel
15	19 - 3/4"	G3/4" (f)	Painted steel

24971

24972



### 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
10	12,5 - 1/2"	G1/2" (f)

624971



### AdBlue<sup>®</sup> Nozzles

Description	Max.flow	Inlet
Automatic Nozzle	20 l/min.	G3/4" (f) with swivel
Manual Nozzle	80 l/min.	G1" (f) with swivel
Manual Nozzle	40 l/min.	G1/2" (f) with swivel

23577

23580

2468070

23577



23580



2468070



24759



### AdBlue<sup>®</sup> Meter

AdBlue<sup>®</sup> 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%  
 Max flow: 120 l/min.  
 Pressure drop: 0,15 bar  
 Max pressure: 2 MPa  
 Connection: G1" (m)  
 Can be calibrated

## AdBlue® Hand Operated Pumps

### Hand Operated Drum Pump

Manufactured of Polypropylene and Polyethylene with EPDM seals. Delivered with telescopic suction tube with G2" drum adapter and 2 m delivery hose with outlet valve.

Description	Suction tube Length.	Suction tube diam.	Capacity (approx.)
Hand operated drum pump	480 - 950 mm	Ø 27 mm	0,3 l/stroke

Part No

21029



### 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.)	Weight (approx.)
Vevpump	280 - 1.030 mm	Ø 44 mm	0,3 l/turn	1,8 kg

21200



### Drum Adapters and Accessories

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
Suction Tube	Telescopic, length max 1.100 mm (for IBC )	2410046
Hose	2 m, with shut off valve	28400



2410046





## 8 Hose Reels

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## Hose Reels, Open

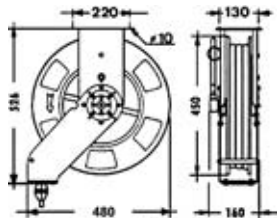
Wherever longer hoses are required it is strongly recommended that hose reels are used. There are several advantages in using hose reels, such as longer hose life, increased safety and improved efficiency.

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 blue. 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.

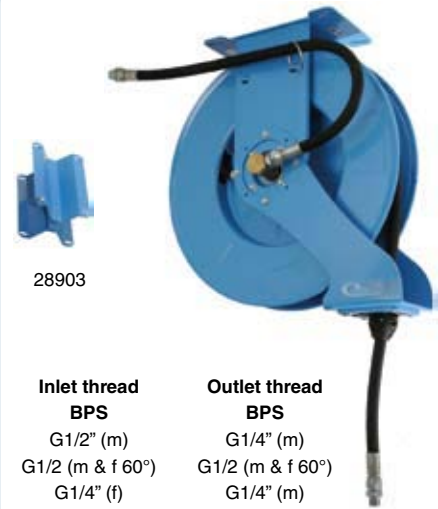


Media	Hose lengths meter	Hose dim. mm-inch	Max. pressure MPa-bar
Air/Water	10	10 - 3/8"	1,5 - 15
Oil/ Air	10	12,5 - 1/2"	7,5 - 75
Grease	10	6,35 - 1/4"	40 - 400
Waste oil suction	6	19 - 3/4"	Vacuum
Various	max. 10	without hose	7,5 - 75

Pivoting wall bracket

#### Part No

**44231**  
**24911**  
**14206**  
**24472**  
**24903**  
**28903**



28903

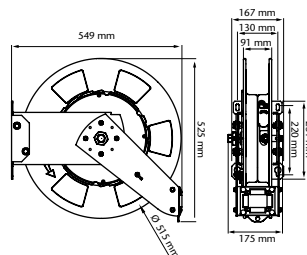
Inlet thread BPS	Outlet thread BPS
G1/2" (m)	G1/4" (m)
G1/2 (m & f 60°)	G1/2 (m & f 60°)
G1/4" (f)	G1/4" (m)
G3/4" (f)	Waste oil nozzle
G1/2" (f) swivel	G3/8" (f) shaft

### Series ORM

Open hose reel for air, water, oil and grease.

Manufactured in sheet metal, painted in blue. The air reels have a simple cord braided hose and oil and grease reels have a steel braided hydraulic hose.

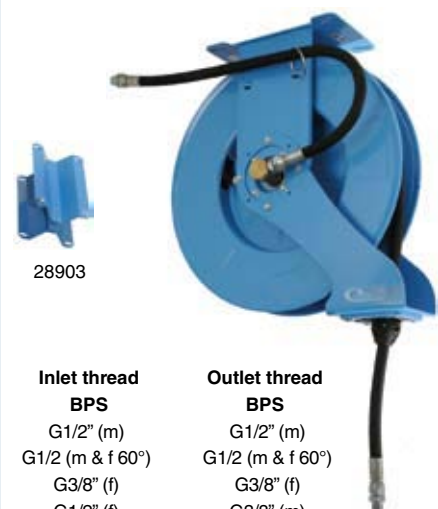
All hoses are fitted with swaged couplings.



Media	Hose lengths meter	Hose dim. mm-inch	Max. pressure MPa-bar
Air/Water	15	12,5 - 1/2"	1,5 - 15
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	10 - 3/8"	7,5 - 75

Pivoting wall bracket

**44241**  
**24922**  
**14218**  
**24935**  
**24904**  
**24445**  
**28903**

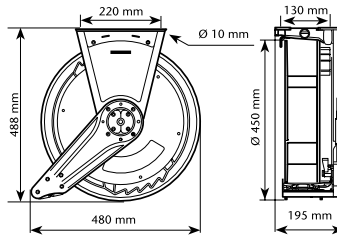


28903

Inlet thread BPS	Outlet thread BPS
G1/2" (m)	G1/2" (m)
G1/2 (m & f 60°)	G1/2 (m & f 60°)
G3/8" (f)	G3/8" (f)
G1/2" (f)	G3/8" (m)
G1/2" (f) swivel	G3/8" (m)
G1/2 (m & f 60°)	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>744210</b>
Air/Water	15	10 - 3/8"	1,5 - 15	<b>744220</b>
Air/Water	15	12,5 - 1/2"	1,5 - 15	<b>744240</b>
Oil/Air/Water	10	12,5 - 1/2"	7,5 - 75	<b>724910</b>
Oil/Air/Water	15	12,5 - 1/2"	7,5 - 75	<b>724922</b>
Grease	10	6,35 - 1/4"	35 - 350	<b>714205</b>
Grease	15	10 - 3/8"	35 - 350	<b>714215</b>
Hot water, max 150oC	15	10 - 3/8"	18 - 180	<b>724951</b>
Wind screen wash/ Degreaser	10 15	10 - 3/8" 10 - 3/8"	7,5 - 75 7,5 - 75	<b>724440</b> <b>724445</b>
Waste oil suction	6	16 - 5/8"	Vacuum	<b>724492</b>
AdBlue	10	12,5 - 1/2"	7,5 - 75	<b>724971</b>
Various	10	Without Hose		<b>724904</b>
Pivoting wall bracket				<b>28903</b>

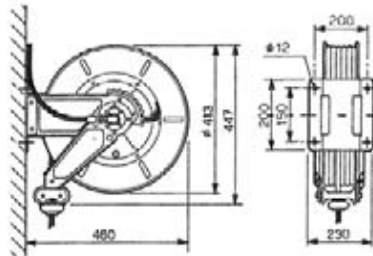
### Part No

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)	G3/8" (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>44240</b>
Oil/ Air	20	12,5 - 1/2"	6 - 60	<b>24920</b>
Grease	15	10 - 3/8"	40 - 400	<b>14216</b>
Hot water/ AdBlue/ Stainless steel	20 20	10 - 3/8" 12,5 - 1/2"	18 - 180 6 - 60	<b>24957</b> <b>24971</b>
Various	max. 20	without hose	40 - 400	<b>24955</b>
with stainless steel swivel				<b>28902</b>
Pivoting wall bracket				<b>28902</b>
Welding Hose reel				<b>44465</b>
Oxygene/Propan	15	Twin 10 mm		<b>44465</b>



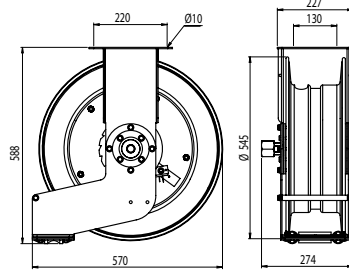
Inlet thread	Outlet thread
<b>BSP</b>	<b>BSP</b>
G1/2" (m)	G1/2" (m)
G1/2" (f)	G1/2" (f)
G3/8" (f)	G3/8" (f)
G3/8" (f)	G3/8" (f)
G3/8" (f)	G3/8" (f)
G1/2" (f)	G1/2" (f)
Connection thread	G3/8" (f)



## 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
Oil/Air	20	12,5 - 1/2"	7,5 - 75
Oil/Air	15	19 - 3/4"	7,5 - 75
Oil/Air	max. 20	Without hose	7,5 - 75

#### Part No

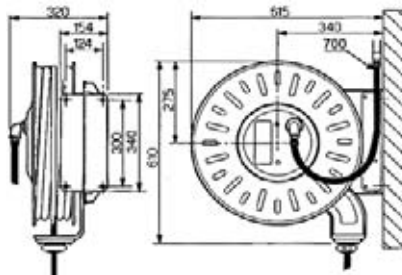
**24931**  
**24932**  
**24933**



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" (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
Oil/ Air	25	12,5 - 1/2"	6 - 60
Oil/ Air	20	19 - 3/4"	6 - 60
Oil/ Air	15	15 - 1"	6 - 60
Grease	25	10 - 3/8"	40 - 400
Hot water, max. 150 °C	25	10 - 3/8"	40 - 400
Hot water, max. 150 °C	25	12,5 - 1/2"	30 - 300
Hot water/Stainless max. 150 °C	25	12,5 - 1/2"	30 - 300
Stainless steel	25	Without swivel and hose	
Steel	25	Without swivel and hose	
Pivoting wall bracket			

**24941**  
**24943**  
**24945**  
**14225**  
**24961**  
**24963**  
**24965**  
  
**24960**  
**24969**  
**28904**

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)

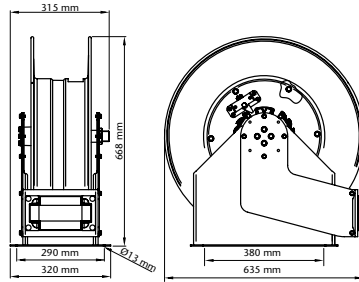
*For hose and swivels see [www.alentec.com](http://www.alentec.com)*  
*For hose and swivels see [www.alentec.com](http://www.alentec.com)*





## 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

**24974**  
**24975**  
**24976**  
**24977**  
**44453**  
**44452**  
**24978**  
**24979**



### Inlet thread BSP

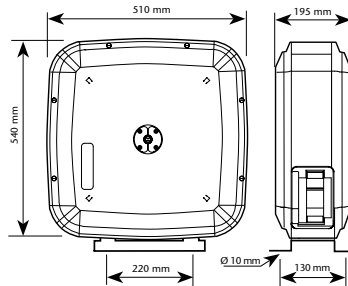
G1/2 (m & f 60°)  
 G3/4 (m & f 60°)  
 G3/4 (m & f 60°)  
 G1" (m & f 60°)  
 G1" (m & f 60°)  
 G1/2 (m & f 60°)

### Outlet thread BSP

G1/2 (m & f 60°)  
 G3/4 (m & f 60°)  
 G3/4 (m & f 60°)  
 G1" (m & f 60°)  
 G1" (m & f 60°)  
 G1/2 (m & f 60°)  
 Without hose  
 Without hose

