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Alentec & Orion AB SWEDEN

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Hose Reels



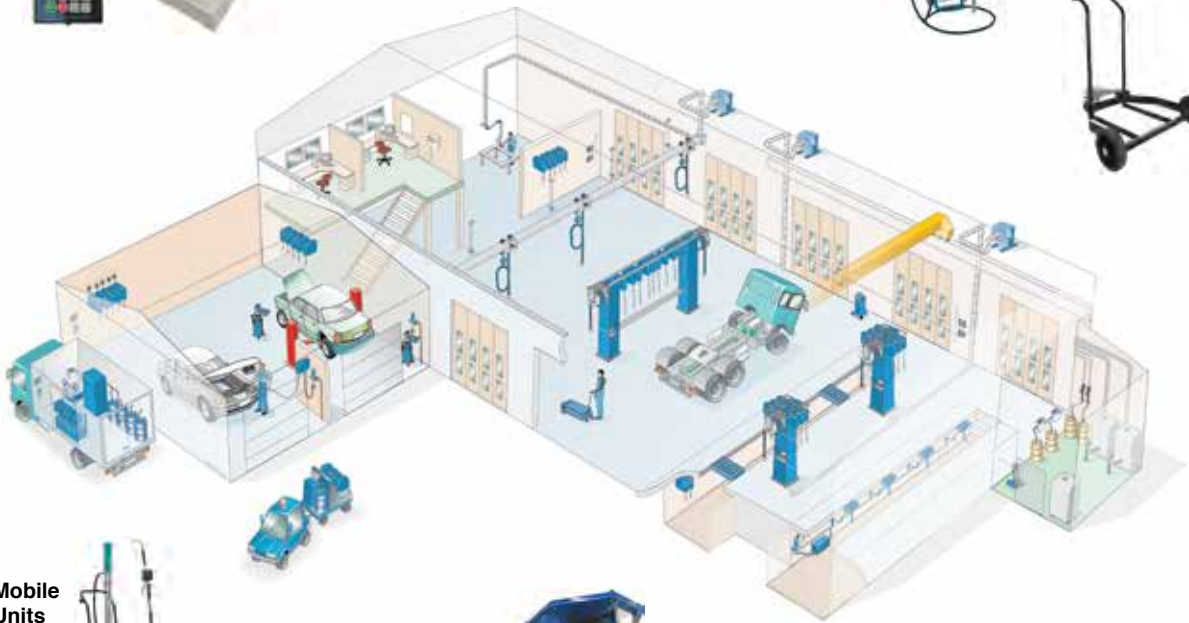
Monitoring Systems



Hose End Controls



Accessories



Mobile Units



Waste Oil Equipment



Service Stands & Towers



Pumps

“We are in the frontline of lubrication equipment development”

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

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

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

Orion is an international company with headquarters in Sweden. We are represented in more than 50 countries in the world and are expanding rapidly. Orion companies in United Kingdom, Belgium and France together with an extensive distributor base are supporting the market.



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2455000	107, 110	30201339	150	509ROSTFRI	42		
2468010	13, 108	30201345	150	512ROSTFRI	42		
2468011	108	30201354	150	513K	42		
2468050	13, 108	35101216	148	514B	42		
2468051	108	35101222	148	519F	42		
2468060	74, 104	35101258	148	535F	42		
2468061	74, 104	35101273	148	535F	42		
2468064	74, 104	38220406->1612	149	547K	42		
2468070	89, 106	38220812	74, 104	580ROSTFRI	42		
2470010	13	38221612	149	A1184	43		



1 oil

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Air Operated Oil Pumps

Oil Pump, Pressure Ratio 1:1

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

Pressure ratio 1:1

Capacity	Max 40 l/min., free flow, at 1,0 MPa, (10 bar)
Air pressure	Max 1,0 MPa (10 bar)
Connections	Air: G1/4" (f) Oil: Outlet G3/4" (f) Inlet (22700) G1" (f)
Weight (approx.)	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

Capacity	Max 22 l/min., free flow, at 1,0 MPa, (10 bar)
Air pressure	Max 1,0 MPa (10 bar)
Connections	Air: G1/4" (f) Oil: Outlet G3/4" (f) Inlet (22710) G3/4" (f)
Weight (approx.)	22710 - 2,4 kg 22719 - 3,5 kg 22715 - 3,8 kg

Description

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

22710



22710
22719
22715

22719

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

Capacity	Max 38 l/min., free flow, at 1,0 MPa, (10 bar)
Air pressure	Max 1,0 MPa (10 bar)
Connections	Air: G1/4" (f) Oil: Outlet G3/4" (f) Inlet (22750) G1" (f)
Weight (approx.)	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
Capacity	Max 15 l/min., free flow, at 1,0 MPa, (10 bar)
Air pressure	Max 1,0 MPa (10 bar)
Connections	Air: G1/4" (f) Oil: Outlet G3/4" (f) Inlet (22760) G3/4" (f)
Weight (approx.)	22760 - 4,7 kg 22762 - 6,4 kg

Description
Stub pump
Barrel pump for 205 l drums

Part No



22760
22762

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

Description
High Performance 2:1 Oil Pump

22780



22780

Oil Pump, Pressure Ratio 5:1

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	5:1
Capacity	Max 100 l/min., free flow, at 1,0 MPa, (10 bar)
Air pressure	Max 1,0 MPa (10 bar)
Connections	Air: G1/2" NPT (f) Oil: Outlet G3/4" NPT (f) Inlet (22410) G1 1/2" NPT (f)
Weight (approx.)	22430 - 14 kg

Description
Stub pump, use wall bracket 28647

22430



22430

Installation Kit for Oil Pump 22430

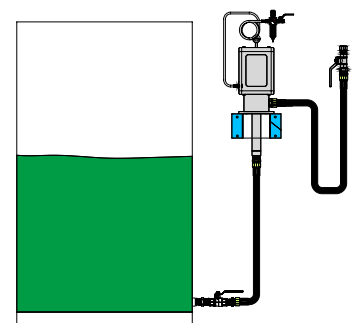
Components for a remote wall mounted air operated oil pump with a suction hose connected to the bottom tank outlet.

Information

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

Note! Pump not included.

99620



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	0,60 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

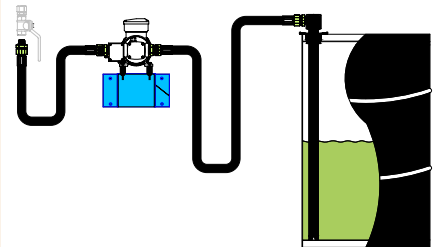
Oil line hose 1,5 metre x 3/4" bore hose
 Drum suction attachment (28310) with 2,0 metre hose and 1,0 metre tube.

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



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 205 l drums and 1.000 l IBC containers.

Information

Air line hose (48001) 1/4" L= 1,5 m
 Oil line hose (28079) 3/4" L= 1,5 m
 Suction hose 28310 L= 2,0 m and suction tube L= 1,0 m
 Installation kit for 22210 with air treatment unit
 Installation kit for 22210 without air treatment unit
 Installation kit for 22310 with air treatment unit
 Installation kit for 22310 without air treatment unit

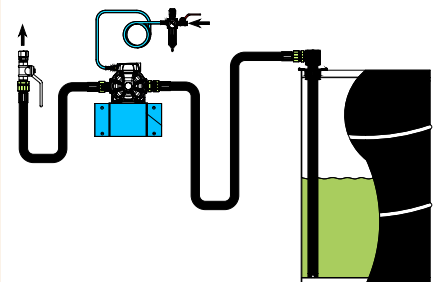
99666

99766

99667

99767

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 (48001) 1,5 metre x 1/4" bore hose
 Oil line hose (28079) 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.

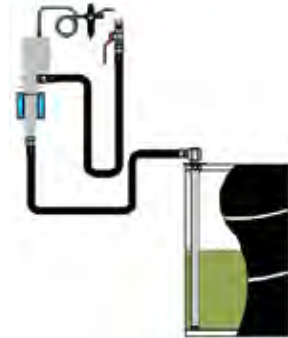
Information

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 m and suction tube L= 1 m

With air treatment unit
 Without air treatment unit

Note: Pump not included, ordered separately.