## 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 metre	Hose dim. mm-inch	Max. pressure MPa-bar
Air/Water, Rubber-hose	10	10 - 3/8"	1,5 - 15
Air/Water, Rubber-hose	15	10 - 3/8"	1,5 - 15
Air/Water, Rubber-hose	15	12,5 - 1/2"	1,5 - 15
Oil/Air/Water	10	12,5 - 1/2"	7,5 - 75
Oil/Air/Water	15	12,5 - 1/2"	7,5 - 75
Grease	10	6,35 - 1/4"	35 - 350
Grease	15	10 - 3/8"	35 - 350
Hot water, max 150oC	15	10 - 3/8"	17 - 170
Wind screen wash/	10	10 - 3/8"	7,5 - 75
Degreaser	15	10 - 3/8"	7,5 - 75
Waste oil suction	6	19 - 3/4"	Vacuum
AdBlue	10	12,5 - 1/2"	7,5 - 75
Various	10	Without hose and swivel	
Pivoting wall bracket			

**644210**  
**644220**  
**644240**  
**624910**  
**624922**  
**614205**  
**614215**  
**624951**  
**624440**  
**624445**  
**624492**  
**624971**  
**624904**  
**28903**



### Inlet thread BSP

G1/2" (m)  
 G1/2" (m)  
 G1/2" (m)  
 G1/2" (f)  
 G1/2" (f)  
 G1/4" (f)  
 G3/8" (f)  
 G3/8" (f)  
 G1/2" (f)  
 G1/2" (f)  
 G1/2" (f)  
 G1/2" (f)

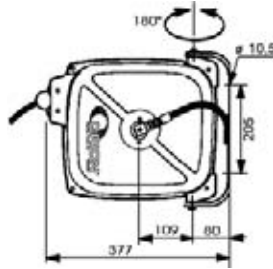
### Outlet thread BSP

G3/8" (m)  
 G3/8" (m)  
 G1/2" (m)  
 G3/8" (f)  
 G1/2" (f)  
 G1/4" (m)  
 G1/4" (m)  
 G3/8" (f)  
 G3/8" (f)  
 G1/2" (f)  
 G1/2" (f)  
 G1/2" (f)  
 G1/2" (f)

## 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

Part No

**44205**  
**44206**  
**44210**

**Inlet thread**  
**BSP**  
hose 8-5/16"  
hose 8-5/16"  
G3/8" (m)

**Outlet thread**  
**BSP**  
G1/4" (m)  
G1/4" (m)  
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	H07RN - F 5 x 1,5 mm <sup>2</sup>	400	3.000

**53610**  
**53620**  
**53630**  
**53640**

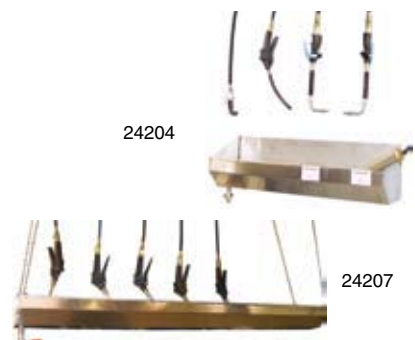


### Drip Pan

For use below hose reels to prevent liquid dripping on the floor. Made in stainless steel.

Description	Length
Drip pan, wall hanged	700 mm
Drip pan, wall hanged	1.000 mm
Drip pan, wall hanged	1.250 mm
Drip pan, wall hanged	1.500 mm
Drip pan, ceiling mounted with four 2 metre chains.	1.250 mm

**24203**  
**24204**  
**24205**  
**24206**  
**24207**



### 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 "round"	150 x 150 mm
Hose Outlet	110 x 110 mm

**2245931**  
**2145998**



## 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 and CRM 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 three reels	1.375 x 310 x 60

Part No

92142  
92143  
92145



## 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,CRM

92130



## Service Stands for 3 or 5 Reels

Standard service stand, for up to five hose reels, manufactured in blue laquered steel.

Pre-drilled holes for ORK, ORM, ORS, ORL and CRM 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	2.400	1.200	310 mm
For five hose reels	2.400	1.800	310 mm

92133  
92135

92133



## Service Stand

Standard service stand, for up to six hose reels, manufactured in blue laquered steel. The stand has drip tray.

Pre-drilled holes for ORK, ORM, ORS, ORL and CRM reels.

Dimensions (H x W x D) 2.500 x 1.640 x 760 mm

Dimensions (H x W x D) 2.500 x 1.972 x 760 mm

Bracket for exhaust reel

Height extension kit (makes the stand 500 mm higher)

92150

92152

92154

92153



## Hose Reel, Accessories

### 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
- Service tower, with hose reel mounting rack for 3 reels
- Service tower, with hose reel mounting rack for 5 reels

#### Part No

92136  
92137  
92138



### 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
- Service tower, for two exhaust reels
- Concrete fastener (floor bracket), Zinc plated (850 x 850 mm)

92125  
92129  
92124





## 9 Hose End Control

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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  
14615

14612



14615



99600



99600

25102032

### 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.*

### 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" (m)	50 MP (500 bar)

**NOTE! Do not use with outlet hose.**

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 1.000 gr/min. Accuracy +/- 3 %.

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**



### 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**



### 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 with rubber outlet. Inlet G1/4" (f).

**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)

Part No

- 24105
- 2410564
- 2410561



### Water Control Valve

Water control valve. Inlet G1/4" (f)

**Description**

- Water control valve. G1/4" (f)
- Water control valve. G3/8" (f)
- Water control valve. G1/2" (f)

- 24106
- 2410664
- 2410661



### 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 swivel G1/2" (m)
- Water control valve with swivel G1/2" (f)
- Inline meter G1/2" (f)

- 24142
- 24141
- 24140



### Wash Control Valve

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 Nozzle

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

**Description**

- | Description   | Max pressure |         |
|---|--------------|---------|
| Wash nozzle for 1/2" hose connection in brass                       | 10 bar       | 28268   |
| Should not be under pressure when closed!                           |              |         |
| Bare hose adapter G1/2" (m) with 60° cone                           |              | 2085398 |
| Wash nozzle for 1/2" hose connec. in brass, O-ring sealed           | 16 bar       | 28368   |
| Wash nozzle for 1/2" hose connec. in stainless steel, O-ring sealed | 16 bar       | 28369   |

- 28268
- 28368
- 28369





## 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

Ventil med sprayrör  
 Ställbart munstycke

 24029  
 550012


## Spray Handle with Spray Tube

Designed for use with detergents. Consists of a thermoplastic valve body with a 915 mm outlet tube of stainless steel. Two different spray nozzles for water- and petroleum based detergents.  
 Connection G1/2" (f).

### Description

Spray handle with spray tube  
 Spare adjustable nozzle

 24099  
 550012


## 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	Connection thread.	Weight (approx.)
Blow Gun	G1/4" (f)	100 g

44503



## Diesel & AdBlue® Control Valves

### Diesel Nozzles

Description	Max.flow	Inlet
Automatic Nozzle	45 l/min	G1"(f)
Manual Nozzle	100 l/min	G1" (f) with swivel

#### Part No

**23605**  
**23606**

23605



23606



### AdBlue® Nozzles

Description	Max.flow	Inlet
Automatic Nozzle	20 l/min.	G3/4" (f) with swivel
Manual Nozzle	80 l/min.	G1" (f) with swivel
Manual Nozzle	40 l/min.	G1/2" (f) with swivel

**23577**  
**23580**  
**2468070**

23577



23580



2468070



24759



### 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.

**24759**

#### Technical information

Accuracy: +/- 1%  
 Max flow: 120 l/min.  
 Pressure drop: 0,15 bar  
 Max pressure: 2 MPa  
 Connection: G1" (m)  
 Can be calibrated

**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).

**Description**

- Oil Control Valve without outlet tube
- Oil Control Valve with 60° rigid tube and semi-automatic nozzle
- Oil Control Valve with hose and semi-automatic nozzle
- Oil Control Valve with 90° hose (2285344) tube and automatic nozzle
- Oil Control Valve with 135° hose (2285345) tube and automatic nozzle

**Part No**

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



**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)
- Latch kit complete with assembly instructions (see next page)

- 2468010
- 2468011
- 2468050
- 2468051
- 24679
- 24679



**Oil Control Valve**

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.

Maximum flow	Maximum pressure	Inlet thread
48 l/min.	10 MPa (100 bar)	G3/4" (f)

Semi automatic non drip nozzle, connection thread G1/2" (m)

- 24563
- 24553



## 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.

### How to Order a Complete Control Valve with Accessories

The desired combination of accessories is indicated using a four (4) digit code immediately after the article number of the valve 24680. The position of the figure in the code corresponds to a specific accessory according to the following:

- Position 1** = Type of inlet swivel
- Position 2** = Adapter with rubber/steel washer
- Position 3** = Type of outlet hose
- Position 4** = Type of non-drip nozzle

If a specific accessory is not required insert the figure zero (0) in the code, in the position of that accessory. The code must always consist of four (4) digits.

**Example**

Control valve 24680 with inlet swivel G1/2" (m) - G1/2" (m) (24586), adapter with washer (2145895), outlet hose with 135° angle (2285345) and automatic non-drip valve (24519) Code: 24680-2131

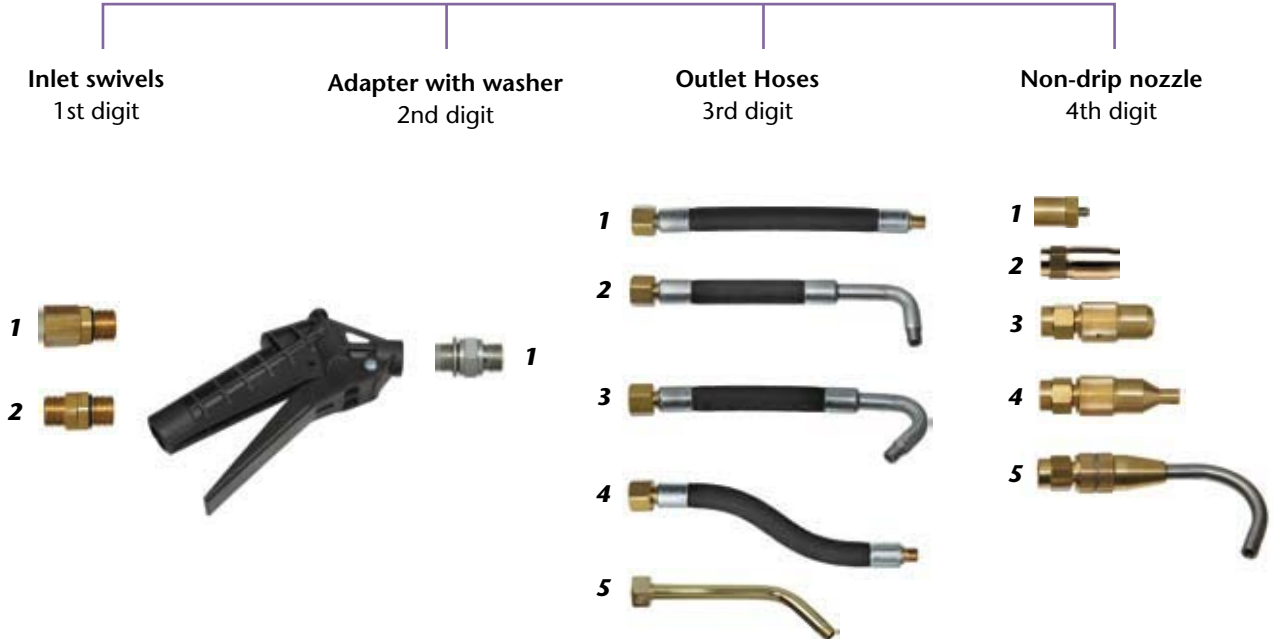
Part No

24680

24679



### EXAMPLE 24680-2131



### Mechanical Hose End Meter

**Functions:**

- For measuring oil and glycol
- 4 digit display
- Resettable trip meter
- Non resettable totaliser
- Accuracy ±1%
- No batteries required, Environment friendly

**Technical Data**

Hose End Meter including swivel, valve handle, inlet strainer, outlet hose and semi-automatic non-drip nozzle.

- Connections:** Inlet: G1/2" (f) Outlet: G1/2" (f)  
**Flow range:** 1-25 l/min. (0-25 to 5,3 USG/minute)  
**Working pressure:** (0,5 - 70 bar, 8 - 1.000 psi)  
**Temperature range:** 0 °C to + 55 °C  
**Fluid compability:** All types of mineral and synthetic lubricants up to 140SAE (5-5.000 mPa/s)

Part No

24786



### Digital Hose End meters with Semi-automatic Non-drip Nozzles

**Description**

Hose End Meter	including swivel G1/2" (f), valve handle, inlet strainer, outlet hose, battery and non-drip nozzle
Hose End Meter	including swivel G 1/2" (f), inlet strainer, battery, ridged outlet tube, and non-drip nozzle
Hose End Meter	including swivel G 1/2" (m), inlet strainer, battery, ridged outlet tube, and non-drip nozzle
Hose End Meter	including swivel G1/2" (f), inlet strainer, battery, non-drip nozzle and adjustable outlet hose
Hose End Meter	including swivel G1/2" (m), inlet strainer, battery, non-drip nozzle and adjustable outlet hose
Preset Hose End Meter	including swivel G1/2" (f), inlet strainer, battery, ridged out let tube and non-drip nozzle
Preset Hose End Meter	including swivel G1/2" (m), inlet strainer, battery, ridged out let tube and non-drip nozzle
Preset Hose End Meter	including swivel G1/2" (f), inlet strainer, battery non-drip nozzle and adjustable outlet hose
Preset Hose End Meter	including swivel G1/2" (m), inlet strainer, battery non-drip nozzle and adjustable outlet hose

24780



2470011



2470010



2470051



2470050



2470211



2470210



2470251



2470250

For other models and configurations, refer to page 110

## Hose End Meters

### Hose End Meter

#### Functions:

- For measuring oil and glycol
- 4 digit display
- Resettable trip meter
- Non resettable totaliser
- Easy calibration (accuracy  $\pm 0,5\%$ )
- Simple battery change

#### Technical Data

Hose End Meter including swivel, valve handle, inlet strainer, outlet hose and semi-automatic non-drip nozzle.

<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

### Hose End Meter

A hand-held digital volume meter which is microprocessor based and ergonomically designed.

A safety lock prevents accidental operation of the trigger as a locking button must be depressed before the trigger can be released.

The trigger can be locked in the open position and then closed by a light upward pressure.

#### Technical Data

<b>Material:</b>	The meter cover and trigger housing is moulded from impact resistant acetal plastic.
	Measuring chamber: Die cast zinc
	Valve housing: Die cast aluminium
	Measure wheel: Vectra®
<b>Conn. thread:</b>	Inlet: G1/2" (f) Outlet: G1/2" (m), 60° cone seal
<b>Dimension:</b>	270 x 85 x 75 mm (L x W x H)
<b>Flow:</b>	1,5 - 15 l/min.
<b>Pressure drop:</b>	0,02 - 0,45 MPa (0,2 - 4,5 bar)
<b>Accuracy:</b>	< $\pm 0,3\%$ (after calibration)
<b>Working pressure:</b>	1 - 5 MPa (10-50 bar, 145 - 725 psi)
<b>Temperature range:</b>	0 °C to + 50 °C

#### Description

Basic model designed for oil and glycol. Meter range 0,01-999,99 l. Equipped with resettable totaliser as well as a non resettable totaliser.

#### Note! Without accessories.

Pre-set model with an automatic cut off when the pre-set value is reached. Meter range 0,01-999,99 l.

Equipped with resettable totaliser as well as a non resettable totaliser.

Designed for oil and glycol.

#### Note! Without accessories.

Pre-warning model. A buzzing sound will be heard when the pre-warn value is reached, manual final reading and valve closing. Meter range 0,01-999,99 l.

Equipped with resettable totaliser as well as a non resettable totaliser.

Designed for oil and glycol.

#### Note! Without accessories.

#### Part No

24780



24780

24700



24702



#### Functions:

- Current dispense, resettable
- Resettable trip meter
- Non resettable totaliser
- Pre-set dispense mode 0,1-999,9 l (24702)
- Pre-warn dispense mode 0,1-999,9 l (24704)
- Low battery warning

#### Keys:

- Reset (incl. display segment test)
- Selection of functions
- Volume setting (24702, 24704)

#### Unit of measurement

- Volume is shown in l.
- Possible to show in US gallon (G) US Quarts (Q) and US pint (P).

24700

24702

24704

## Subject for Approval

### Functions:

- Current dispense, resettable
- Resettable trip meter
- Non resettable totaliser
- Pre-set dispense mode 0,2-99,9 l (24712)
- Low battery warning

### Keys:

- Reset (incl. display segment test)
- Selection of functions
- Volume setting (24712)

### Unit of measurement:

- Volume is shown in l

## Meters, Subject For Approval

A digital volume meter which is microprocessor based and ergonomically designed. A safety lock prevents accidental operation of the trigger as a locking button must be depressed before the trigger can be released.

The trigger can be locked in the open position and then closed by a light upward pressure.

### Description

Hose end meter, basic model designed for oil and glycol meter range 0,2 - 99,999 l. Equipped with resettable trip meter as well as non resettable totaliser.

**Note! Without accessories.**

Hose end meter, pre-set model with an automatic cut off when the pre-set value is reached. Meter range 0,2-99,999 l.

Equipped with resettable trip meter as well as non resettable totaliser. Designed for oil and glycol.

**Note! Without accessories.**

Line Meter with 2 x 100 pulses/l pulse transmitter output. Incl. 1,5 m cable. Equipped with resettable trip meter as well as non resettable totaliser.

**Note! 10-30V DC power supply required.**

### Technical Data

<b>Material:</b>	The meter cover and trigger housing is moulded from impact resistant acetal plastic.
	Measuring chamber: Die cast zinc
	Valve housing: Die cast aluminium
	Measure wheel: Vectra®
<b>Conn. thread:</b>	Hose end meter: Inlet: G1/2" (f)
	Outlet: G1/2" (m), 60° cone seal
	Line meter: Inlet: G1/2 (m), 60° cone seal
	Outlet: G1/2" (m), 60° cone seal
<b>Dimension:</b>	Hose end meter: 270 x 85 x 75 mm (L x W x H)
	Line meter: 185 x 95 x 48 mm (L x W x H)
<b>Flow:</b>	1,5-15 l/min.
<b>Pressure drop:</b>	0,02-0,45 MPa (0,2-4,5 bar)
<b>Accuracy:</b>	< ±0,3%
<b>Viscosity:</b>	8-2000 mPa·s
<b>Working pressure:</b>	1-5 MPa (10-50 bar, 145-725 psi)
<b>Temperature range:</b>	0 °C to + 50 °C

### Part No

24710



24712



24731



24710

24712

24731



# Hose End Meter for Oil and Glycol

## How to Order a Hose End Meter Complete with Accessories.

A meter with a combination of accessories is ordered by adding a four digit code after the meter article number. The position of the digit in the code corresponds to a specific accessory as follows:

**Position 1** = Type of inlet swivel.

**Position 2** = 9 V battery.

**Position 3** = Type of outlet hose.

**Position 4** = Type of non drip nozzle.

If a specific accessory is not required insert the figure zero (0) in the code in the position of that accessory. The code must always consist of four (4) digits.

### Example

Hose end meter 24700 with swivel G1/2" (m) - G1/2" (m) (24586), 9V battery (2245634), flexible outlet hose with 90° angle (2285344) and automatic non drip nozzle (24519) Code: 24700-2121

Part No

24702-1142



### EXAMPLE 24700-2121

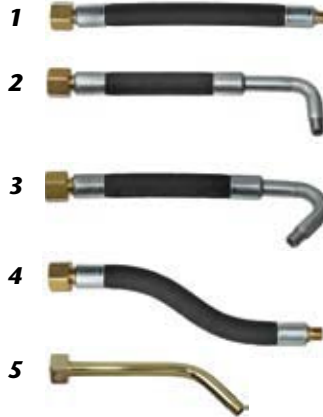
**Inlet swivels**  
1st digit



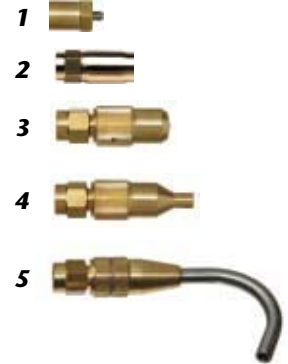
**Battery**  
2nd digit



**Outlet Hoses**  
3rd digit



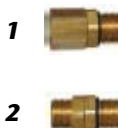
**Non-drip Nozzles**  
4th digit



24700, 24702, 24704

### FOR APPROVAL

**Inlet swivels**  
1st digit



**Battery**  
2nd digit



**Outlet hoses with Sight Glass and Non-drip Nozzle**  
3rd and 4th digit



Non-drip nozzle  
24519 included.  
(no others allowed)



24710, 24712



## Accessories for Hose End Control Valves

### Outlet Hose and Non-drip Nozzles for 24780, 24786 and 24675

**Description:**

Outlet hose 90° G1/2" (m) against the Non-drip G1/4" (m)  
 Semi-automatic, opened by fluid pressure, manually closed G1/4" (m)  
 Lockable, opened and closed manually by turning G1/4" (m)

Part No

**369218**  
**24538**  
**24539**


### Inlet Swivels

Max working pressure: 5 MPa (50 bar)  
 Material: Brass ISO/SS 5170  
 Material in O-ring: Nitrile rubber N70

**Connection threads:**

G1/2" (m) - G1/2" (f)  
 G1/2" (m) ,60° cone - G1/2" (m)

**24585**  
**24586**


**Note! The O-ring on the above swivels must be assembled against the valve body.**

### Outlet Hoses

Max working pressure: 5 MPa (50 bar)  
 Material: Hoses: Braided Nitrile/Chloroprene rubber.  
 Tube: Steel  
 Connection threads: At valve body: G1/2" (f)  
 At non-drip: M 12x1 (m)

**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.

**2285343**  
**2285441**  
**2285344**  
**2285345**  
**2285346**  
**24170**  
**2245997**  
**2145895**


### Non-drip Nozzles

Max working pressure: 5 MPa (50 bar)  
 Material: Brass ISO/SS 5170  
 Material in O-ring: Nitrile rubber N70  
 Connection thread: M 12x1 (f)

**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

**24519**  
**24527**  
**24528**  
**24529**  
**24537**


**Note! For lockable nozzles use 24170 or 2285441 outlets!**

### 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

**29020**  
**29085**  
**29095**


### Battery

**Description:**

9 V battery (alkaline), type 6LR61 9 V For digital meters: 24702, 10, 12, 20  
 1,5 V battery (alkaline), type LR03/AAA For digital meters: 24700, 80, 90

**2245634**  
**2346077**


## Line Meters

### Line Meters

#### Functions:

- For oil and glycol (24764, 24765 even for Diesel)
- 4 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>	0 °C to + 55 °C
<b>Accuracy:</b>	< 0,5% (after calibration)
<b>Battery:</b>	2 x LR03 Alkaline - 7.000 hours average life

Description	Connections	Flow rate	Work Pres. Max
Line meter	G1/2" (f)	1 - 20 l/min.	7 MPa (70 bar)
Line meter	G1/2" (f)	1 - 20 l/min.	7 MPa (70 bar)
Line meter	G1" (f)	1 - 100 l/min.	3 MPa (30 bar)
Pulse meter	G1" (f)	1 - 100 l/min.	3 MPa (30 bar)

36 pulses/l pulse transmitter output

#### Part No

24790



24764



24762



24790

24762

24764

24765

### Line Meter, Mechanical

#### Functions:

- For oil and glycol
- 4 digit display
- Resettable trip meter
- Non resettable totaliser
- Accuracy  $\pm 1\%$

#### Technical Data

<b>Working pressure:</b>	0,5 - 70 bar (8 - 1.000 psi)
<b>Temperature range:</b>	0 °C to + 55 °C

24796



24796

### For Oil and Glycol

#### Description

Basic model. Meter range 0,1-999,99 l. Equipped with resettable trip meter as well as non resettable totaliser.

#### Note! Battery not included.

24720 with battery.