99626
 99726



Wall mounted Pump Installation Kit

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

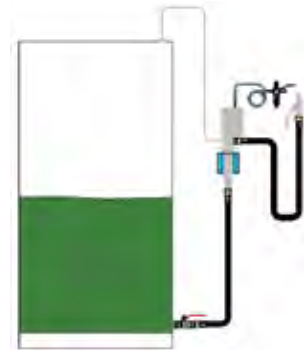
Information

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

With air treatment unit
 Without air treatment unit

Note! Pump not included.

99627
 99727



Floor mounted Pump Installation Kit

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

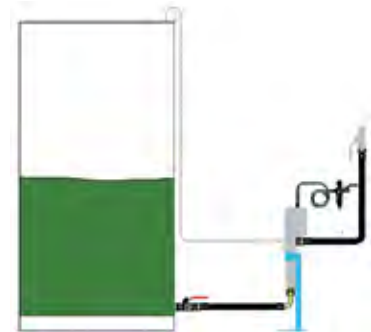
Information

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

With air treatment unit
 Without air treatment unit

Note! Pump not included.

99628
 99728



Wall mounted Pump Installation Kit

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

Information

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

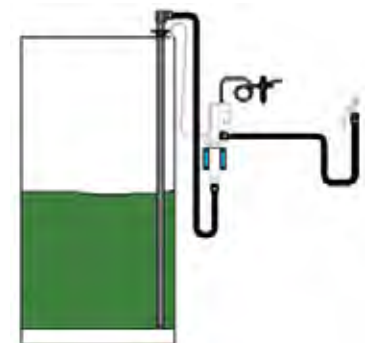
With Oil suction attachment (28311) 2 m hose and 1,7 m tube.
 With air treatment unit
 Without air treatment unit

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

Note! Pump not included.

99629
 99729

99624
 99724



Spring Operated Hose Reels

Distribution Hoses for Oil

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

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

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	24911
Series ORM	15	12,5 - 1/2"	G1/2" (f)	7,5	75	524922

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	724910
Series ORS	15	12,5 - 1/2"	G1/2" (f)	7,5	75	724922

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	24931
Series ORL	15	19 - 3/4"	G3/4" (f)	7,5	75	24932

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	24920

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	24941
Series LOR	20	19 - 3/4"	G3/4" (f)	6	60	24943
Series LOR	15	25 - 1"	G1" (f)	6	60	24945

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	24974
Series ORB	20	19 - 3/4"	G3/4" (f)	6	60	24975
Series ORB	25	19 - 3/4"	G3/4" (f)	6	60	24976
Series ORB	15	25 - 1"	G1" (f)	6	60	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	
Series CRO	10	12,5 - 1/2"	G1/2" (f)	7,5	75	624910
Series CRO	15	12,5 - 1/2"	G1/2" (f)	7,5	75	624922



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

24785

2470010

2470050

2470210

2470250

24786



24785



2470050
2470250



Oil Control Valves

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

Description

- Oil Control Valve without outlet tube
- Oil Control Valve with 60° rigid tube and lockable nozzle
- Oil Control Valve with hose and 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



24562



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:**
70 l/min. 10 MPa (100 bar) G3/4" (f)

24567

24567



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 24785, air treatment unit 42103 and fittings.

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

Part No

28330
28331
28332



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

Consisting of pump 22715, hose reel 624910, hose end meter 24785, air treatment unit 42103 and fittings.

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

28335
28336
28337



Distribution 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 (24785).

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 (24785).

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 (24785) and the necessary hoses and tank connections.

Description

Without protection reservoir.

With protection reservoir.

Note: The tanks are supplied for self assembly.

Part No

SPEC2304
SPEC2305

SPEC2305



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

The tank is supplied with 624910 hose reel, 22710 pump, 24785 hose end meter and necessary hoses and connections. The tank must be installed according to valid rules.

Tank accessories kit, fresh oil
Tank accessories kit, waste oil

Only tank, 1.500 l

Only tank, 1.000 l

Note: The tanks are supplied for self assembly.

SPEC2307

99430
99431

92095
92096



Mobile Oil dispenser with safety trolley

Consisting of an oil pump 22715, hose reel 24911 with hose end meter and safety trolley 28350.

22159



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	26016 25016
Empty 20 l drum*	25006, 25016	Ø 295 x 375 mm	26006 25006 2345386 1825106

Part No

26016

26006

25006



Mobile Oil Dispensers for 60 l Drums

Consisting of an oil pump 22719, 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	22052
Oil dispenser	500 x 450 x 1.250 mm	28526	24700	22053
Oil dispenser	450 x 620 x 1.200 mm	28528	24785	22152
Oil dispenser	500 x 450 x 1.250 mm	28526	24785	22153

22052

22153



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	22054
Oil dispenser	800 x 620 x 1.200 mm	28645	24785	22154
Oil dispenser	800 x 620 x 1.200 mm	28276	24785	22155

22154

22054



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	24785	22158

22158



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

Spare parts:

Lid
Gasket for lid
Pressure gauge

Part No

21036



21036

2395093

2395092

2315312

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 205 l Drums

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

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

21504



Mobile Oil Dispensers, Oil Bar

Portable Oil Dispensers

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

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

* Engine oil, +20 °C.

Part No



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

24101



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. Suction tube diameter Ø 36 mm.

Description	For drum	Capacity (approx.)**	Part No
Drum pump with outlet hose	20 l	0,1 l/stroke	21500
Drum pump with outlet hose	60 l	0,1 l/stroke	21506
Drum pump with outlet hose	200 l	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

** Engine oil, +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 l/stroke.

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

Part No

 21650
 21652

 21662
 24599
 2015259


Drum Pumps

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

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

 21210
 21211

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

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

21130

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
Adapter	G2" (f) - DIN 63 (f)	2310044



* For 21210 and 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

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 ³
Suction pump	800 cm ³

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 ³	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 ³	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)	24506
Drum Tap, ball valve	Brass	G3/4" (m)	24624



Drum Taps in Plastic

Drum taps for oil containers

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



Oil Cans

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



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



Calibration Measure

To be used when meters must be calibrated

Description	Volume	Part No
Calibration Measure	2 l	4342000



Measures, Funnels & Wash/Oil Drain Bowls

Graduated Measures

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

Description

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

Part No

21609



Oil Containers

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

Description

Description	Volume
Oil Container	6 l
Oil Container	10 l

21644

21645



Funnels

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

Description

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

21630

21631

21633

21630

21631



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

21606 / 21607

Tin Funnels

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

Description

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

21628

21629

21634

21628

21634

21629



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

21635

21619

21509

21664



Garage kit

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

21610



Installation Accessories

Air Treatment Units

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

Accessories:

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

Part No

42103

 2026154
 2226155

2026154

42103



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

48001



Bung Adapters

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

For pump tube diameter

Fits Orion pump models

32	22710, 22715, 22760, 22762
50	22700, 22705, 22720, 22725, 22750, 22752
52	22802
54	22770, 22775, 22410
35	For hose

 28585
 28595
 28592
 2125753
 28587


Wall Brackets and Floor Stands

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

Description

Wall bracket

Floor stand

Wall bracket for Diaphragm Pumps 1/2"

Wall bracket for Diaphragm Pumps 1"

 28524
 28506
 28553
 28552

28506

28524



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.

Description	Information	Material	Part No
Pressure relief valve	Releases pressure at 6 MPa (60 bar), with the possibility to connect a 1/4" hose or R1/8" fitting.	Steel	28623
Pressure relief valve	Releases pressure at 6 MPa (60 bar), with the possibility to connect a 1/4" hose or R1/8" fitting.	Brass	28625
Banjo fitting	G 3/4" (m/f) and G1/4" (f) to fit the PRV to pumps without special PRV connection	Steel	28629

Part No

28623



28629



Pressure Relief Hoses

Description

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

28637
28638



28637



28638

Connection Oil Hoses

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

Description

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

28078

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

28080

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

28079

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

28272

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). Suction tube diameter for 28310 and 28311 Ø 42 mm.