Line meter with 100 pulses/l pulse transmitter output. For connection to monitoring systems in combination with remote display Monitor 23362 or with a separate digital display D3240. Incl. 1,5 m cable. Equipped with resettable trip meter as well as non resettable totaliser.

As 24722 but with 10 pulses/l output.

Line meter with 328 pulses/l 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.

#### Technical Data

<b>Material:</b>	The meter cover is moulded from impact resistant acetal plastic.
Measuring chamber:	Die cast zinc
Valve body:	Pressgjuten aluminium
Measure wheel:	Vectra®
<b>Connection thread:</b>	Inlet: G1/2" (m), 60° cone seal Outlet: G1/2" (m), 60° cone seal
<b>Dimension:</b>	185 x 95 x 48 mm (L x W x H)
<b>Weight:</b>	1,1 kg
<b>Flow:</b>	1,5-15 l/min.
<b>Pressure drop:</b>	0,01-0,12 MPa (0,1-1,2 bar)
<b>Accuracy:</b>	< $\pm 0,3\%$
<b>Working pressure:</b>	1-5 MPa (10-50 bar)
<b>Temperature range:</b>	0 °C till + 50 °C

24720

24738



24720

2472001

24722

24721

24738

24722



## Stainless Steel Line Meter for Windscreen Fluids & AdBlue<sup>®</sup>

Line meter with 328 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. Inlet strainer included.

### Description

Line meter for windscreen fluids.

### Technical Data

<b>Material:</b>	Stainless	Steel SS/ISO 2346
	Packings:	Viton
<b>Connection thread:</b>	Inlet:	G1/2 (m), 60° cone seal
	Outlet:	G1/2 (m), 60° cone seal
<b>Dimension:</b>	80 x 110 mm (D x H)	
<b>Flow:</b>	1,5 - 30 l/min.	
<b>Accuracy:</b>	< ±1% (after calibration)	
<b>Pressure drop:</b>	0,01 - 0,1 MPa (0,1 - 1,0 bar)	
<b>Max working pressure:</b>	15 MPa (150 bar)	
<b>Min burst pressure:</b>	40 MPa (400 bar)	
<b>Temperature range:</b>	0 °C to + 50 °C	

Part No

24775



## Line Meter for Waterbased Fluids

Line meter with 300 pulses/l (adjustable) for antifreeze (water-glycol) and detergents mixed with water. Only for connection to monitoring systems. This meter does not have a display or function buttons.

**Note! 10-30V DC power supply required.**

### Description

Line meter for waterbased fluids

### Technical Data

<b>Material:</b>	Measuring housing: Acetal Copolymer
	Valve housing: Nylon
	Measure wheel: Acetal Copolymer
<b>Connection thread:</b>	Inlet: G1/2" (m), 60° cone seal
	Outlet: 0,5 m flexible hose with G1/2" (f), 60° cone seal
<b>Flow:</b>	1,5-30 l/min.
<b>Accuracy:</b>	< ±5% (after calibration)
<b>Pressure drop:</b>	0,001 - 0,1 MPa (0,01-1,0 bar)
<b>Max working pressure:</b>	2,0 MPa (20 bar)
<b>Temperature range:</b>	0 °C to + 50 °C

**Note! Not suitable for windscreen fluids.**

24760



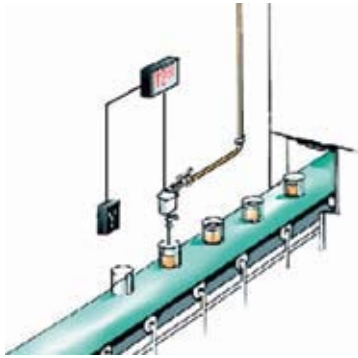
**Notes:**

A large rectangular area with a rounded top-left corner, containing numerous horizontal dotted lines for writing notes.



# 10 Monitoring

Dosing Equipment .....	116
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### 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.
Distance between LED and buttons	Buttons mounted in LED.

#### 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<sup>®</sup> PC**

## Basic functions

**OriLink<sup>®</sup>**

Max No. Hose Reels	253
Max No. Oil Grades	Unlimited
Max No. Keypads	Unlimited
Max No PIN Codes	Unlimited
Stores Control	•
Technician Access	•
Preset Dispense Qty.	•
Preset Codes	•
Job No. Validation	•
PC-connection	•
ADB integration, see below	•
Dealer Management System Interface, see below	•
More than one ticket printer	•

**Printout Data**

Date and time of dispense	•
Reel number identification	•
Job number (alphanumeric)	•
Technician Name and number	•
Unique transaction number	•
Fluid name and part number	•
Ordered quantity	•
Quantity dispensed in l (two decimals)	•
Re-order Prompt	•
Total Sales Value	•
Stock level	•

**Management Data**

Oil Usage by Grade	•
Oil Usage by Operator	•
Oil Usage by Job No.	•
Oil Usage by Hose Reel No.	•
Oil Usage by Transaction No.	•
Stock Re-order Report	•
Current Stock Level	•
Transaction Data Storage/Recall Facility	•
Waste Oil Control Facility	•

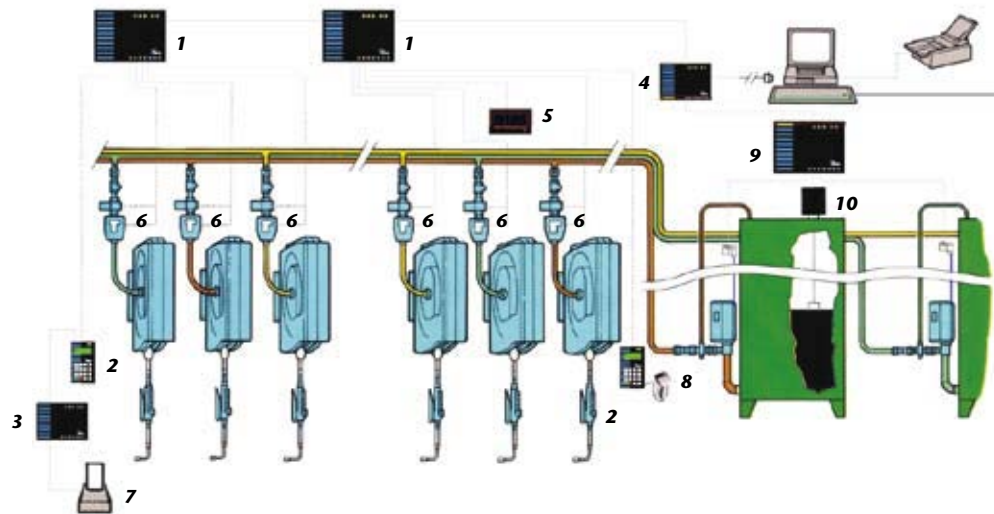
\* ADB integrated systems (January 2012)

List of names:

A3BCM, Acosy, ACP\_Gene, AlnaOil, AsWin, AutoMaster, AutoVision, Axapta, BARIS, BmwBelNav, By customer, Car and You, Caris, Cars, Concorde C5, Concorde XAL, DATADLCM, DEAS-1, DEAS-2, Didrik, Dracar, ElvaDMS, GDS, GenericTEXT, GenericODBC, GenericXML, Helios, HondaIndia, Ibcos, InfoEasy, InfoFlex, Kerridge, KerridgeCM, Kobra2, KomMa, Mapics, MIF, Movex, Navision, Orfala, PonAlm, Quiter, QuiterCM, Rowil, SAP, SDS, SMC, Taccis, TerGest, TVH, WinAssist, WongHonda.

*Alentec & Orion AB reserves the right to change specifications in this publication without notice.*

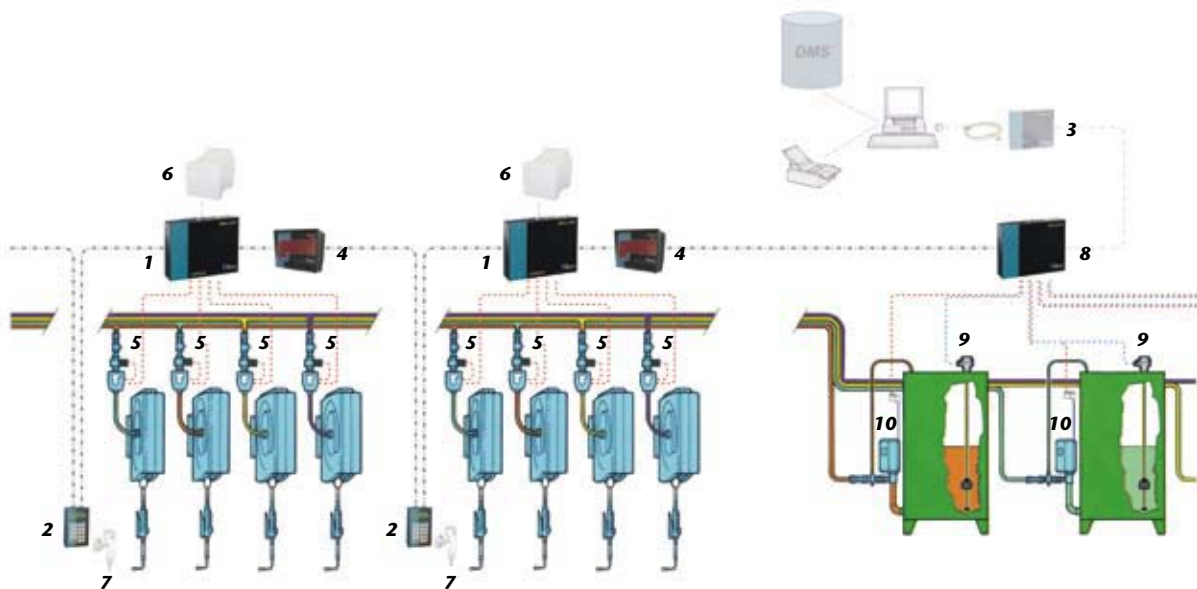
The OriLink® system is an advanced oil management system with no upper limit for number of reels, oilgrades or reels used simultaneously. An overview of the workshop oil system layout is presented as miniatures on the screen where all activities are graphically visible in real time! As all data is stored 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	SPEC2289			



### 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

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).

**23401**


### Key Pad, Graphic

To be installed in the workshop in order to give the operator access to the system using a personal ID-code. 2x16 signs window, 20 buttons display. Can be equipped with serial port kit (23415) for external reader (23407 or 23409).

**23410**


### Protective Cover for Terminal

Transparent protection cover for the 23401, and the 23410. Wall bracket for keypad.

**23261**
**23260**


### 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 23413) 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**


### 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**


### 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/IButtons. 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



### Basic Program

Shows outlets and updates the printer module, user, tank register and simple export of transaction data to the PC.

23413



### 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

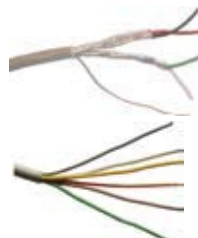
23334

23335

### Communication Cable

Two twisted pairs, each pair shielded 4-core 0,36 mm<sup>2</sup>. Use between 23400 - 23410, 23430 and 23600.

23411



### Control Cable

Use between MPDM and meter/solenoid valve. 4-core 0,5 mm<sup>2</sup>  
5-core 0,5 mm<sup>2</sup>

23393

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 SPEC2289 and SPEC2290.

Description Pulses	Max. Pressure thread	Conn. Included	Postions
Meter for oil 24738, solenoid valve 28127	5 MPa (50 bar) 328 pulses/l	G1/2" (m)	
Meter for oil 24738, solenoid valve 28127	5 MPa (50 bar) 328 pulses/l	G1/2" (m)	w/o strainer
Meter for oil 24738, solenoid valve 28306	5 MPa (50 bar) 328 pulses/l	G1/2" (m)	
Meter for oil 24738, solenoid valve 28306	5 MPa (50 bar) 328 pulses/l	G1/2" (m)	w/o strainer
Meter kit, approvable solenoid valve 28306	5 MPa (50 bar) 328 pulses/l	G1/2" (m)	
Meter for oil 24765 solenoid valve 28306	2,5 MPa (25 bar) 36 pulses/l	G3/4" (m)	

Part No

SPEC2290

SPEC2290  
SPEC2289

23355

SPEC2289

SPEC2293



23376

SPEC2294

SPEC2293

### Line Meter kit for Windscreen Wash, Detergents and AdBlue®

Line Meter with solenoid valve. Indicates open valve.