Riser tube length	Hose dim.	Hose length	Part No
1,08 m	3/4"	2 m	28310
1,7 m	3/4"	2 m	28311
-	1"	5 m (max tank height 3 m)	28321

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



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





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*)	50 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

Pressure ratio	60:1
Air motor	Diameter: Ø 80 mm Height: 270 mm Stroke length: approx. 100 mm
Capacity	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.
Air Consumption	
Air Pressure	Max 1 MPa (10 bar)
Pump tube	Ø 30 mm
Connections	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 Ratio 60:1

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

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*)	50 kg	1.190 mm	6,6 kg
930 mm (effective 900 mm*)	180 kg	1.370 mm	7,25 kg

Technical data

Pressure ratio	60:1
Air motor	Diameter: Ø 80 mm Height: 270 mm Stroke length: approx. 100 mm
Capacity	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.
Air Consumption	
Air Pressure	Max 1 MPa (10 bar)
Pump tube	Ø 30 mm
Connections	Air: G 1/4" (f) Grease: Outlet G 3/8" (f)

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*)	50 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

Pressure ratio	80:1
Air motor	Diameter: Ø 80 mm Height: 270 mm Stroke length: approx. 100 mm
Capacity	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.
Air Consumption	
Air Pressure	Max 0,7 MPa (7 bar)
Pump tube	Ø 30 mm
Connections	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

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



Heavy Duty Grease Pump, Pressure Ratio 50:1

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

Pump tube length	For drum	Total length	Weight
810 mm	180 kg	1390 mm	18 kg

Technical data

Pressure ratio	50:1
Air motor	Diameter: Ø 107 mm. Height: 580 mm Stroke length: approx. 81 mm
Capacity	7,2 kg/mi. free flow, air pressure 1,0 MPa
Air pressure	Max 1 MPa
Connections	Air: 1/2" NPT(f) Grease: 3/8" NPT(f)

12862



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

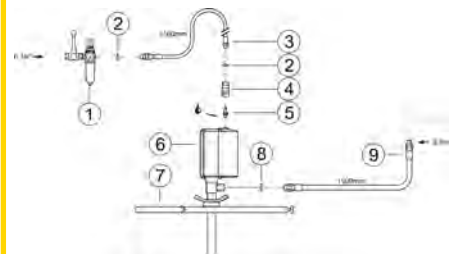
99602

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

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 126 and 127 series
 Grease pump 12852

18565

18566

18565



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). Other lengths are available upon request.

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

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	514215



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

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	Part No
Grease pump, Portable	12-20 kg	2 m	-	12200
Grease pump with trolley	12-20 kg	2 m	28528	12201
Grease pump with trolley	50 kg	3 m	28528	12205
Grease pump with trolley	50 kg	3 m	28526	12305
Grease pump with trolley	180 kg	3 m	28276	12210
Grease pump with trolley	180 kg	3 m	28645	12213
Grease pump with trolley	180 kg	Hose Reel	28645	12214

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

Description	For container	Hose length	Trolley	Part No
Grease pump, Portable	12-20 kg	2 m	-	12220
Grease pump with trolley	12-20 kg	2 m	28528	12221
Grease pump with trolley	50 kg	3 m	28528	12225
Grease pump with trolley	50 kg	3 m	28526	12325
Grease pump with trolley	180 kg	3 m	28276	12230
Grease pump with trolley	180 kg	3 m	28645	12233

Note! Follower plate ordered separately.

Part No

12200
12220



12201
12221



12205
12225



12214



12210
12230



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	Part No
Chassis lube unit	450 x 620 x 1.200 mm	22057



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

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

Description	For container	Hose length
Grease pump (55:1)	12-20 kg	
Grease pump (55:1))	50 kg	
Grease pump (55:1)	180 kg	
Grease pump, Portable	12- 20 kg	2 m
Grease pump with trolley	12-20 kg	2 m
Grease pump with trolley	50 kg	3 m
Grease pump "De-Luxe"	12-20 kg	2 m
Grease pump "De-Luxe"	50 kg	3 m

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

Note! Follower plate ordered separately.

Part No

12540
12541
12542

12130
12121

12131

12134
12135

2345386
1825106

12130

12121



12134

12131



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

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

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

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

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

Note! Follower plate ordered separately.