Description Pulses	Max. Pressure thread	Conn. Included	Packings
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

SPEC7291



SPEC7293

SPEC7293



### Line Meter Kit for Anti Freeze

Line Meter with solenoid valve. Indicates open valve. Strainer part no 28022 included.

Description Pulses	Max Pressure thread	Conn. Included	Packings
Line Meter 24760 solenoid valve not included	2 Mpa (20 bar) 300 pulses/l	G1/2" (m)	Viton

SPEC7292



### Line Meter Kit for Diesel

Line Meter (24765) with solenoid valve (28308). Strainer, part no 28059 included.

Description Pulses	Max. Pressure thread	Conn. Included	Packings
Meter for diesel incl. 24765 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 Pulses	Max. Pressure thread	Conn. Included
Meter for grease incl. solenoid valve	30 Mpa (300 bar) 1.450 pulses/l	G1/4" (f)

SPEC1290



## Monitoring Equipment

### Tank Level Alarm

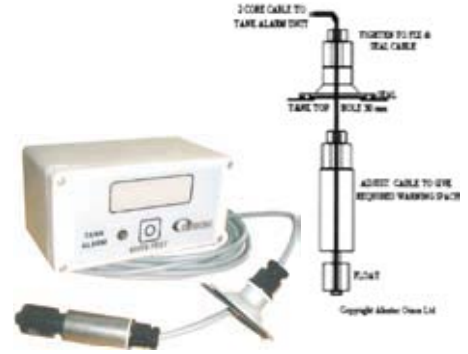
Reversible float to allow high level or low level control. Suitable for oil and diesel tanks. Alerts user when level has been reached. Low voltage, 9 V operated, no mains wiring required. Can be connected to remote visual alarm.

**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**



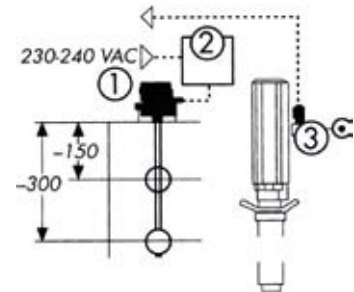
### Waste Oil Control Equipment

A level sensor (1) senses the level in the waste oil tank. At a pre determined level, a repeated warning of approaching high level is printed on the transaction printout. When the tank is full, the solenoid valve (3) shuts off the air supply to the waste oil discharge pump preventing an overflow situation. An EX ia-barrier (2) is installed between the level sensor and central unit to isolate the explosive environment inside the tank. (Dependent on local regulations or laws).

Description	Pos
Level sensor	1
EX ia-barrier [EEX ia] IIC appr (230 V AC)	2
Solenoid valve, 24 V DC for air	3

*Notice that the cable between position 1 and 2 must be valid for Ex-environments. Choose cable 23164.*

**23132**  
**23187**  
**48059**



### Solenoids 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)

*Atex Solenoid 24 V AC/DC suits 48059, 28306 and 28338*

**48008**  
**2326260**  
**48059**  
**48081**  
**48082**  
**48080**  
**2385450**



### Solenoids 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)	30 MPa (300 bar)
Solenoid for Diesel	G 3/4" (f)	2,5 MPa (25 bar)
Solenoid for Oil	G 1" (f)	6,0 MPa (60 bar)
Solenoid for AdBlue®	G 1/2" (f)	1 MPa (10 bar)

**28127**  
**28306**  
**38013**  
**28308**  
**28304**  
**28338**



**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 overfilling or dry pumping of waste oil or washer fluid. The panel has built-in security barrier and lamp for stop and alarm. Supply voltage 230 V AC, 24 V DC solenoid.

23195



**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

23171

23183

23191

23192

2330287



**Level Switch, Waste Oil**

For control of waste oil tank level. Equipped with two switch levels. The lower is 300 mm from the tank top and the upper 150 mm from the tank top. Other levels possible on special request. The body is equipped with a terminal strip for the connection of cables. Conn. thread G 2" (m)

23132



**Analogue Level Sensor**

4-20 mA level sensor for tanks up to 4 m height. Self calibrated against the surrounding air pressure. To be connected to the OriLink Tank module Model 23408. Thread G 2"

23417



**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 2 level switches (Eg 23132)
- Relay for 2 level sensors (Eg 23417)

23187

23188



**Relay Box**

To be used when more that two solenoids is used for waste oil. (24 V DC)

23167

**Overflow Protector**

For oil 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	Length level switch	Length electric cable	Connection thread
Overflow protector	200 - 500 mm	15 m	G1/2" (m)

23163



## Protection Kits

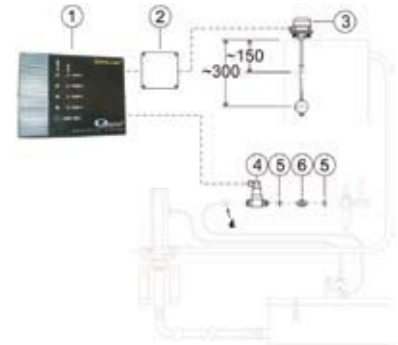
### Two Stage Alarm Equipment for Waste Oil

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
3	Level switch	23132
4	Solenoid valve	48059
2	Ex ia Barrier	23187

Part No

SPEC8042

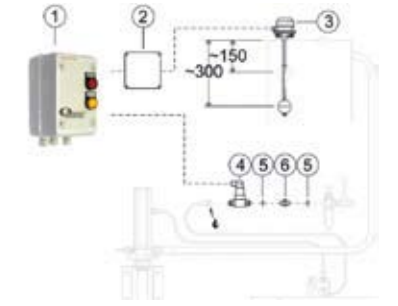


### Two Stage Alarm Equipment for Waste Oil

The equipment is EX-classified in accordance with waste oil handling regulations. The box can handle 6 different solenoid valves (24 V DC).

1	Control panel	23195
3	Level switch	23132
4	Solenoid valve	48059

SPEC8043



### Pump Protection Kit for Grease Pumps

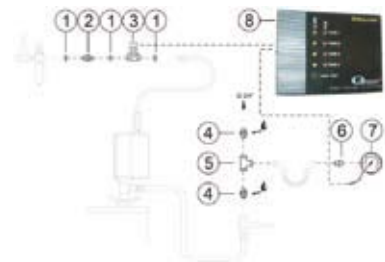
Used to prevent air from entering the pump tube and dry running the pump when the drum is empty.

Pressure sensor, resistant to fluids.

Equipment delivered unassembled in a kit, the major items are:

- 3 Solenoid valve, 24V DC, G1/4" (f) (48059)
- 4-6 Grease connection kit (1180033)
- 8 Control panel (23430)
- 7 Pressure sensor (23072), gauge Button (23043) manual start after dry pumping

SPEC8110



### Pump Protection Kit, Oil and Liquid Pumps

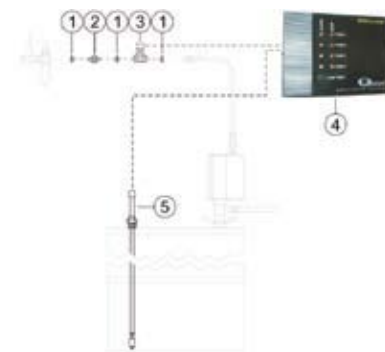
Used to prevent air from entering the pump tube and dry running the pump when the drum is empty.

Level sensor made of plastic, resistant to fluids commonly supplied in 205 l drums.

Equipment delivered unassembled in a kit consisting of the following:

- 3 Solenoid valve, 24V DC, G1/4" (f) (48059)
- 4 Control panel (23430)
- 5 Low level sensor (23171), (for alcohol use 23183)

SPEC8120



### Pump Protection Kit for Pumps in EX Proof Areas

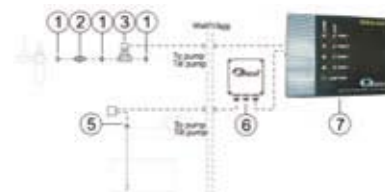
Used to prevent air from entering the pump tube and dry running the pump when the drum is empty.

Level sensor made of plastic, resistant to fluids commonly supplied in 205 l drums.

Equipment delivered unassembled in a kit consisting of the following:

- 3 Solenoid valve, 24V DC, G1/2" (f) (48080)
- 7 Control pane (23430)
- 5 Low level sensor (23183), (for oil use 23171, not included)
- 6 Ex ia barrier (EEX ia) 11C appr (23187), 230 V AC

SPEC8121





# 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)	Weight (approx.)
Trolley	300 x 390 x 1.000 mm	5,9 kg

#### 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



28528

### Trolley for Buckets and Plastic Containers

Trolley for buckets. Wheel diameter Ø 160 mm.

Description	Dimension (L x W x H)	Weight (approx.)
Trolley	450 x 290 x 920 mm	5 kg

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)	Weight (approx.)
Drum trolley	500 x 450 x 1.060 mm	6 kg

28526



28557



28526

#### 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)	Weight (approx.)
Drum trolley	785 x 800 x 900 mm	16 kg

28645

#### Accessories

Pump bracket.

Reel bracket. For ORK,ORM and CRO Series

28651

28652



28645

### Drum Trolley for 180 kg Drums

Drum trolley for 180 kg drums with four wheels, 2 large Ø 250 mm and two support wheels Ø 100 mm, one equipped with a brake. The handle, supplied loose, is held in place by the same screws as the support wheels.

Description	Dimension (L x W x H)	Weight (approx.)
Drum trolley	785 x 800 x 900 mm	20 kg

28276



28276

### 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)	Weight (approx.)
Drum trolley	785 x 800 x 900 mm	25 kg

28646

#### Accessories

Reel bracket. For ORK, ORM and CRO Series

28653



28646



## 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.

Description	Dimension (L x W x H)	Weight (approx.)
Safety drum trolley	785 x 800 x 900 mm	20 kg

Part No

28277



## 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.

Description	Dimension (L x W x H)	Weight (approx.)
Drum dolly	Height approx. 110 mm	7,5 kg

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.

Description	Dimension (L x W x H)	Weight (approx.)
Trolley	Max. Ø 375 mm	7 kg

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.

Description	Weight (approx.)
Container Tipper	6 kg

92093



## Drum Trolley

Basic drum trolley for transporting and moving oil drums. Useful when manually handling heavy 205 litre drums.

Description	Dimension (L x W x H)	Weight (approx.)
Trolley	1.400 x 700 x 300 mm	9 kg

21110



## Drum Cradle

The drum cradle enables drums to be picked up in the upright position. Using the extra long handles, the drum is easily tilted and lowered into a horizontal position. In the horizontal position the cradle can be used as a dispensing station.

Description	Dimension (L x W x H)	Weight (approx.)
Trolley	1.500 x 700 x 500 mm	8 kg

21103



## 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



## Environment Protection & Drum Lifts

### Drum Wrench

Fits the most common types of drum caps.

Part No

29250



### 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)	Weight	Material	Colour	
Safety pallet for 2 drums	1.240 x 820 x 360 mm Volume approx.: 250 l	65 kg	Metal	Blue	29142
Safety pallet for 2 drums	1.240 x 820 x 360 mm Volume approx.: 250 l	45 kg	Plastic	Black	29144

29144



### 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.

**Description**  
Hydraulic Drum Lift

DT300





# 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.

<b>Description</b>	<b>Weight</b>
Exhaust reel without hose	approx. 54 kg

Complete reels with hose (+150 °C). Just add a nozzle.