12235



12234

12234
12235

2345386
1825106

Two Post Ram with Pump

Function like a lift, but also exert downward force.

Ram air cylinders push pump and follower plate into the fluid
Rams feature two-posts that exert downward force on pump to maintain prime. Ram also lifts pump to ease change over of empty fluid containers.

Kit includes pump, follower plate and ram.

Measurements

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

Raised Height - (2.230 mm)

Lowered Position Height - (1.320 mm)

Description

Two Post Ram without pump

Two Post Ram with pump 12852

Two Post Ram with pump 12862

Fluidbag Connection

For grease pump 12852

18300
18310
18320

18078

18300



Mobile Grease Pumps

Portable Grease Pump

Portable grease pump, complete with hose and hydraulic coupling.

Description	Volume	Gram/Stroke	Max pressure	Dimension (L x W x H)	Weight (appr.)	Part No
Portable pump Round container	16 kg	7,5	15 MPa (150 bar)	490 x 240 x 630 mm	7,3 kg	11017
Portable pump Oval container	16 kg	*	35 MPa (350 bar)	380 x 170 x 620 mm	9,15 kg	11018
Portable pump OriCan container	16 kg	30	15 MPa (150 bar)	490 x 240 x 639 mm	7,3 kg	11639

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



High Pressure Grease Pump

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

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



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	11300



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 160-212 mm	11238
Filler pump for 15-18 kg drums	Ø 240-300 mm	11237
Filler pump for 50 kg drums	Ø 365-415 mm	11236
Filler Pump for 12 - 18 kg drums	Ø 265-310 mm	11713
Filler Pump for 20 kg drums	Ø 285-330 mm	11714
Filler Pump for 50 kg drums	Ø 350-395 mm	11715
Quick coupling		55500306
Quick nipples		55500206



Bearing Packer

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

From Ø 19 - Ø 150 mm bearing size.

11709



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 cm³/stroke.

Volume	Dimension	Type of nozzle
60 cm ³	Ø 30 x 115 mm	Funnel/hydraulic nozzle
60 cm ³	Ø 30 x 115 mm	Pointed nozzle
150 cm ³	Ø 40 x 240 mm	Funnel nozzle
150 cm ³	Ø 40 x 240 mm	Pointed nozzle
150 cm ³	Ø 40 x 240 mm	Hydraulic nozzle
60 cm ³	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
Standard	0,8 g/stroke	350 bar
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		
Grease pump with 1000 cm ³ container		
Lever Grease Pump, Industry	0,8 g/stroke	700 bar
Lever grease pump with bleeder nipple and hydraulic coupling		
11210 with 300 mm grease hose (part.no 14043).		
Lever Grease Pump 750, Heavy duty	0,8 g/stroke	750 bar
Lever grease pump with a comfortable handle, bleeder nipple, hose and hydraulic coupling. Delivered in a stylish box.		
Lever Grease Pump "Speedy Grease" with magnet. (not for bulk grease)	2,5 g/stroke	350 bar
Lever grease pump with hose , fitting and followers.		
Follower 24 pcs		
Adapter for screw tube		
Lever Grease Pump, Professional Duty	1,3 g/stroke	700 bar
Lever grease pump with bleeder nipple and hydraulic coupling		
Lever Grease Pump, Extra Heavy Duty	1,1 or 1,7 g/stroke	700 bar
Lever grease pump with bleeder nipple and hydraulic coupling		

11205
1120510
1120520
1120530
11214

11210
1121020

11750

11207
1315625
1315627

11220

11230



11205



11214



11210



11750



11207



11220



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)	11226
Industry	0,8 g/stroke (NLGI 2)	45,5 MPa (455 bar)	11225



Air Operated Grease Pump

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

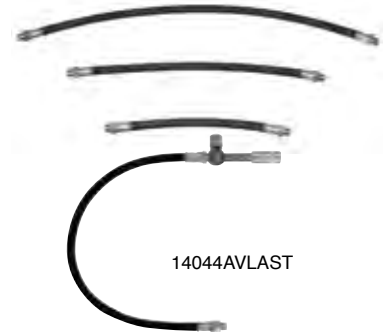
Description	Max air pressure	Follower	Outlet	Capacity (approx.)	Part No
Air operated grease pump	1 MPa (10 bar, 150 psi)	Spring	Rigid	500 cm ³	12517
Air operated grease pump	1 MPa (10 bar, 150 psi)	Air driven	Hose	1.000 cm ³	12527