<b>Description</b>	<b>Hose dimension</b>	<b>Length</b>
Exhaust reel for Trucks	150 mm (6")	10 metres

Part No

84300

84303



### 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.

<b>Description</b>	<b>Weight</b>
Exhaust reel without hose	approx. 49 kg

Complete reels with hose (+150 °C). Just add a nozzle

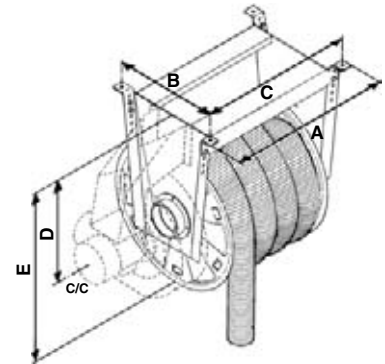
<b>Description</b>	<b>Hose dimension</b>	<b>Length</b>
Exhaust reel for Small Trucks/Cars	100 mm (4")	5 metres
Exhaust reel for Small Trucks/Cars	100 mm (4")	7,5 metres
Exhaust reel for Small Trucks/Cars	100 mm (4")	10 metres

84305

84307

84308

84310



<b>84300</b>	<b>84305</b>	<b>84290</b>
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.

<b>Description</b>	<b>Weight</b>
Exhaust reel without hose	approx. 44 kg

Complete reels with hose (+150 °C). Just add a nozzle.

<b>Description</b>	<b>Hose dimension</b>	<b>Length</b>
Exhaust reel for Small Trucks/Cars	100 mm (4")	7,5 metres

84290

84311

### Hose Mounting Kits for Exhaust Hose Reels

To connect the exhaust hose to the reel a mounting kit must be used.

<b>For hose diameter</b>	Ø 75 mm (3")	<b>88300</b>
	Ø 100 mm (4")	<b>88301</b>
	Ø 125 mm (5")	<b>88302</b>
	Ø 150 mm (6")	<b>88303</b>

88300

88301

88302

88303



## 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.

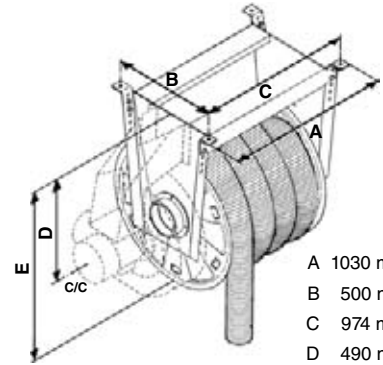
Complete reels with hose (+150 °C). Just add a nozzle. Control box included. Delivered unassembled.

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

83105

83106  
83107



- A 1030 mm
- B 500 mm
- C 974 mm
- D 490 mm
- E 790 mm

Weight without hose: approx. 56 kg.

### 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**

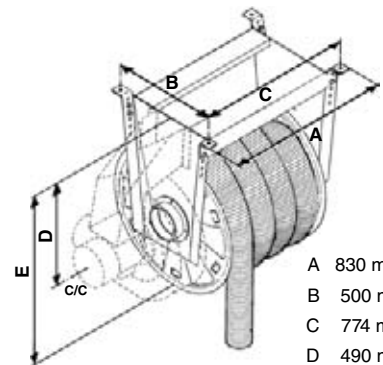
Electric Exhaust reel without hose and control box.

Complete reels with hose (+150 °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

83102

83103  
83104



- A 830 mm
- B 500 mm
- C 774 mm
- D 490 mm
- E 790 mm

Weight without hose: approx. 51 kg.

### 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	
	3,5 metres
	4,5 metres

Note. Exhaust reel and nozzle must be ordered separately.

88416  
88417



## 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	150 °C	200 °C	300 °C	500 °C	650 °C*
<b>Standard</b>						
Ø 150 mm (6")	2,5 m			<b>88459</b>		
Ø 75 mm (3")	5 m	<b>88330</b>	<b>88335</b>	<b>88445</b>		
Ø 100 mm (4")	5 m	<b>88340</b>	<b>88345</b>	<b>88450</b>		
Ø 125 mm (5")	5 m	<b>88350</b>	<b>88355</b>	<b>88455</b>		
Ø 150 mm (6")	5 m	<b>88360</b>	<b>88365</b>	<b>88460</b>		<b>88480</b>
Ø 75 mm (3")	7,5 m	<b>88333</b>	<b>88336</b>	<b>88446</b>		
Ø 100 mm (4")	7,5 m	<b>88343</b>	<b>88346</b>	<b>88451</b>		
Ø 125 mm (5")	7,5 m	<b>88353</b>	<b>88356</b>	<b>88456</b>		
Ø 150 mm (6")	7,5 m	<b>88363</b>	<b>88366</b>	<b>88461</b>		<b>88481</b>
Ø 75 mm (3")	10 m	<b>88331</b>	<b>88337</b>	<b>88447</b>		
Ø 100 mm (4")	10 m	<b>88341</b>	<b>88347</b>	<b>88452</b>		
Ø 125 mm (5")	10 m	<b>88351</b>	<b>88357</b>	<b>88457</b>		
Ø 150 mm (6")	10 m	<b>88361</b>	<b>88367</b>	<b>88462</b>	<b>88575</b>	<b>88482</b>
Ø 75 mm (3")	12,5 m	<b>88334</b>	<b>88338</b>	<b>88448</b>		
Ø 100 mm (4")	12,5 m	<b>88344</b>	<b>88348</b>	<b>88453</b>		
Ø 125 mm (5")	12,5 m	<b>88354</b>	<b>88358</b>	<b>88458</b>		
Ø 150 mm (6")	12,5 m	<b>88364</b>	<b>88368</b>	<b>88463</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.



**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-adaptor and two hose clamps (temp. resistant +150 °C).

Hose diameter	Length
Ø 75 mm (3")	2 x 1,5 m
Ø 100 mm (4")	2 x 1,5 m
Ø 125 mm (5")	2 x 1,5 m
Ø 150 mm (6")	2 x 1,5 m

88339  
88349  
88359  
88369



### 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")

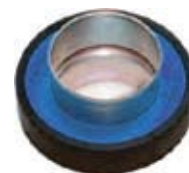
88485  
88486  
88487  
88488



### 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")

Part No

88441  
88442

**B**  
Hose clamps are used to fix the hose directly on to the ducting.

Description	For hose diam.
Hose clamp	Ø 100 mm (4")
Hose clamp	Ø 150 mm (6")

72101011  
72101021

**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")

88590  
88591  
88592  
88593  
88594

**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
Balancer with locking device on/off	4,5 m	7-16 kg
Balancer without locking device	3 m	7-14 kg
Balancer without locking device	3,5 m	5-14 kg

88440  
84435  
84437  
84438  
84436

**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")	0,37 kW - 1 400 m³/h
Kit for Car	100 mm (4")	0,37 kW - 1 400 m³/h
Kit for Trucks	125 mm (5")	0,75 kW - 2 160 m³/h
Kit for Trucks	150 mm (6")	0,75 kW - 2 160 m³/h

84440  
84441  
  
84442  
84443

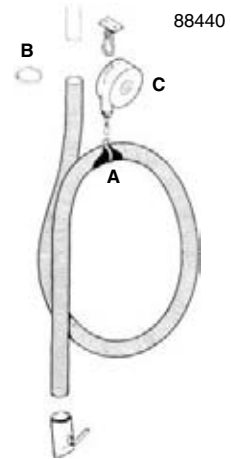
*Note! Exhaust Nozzle must be ordered separately.*

**Exhaust Drop on Swinging Arm**

Description	Exhaust hose	Length Arm
Swing arm	Ø 150 mm/6"	4,5 m
Swing arm	Ø 150 mm/6"	6 m
Swing arm	Ø 150 mm/6"	8 m

84420  
84421  
84422

*Note! Exhaust Nozzle and Fan must be ordered separately.*



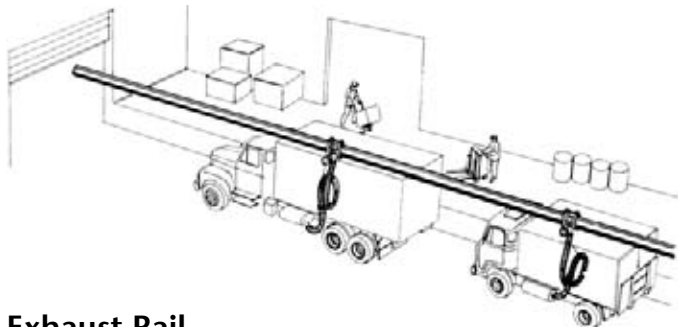
Nozzle see page 135.



## 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

Standard mounting tool for rubber lip.

Part No

84201  
84202  
84203  
84204  
84205  
84206  
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"

**Not! Hose and nozzle order separately!**

84211  
84212



### 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"

**Not! 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

Description	Hose diameter	Oval nozzle opening	Part No
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>



### Rubber Nozzle with Probe Opening and Clamp Fixing

Description	Hose diameter	Oval nozzle opening	Part No
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>



### Rubber Nozzle with Probe Opening and Damper

Description	Hose diameter	Oval nozzle opening	Part No
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>



### Rubber Nozzle with Probe Opening, Damper and Clamp Fixing

Description	Hose diameter	Nozzle opening	Part No
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>



### Rubber Nozzle with Probe Opening, Spring Fixing

Description	Hose diameter	Nozzle opening	Part No
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>



### Metal Nozzle with Rubber Lid

Description	Hose diameter	Nozzle opening	Part No
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

Telescopic handle for Stacker nozzles.

Spring clip for Stacker nozzles.



Part No

88396

88397

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"	88555
Exhaust nozzle, for compressed air	Ø 150 mm/6"	Ø 90-160"	88556

88555



88555

88556

### 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

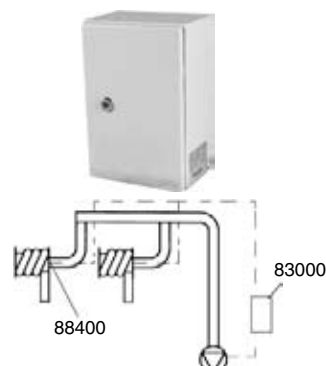


### Starter

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

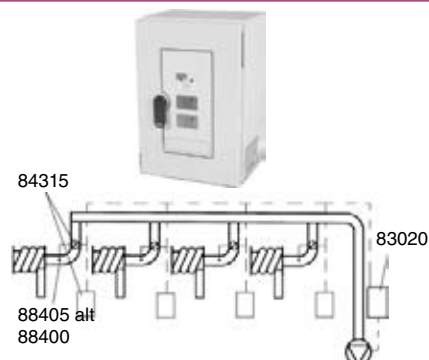


### Control Box

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



## 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 5,5 KW, PID regulator, EMC-filter, 380-460 V  
 DCV Controller 7,5 KW, PID regulator, EMC-filter, 380-460 V

Pressure sensor (0-1600 Pa).

### Part No

84370  
 84371  
 84372  
 84373  
 84374

83040



## Fan Starter with Push-button

To be used when no automatic start or control 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



## Automatic Damper

Fully automatic, motorized damper, Ø 160 mm, with built-in energy saver. Adjustable delay 7 sec. to 6 min. Should be supplemented with a switch assembly (88400).

Description	Power supply
Automatic damper	1~230 V AC

84315



## 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 (88430), 230V/24 V, 75 W.

Description	Power supply
Transformer	230 V/24 V AC, 75 W

88431

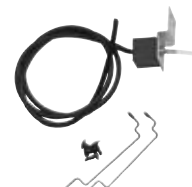


## Micro Switch

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. 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 2 m
- Extraction 3 m
- Extraction 4 m
- Manual damper with rubber seal

Part No

- 84400
- 84402
- 84405
- 84615



### Mobil Mechanical Filter

1 phase 0,75 kW 220-240V 50Hz. Delivered with a 5 m cable. Filter up to 99% of the pollution.

**Description**

- Unit with out extraction arm (for arm see below)
- Extraction arm to be mounted on the unit
- Extraction arm to be mounted on the unit
- Basic Extraction arm to be mounted on the unit
- Pre filter, aluminium (spare part)
- Cellulosa cassett (spare part)
- Glass fiber cassett (spare part)

**Length**

- 2 m
- 3 m
- 3 m

- 84601
- 84401
- 84403
- 84404
- 84610
- 84611
- 84612



84601+84401

### Bracket

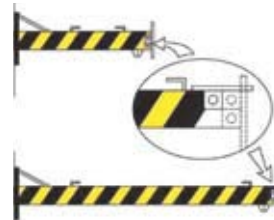
Bracket 1.1 m or 2,2 m long, for ceiling, floor, wall or bench mounting of Extraction arms. 50 kg equipment can be suspended from the tool anchor plate at the end.

**Description**

- |         |       |
|---------|-------|
| Bracket | 1,1 m |
| Bracket | 2,2 m |

**Length**

- 88418
- 88419



### 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**

- |               |       |
|---------------|-------|
| Extention arm | 1,5 m |
| Extention arm | 2,5 m |
| Extention arm | 4,5 m |

**Length**

- 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



### Inductive Sensor for additional workstations

**Description**

- Inductive Sensor

- 88432



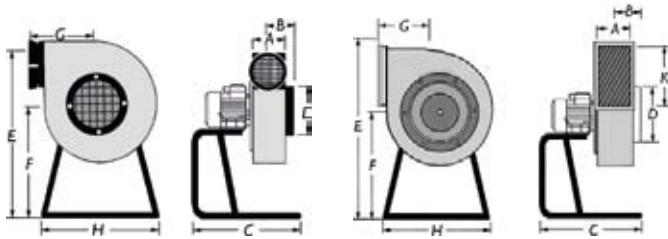
## Fans for Exhaust and Fumes

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	1.400 m³/h	3~ 230/400 V, 50 Hz	1,0-1,1 A	0,37 kW
Fan	1.800 m³/h	3~ 230/400 V, 50 Hz	1,4-1,5 A	0,55 kW
Fan	2.160 m³/h	3~ 230/400 V, 50 Hz	1,9-2,0 A	0,75 kW
Fan	2.160 m³/h	230V, 50 Hz	5,0 A	0,75 kW
Fan	3.000 m³/h	3~ 230/400 V, 50 Hz	2,5-2,7 A	1,1 kW



### Dimensions in mm

A	B	C	D	E	F	G	H	K	Weight
Ø 160	95	430	Ø 160	650	415	245	445	-	15,6 kg
Ø 160	95	430	Ø 160	650	415	245	445	-	16,4 kg
Ø 160	95	430	Ø 160	660	425	245	445	-	19,4 kg
Ø 142	110	450	Ø 250	740	410	230	445	215	24,0 kg

### 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	< 1.080 m³/h

### Recommended Air Flow

Cars = 360 m³/h  
Trucks = 1080 m³/h

### 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

Part No

84320

84323

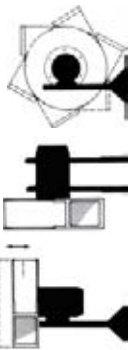
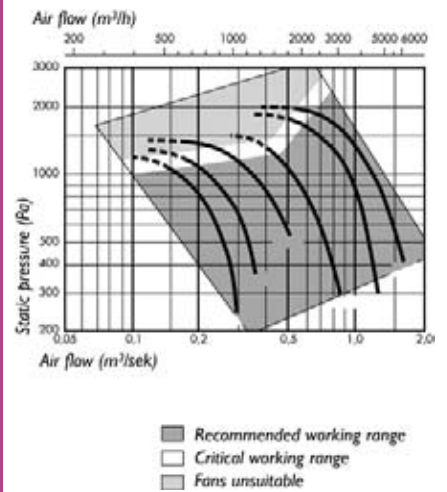
84325

84465

84330

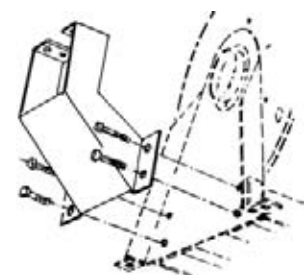
Vehicle	Max no.	Hose Dim	Hose length
PV	< 2	100 mm	7,5 m
PV	< 3	100 mm	7,5 m
LV	1	150 mm	10 m
PV	< 4	100 mm	7,5 m
LV	1	150 mm	12,5 m
PV	< 4	100 mm	7,5 m
LV	1	150 mm	12,5 m
PV	< 5	100 mm	10 m
LV	< 2	150 mm	10 m

### Pressure Drop Chart



The universal support offers numerous mounting options.

88410

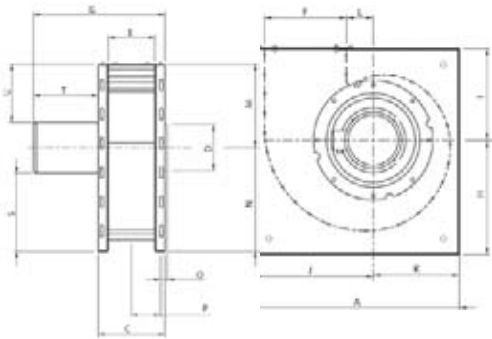


## Fans

### 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
1.100	1.100	320	320	250	448	805	621	479	653	447	137 kg

### Part No

84360

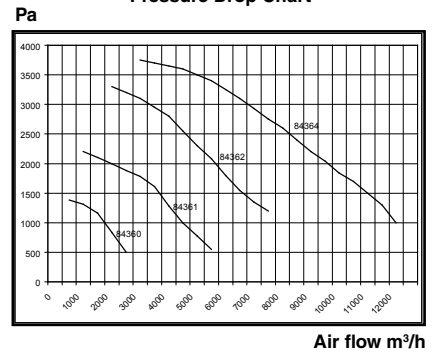
84361

84362

84364



Pressure Drop Chart



### Fan Accessories

Description	For Fan
Outlet from rectangular to round Ø 250 mm	84330
Outlet from rectangular to round Ø 250 mm	84360
Outlet from rectangular to round Ø 315 mm	84361
Outlet from rectangular to round Ø 400 mm	84362
Outlet from rectangular to round Ø 500 mm	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

84388

84389

84390

84391





# 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

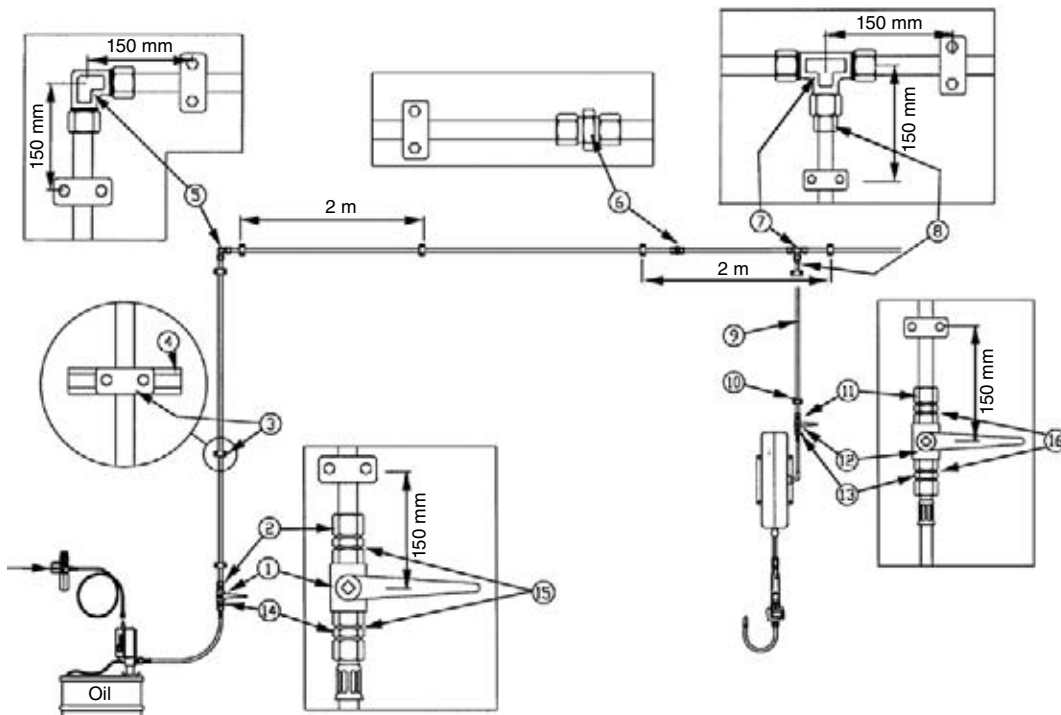
### Installation Components

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	90101120
	(L= 6 m)	(L= 6 m)	(L= 6 m)	
10	Pipe clamp	70101249	70101273	70101249
11	Male connector	10103724	10103295	10103724
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, 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.





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

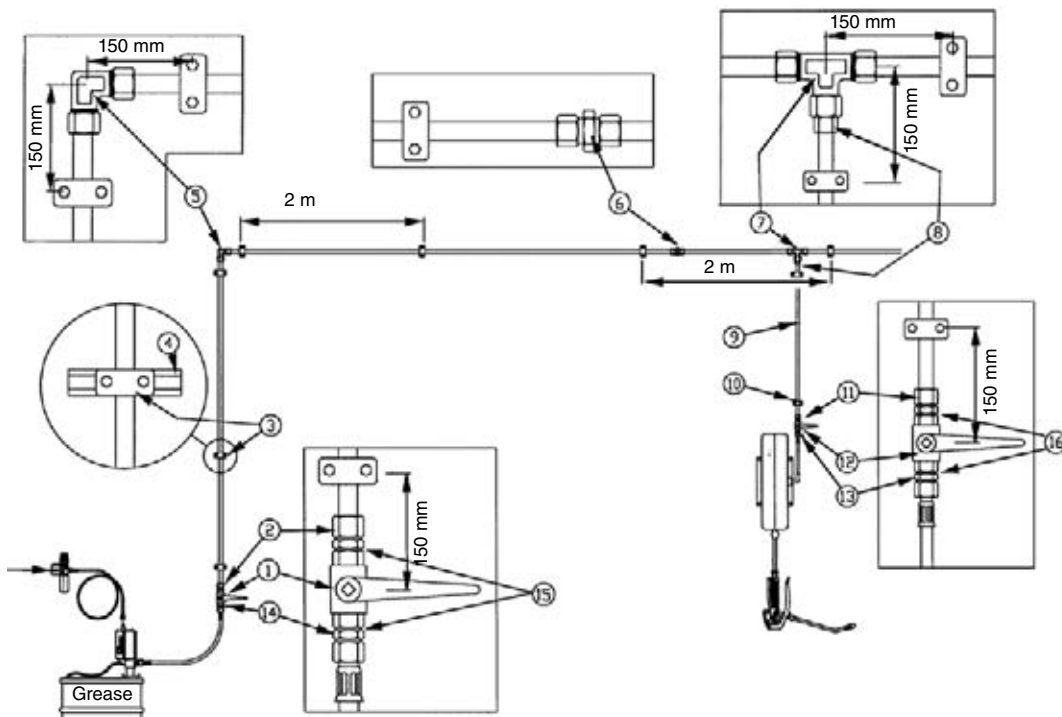
Installation Components

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	10106487	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
			+25102036	+25102047
			+10105986	+70091220
14	Adapter	25102047	25102047	70091220
			+10105986	+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, 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