Grease Outlet Hoses

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

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



Loader Pump for Grease Pumps

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

Description

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

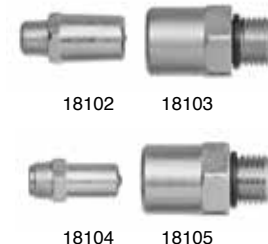
11710
11711
11712



Loader Nipple

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

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



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 with space for an extra battery and cartridge.

Description	Max capacity	Max Pressure	Weight
Grease pump	150 gr/min.	45 MPa (450 bar)	7,8 kg
Extra battery			
Grease pump with meter 14710			
Extra hose			

Part No

13511
1355004
13520
1355001

13511



13520



18 Volt Cordless Grease Pump, NiMh 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 3 cartridges per battery charge. Supplied with two high-capacity (NiMh) 18 V batteries, fast charger, 1 metre high pressure flexible hose with hydraulic coupler, bleeder valve and loader nipple. All delivered in a heavy duty carrying case.

Description	Max capacity	Max Pressure	Weight
Grease pump	160 gr/min.	45 MPa (450 bar)	7,6 kg
Extra battery			
Grease pump with meter 14710			
12 V Charger			

13515
1355010
13525
1355009

13515



18 Volt Cordless Grease Pump, Li-Ion Battery

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

Description	Max capacity	Max Pressure	Weight
Grease pump	160 gr/min.	45 MPa (450 bar)	6 kg
Extra battery			
Battery charger 230 V			

13516
1355020
1355022

13516



Grease spray unit

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

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

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

12519



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	-	-	14715
Outlet tube + nozzle, L=140 mm	Ø 15 mm	14512	4 st	14517
Outlet tube + nozzle, L=140 mm	Ø 18 mm	14514	3 st	14519



Hydraulic Nozzle

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

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

14512 / 14516



14514



14560



14001



14523



14528



Slip-Sleeve Connectors

For easy change of different nozzles.

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



14015 14016



14070



14017

14018 / 14019

Slip-Sleeve, Needle Nozzles

For connection to all hydraulic nozzles.

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

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	14067
Needle nozzle with rubber tip	14068
Needle nozzle	14069



14067



14068



14069

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	Metallic	14045
Button Head	Ø 16 mm, 15 mm 6-hex	21 mm	Metallic	14046
Button Head	Ø 16 mm, 15 mm 6-hex	22 mm	Rubber	14055
Button Head	Ø 22 mm	28 mm	Rubber	14050
Button Head	Ø 22 mm	44 mm	Rubber	14056
Button Head	Ø 22 mm	21 mm	Metallic	14057
Packing Kit for 14056				398726

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

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

Manufactured according to DIN 71412.

Material: Zinc coated steel, hardened head.

Stainless Steel equivalent to SS 2346 (AISI303)

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

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

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

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

19002

19009



19009

19002

Protection Cover for Grease Fittings

Protects hydraulic grease fittings from ingress of dirt.

Description

Protection for grease fittings red
Protection for grease fittings yellow

P499
P499G

P499

P499G



LUB 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



Button Head Fittings

Material: Zinc coated steel

Stainless steel equivalent to SS 2346 (AISI303).

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

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



Extension

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

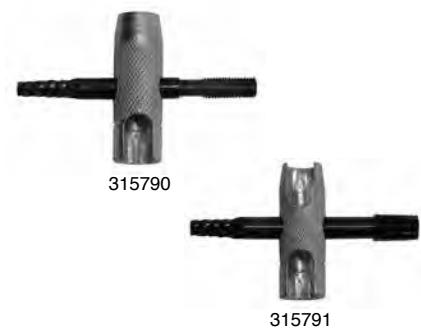
Description	Length	Conn. threads	171
Extension	32 mm (overall), extends the fitting approx. 25 mm	G1/8" (f) - G1/8" (m)	