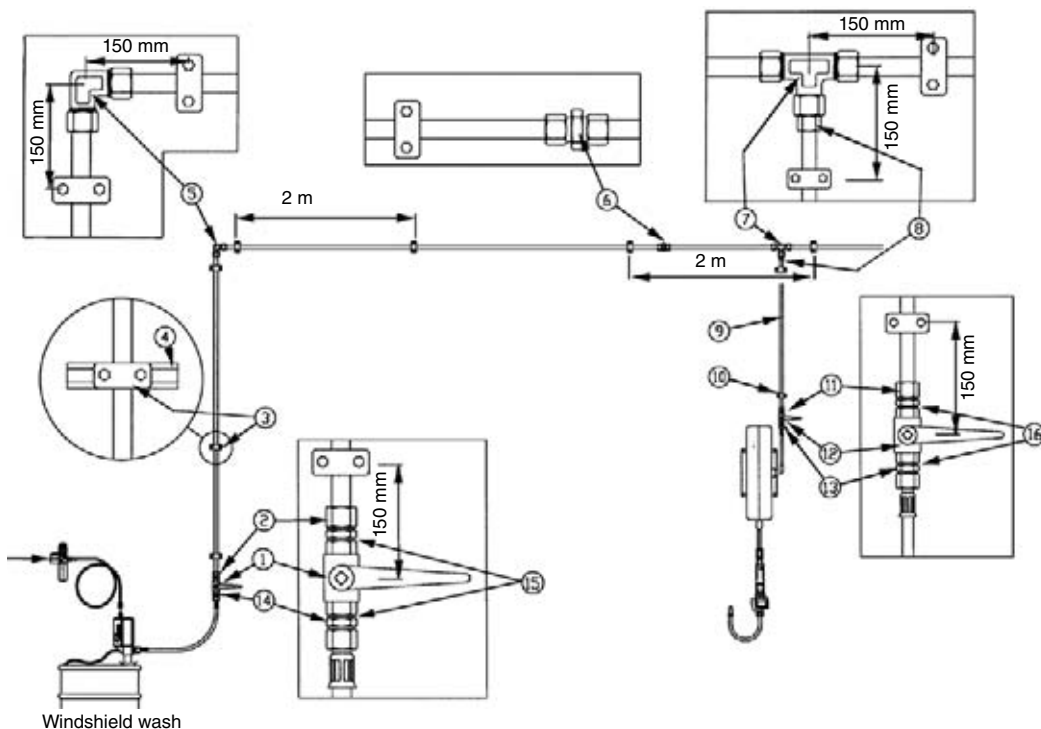
### Installation Components

Item Nos refer to the drawing below

Item	Description	Pipe diameter	Pipe diameter
		Ø 15 x 1,5 mm	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	70501423
		(Length= 2 m)	(Length= 2 m)
5	Angle connector	10202365	10202377
6	Union connector	10201363	10201375
7	Tee connector	10202275	10202296
8	Reducer	-	-
9	Pipe	90201015	90201030
		(Length= 6 m)	(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:Item1, 2, 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

**Part No**

10103532  
 10103529  
 10103547  
 10103526  
 10103544  
 10103517  
 10103523  
 10103520  
 10103538



## 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 1/2" - G1"	40 MPa (400 bar)
Adapter	G2" - G2"	40 MPa (400 bar)

25101978  
 25102023  
 25101981  
 25102032  
 25101987  
 25102035  
 25102041  
 25101999  
 25102038  
 25102047  
 25102053  
 25102008  
 25102056  
 25102065  
 25102011  
 25102068  
 25102071  
 25102074  
 25102020



## 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)

25101768  
 25101771  
 25101774  
 25101780  
 25101783



## Bushings, in Steel

Description	Thread (male-female)	Max. pressure
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" - G1 1/4"	40 MPa (400 bar)
Bushing	G1 1/4" - G3/4"	40 MPa (400 bar)

10105998  
 10106001  
 25101864  
 25101871  
 70091220  
 10105941



## Adapter in Steel

Description	Thread (female-female)	Max. pressure
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)

25101942  
 25101948  
 25101963



## 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)

10201474  
 10101474  
 10101519  
 10101567  
 10101564  
 10101498  
 10101591  
 10101588



### 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" - G3/8"	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  
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)

25102428  
25102431  
25102434  
25102440  
25102446



### Adapters with two Swivelling Nuts, in Steel

Description	Thread (female-female)	Max. pressure
Adapter	G1/2" - G1/2"	64 MPa (640 bar)
Adapter	G3/4" - G3/4"	64 MPa (640 bar)

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)

25101126  
25101132



### 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" - 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 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"	38221208
Hose Fitting	3/4" (20 mm)	G3/4"	38221212
Hose Fitting	3/4" (20 mm)	G 1"	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



### Adapters in Stainless Steel

Description	Threads	Max. pressure	Part No
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
BKH R 1/8	Grease and oil	G1/8"	50 MPa (500 bar)
BKH R 1/4	Grease and oil	G1/4"	50 MPa (500 bar)
BKH R 3/8	Grease and oil	G3/8"	50 MPa (500 bar)
BKH R 1/2	Grease and oil	G1/2"	50 MPa (500 bar)
BKH R 3/4	Grease and oil	G3/4"	40 MPa (400 bar)
BKH R 1	Grease and oil	G 1"	35 MPa (350 bar)
BKH R 1 1/4	Grease and oil	G 1 1/4"	35 MPa (350 bar)

### Shut-off Valves in Brass

Valves in brass with PTFE-seals, lever or handle. For Oil, air and water

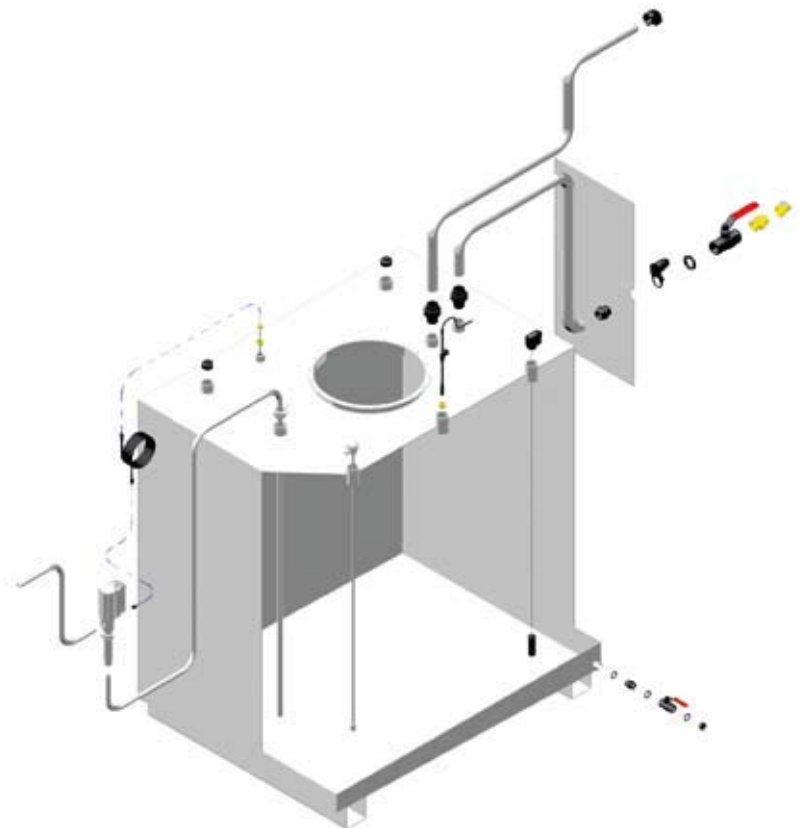
Thread (f)	Pressure	Operation
G3/8"	6,4 MPa (64 bar)	Lever
G1/2"	6,4 MPa (64 bar)	Lever
G3/4"	4,0 MPa (40 bar)	Lever
G1"	4,0 MPa (40 bar)	Lever
G1 1/4"	2,5 MPa (25 bar)	Lever
G1 1/2"	2,5 MPa (25 bar)	Lever
G2"	2,5 MPa (25 bar)	Lever
G1/4"	6,4 MPa (64 bar)	Handle
G3/8"	6,4 MPa (64 bar)	Handle
G1/2"	6,4 MPa (64 bar)	Handle
G3/4"	4,0 MPa (40 bar)	L-drilled, 3 ways
G1/4" (f) - G1/4" (m)	2,5 MPa (25 bar)	Needle valve

#### Part No

30201339  
 30201330  
 30201354  
 30201315  
 30201345  
 30201300  
 30201309



28513











# 14 Sorbents

Sorbents for Oil Only .....	152
Universal Sorbents .....	153
Spill Rugs .....	154

## 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*
Strong	41 x 46 cm	100/box	120
Strong	41 x 46 cm	200/box	154

**OGW** for industrial cleaning, very absorbent and doesn't leave lint.

Description	Size	Quantity	Absorbency*
Extra strong	41 x 46 cm	100/box	114

#### Rolls

**OGW** for industrial cleaning, very absorbent and doesn't leave lint.

Description	Size	Quantity	Absorbency*
High weight	41 cm	46 m/roll	114
High weight	81 cm	46 m/roll	228

#### 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.

#### Mini Booms

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

#### 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	56 cm	25/box	50

\* Absorbency in litres/packaging

Part No



OPW75  
OPW70



OGW75



OGW914  
OGW90



OSW30  
OSW37  
OSW54S



OSW76



## Sorbents for Universal Use

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 perfed for a customized fit.

### Pads

Description	Size	Quantity	Absorbency*
High weight	41 x 46 cm	100/box	120
Light weight	41 x 46 cm	200/box	154

Part No

**UBG75**  
**UBG70**


### Rolls

Description	Size	Quantity	Absorbency*
High weight	41 cm	46 m/roll	114
High weight	81 cm	46 m/roll	228

**UGG914**  
**UGG90**


## UPG-Sorbents

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	108

**UPG75**

### Rolls

Description	Size	Quantity	Absorbency*
High weight	81 cm	46 m/roll	240

**UPG90**


## 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.

### Mini Booms

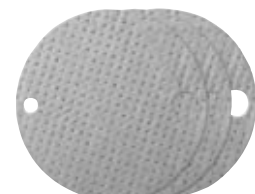
Description	Size	Quantity	Absorbency*
Mini Boom	Ø 7,6 x 122 cm	15/package	85
Mini Boom	Ø 7,6 x 305 cm	6/package	84

**USG30**  
**USG37**


## 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	56 cm	25/box	50

**USG76**


\* Absorbency in litres/packaging

## 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

UGCH90



### 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	127

TR91



### 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	363

M151



\* Absorbency in litres/packaging







**Notes:**

Lined area for notes with horizontal dashed lines.





**Notes:**

A large rectangular area with rounded corners, containing numerous horizontal dotted lines for writing notes.

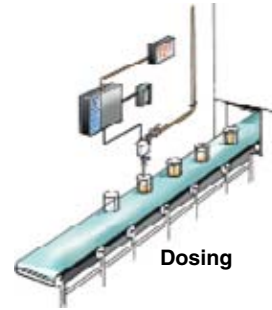
# Industry



Distribution Equipment



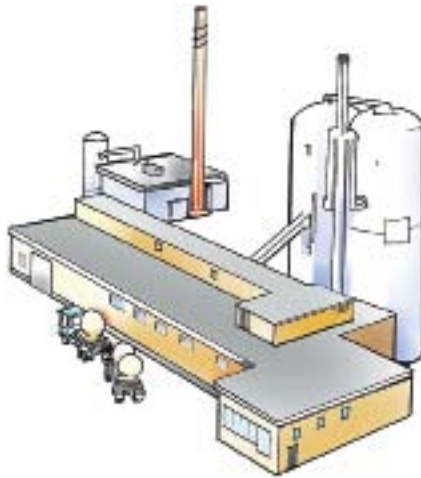
Pumping



Dosing



Hose Reels



Accessories

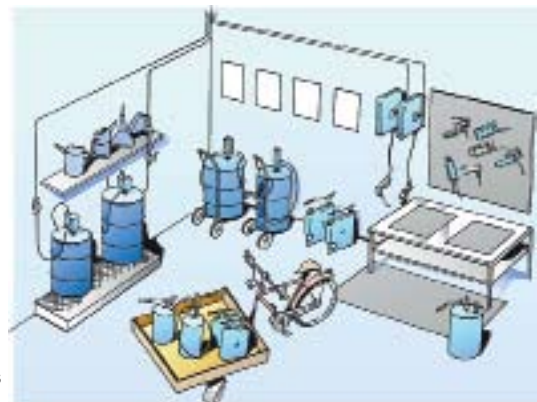


Exhaust Extraction



Smoke Extraction

Mobile Units



Complete Solutions

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