Fitting Tool

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

Description	315790	315791
Fitting tool 1/4" - 28" SAE		
Fitting tool 1/8" NPT		



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"	48001
Air line hose	1/4" i.d.	3,0 m	G1/4"	480013M
Air line hose	3/8" i.d.	1,5 m	G3/8"	48002
Air line hose	3/8" i.d.	3,0 m	G3/8"	480023M
Air line hose	1/2" i.d.	2,0 m	G1/2"	48017

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 mm	12852	28590
30 mm	12750, 12751, 12752, 12755, 12756, 12757, 12650-52	28591
26 mm	12540, 12541, 12542	28586

28586



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).	18527
18-20 kg	290 - 327 mm	18528
50 kg	345 - 380 mm	18532
50 kg	360 - 405 mm	18526
180 kg	560 - 605 mm	18525

Spare screw kit (3 screws)

1485016

Carrying handle for 18527

1125357

T-screw kit for plastic buckets (20 kg)

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 product.

Grease Pumps series 126-127 series
Grease pump 12852

18565
18566



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). Other lengths are available upon request.

Description

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

18107
18110
18112



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!



3 Waste Oil

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Suction & Waste Oil Pumps

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

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

Pressure ratio	1:1 5:1
Capacity	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)
Air pressure	Max 1 MPa (10 bar)
Connections	Air: G1/4" (f) Oil: Inlet G3/4" (f) Outlet G1" (f)
Weight	22802 - 2,8 kg 22575 - 4,9 kg

Part No

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.

Pressure ratio	2:1
Capacity	Max 60 l/min., free flow at 1,0 MPa (10 bar)
Air pressure	Max 1 MPa (10 bar)
Connections	Air: G1/4" (f) Oil: Inlet G3/4" (f) Outlet G3/4" (f)
Weight	(approx.) 10 kg

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

22780



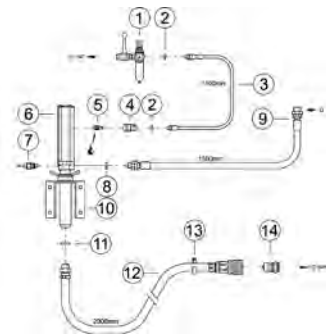
Wall Mounted Pump Installation Kit

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



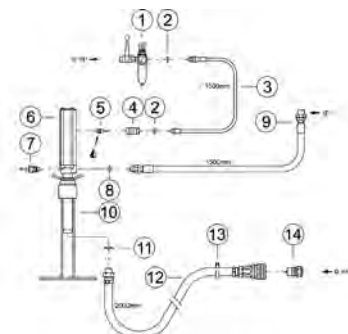
Floor Mounted Pump Installation Kit

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 624910, suction pump 22802, wall bracket, quick coupling with suction probes 2295014, suction strainer with vacuum gauge and air quick coupling. Capacity when using Ø 8 mm suction probe (engine oil +60 °C): 2 l/min.

Description

Waste oil suction kit with suction probes and hose reel

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

Waste Oil Suction Unit

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

Description

Waste oil suction kit with suction probes

Part No

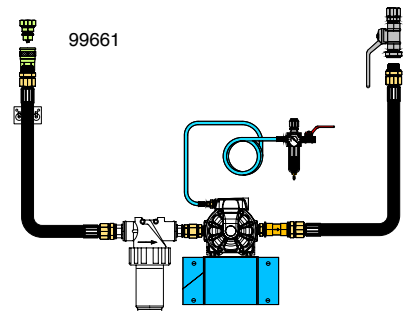
22210
 22310

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.

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

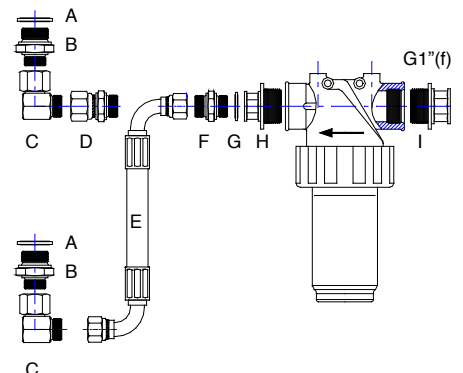
2490172

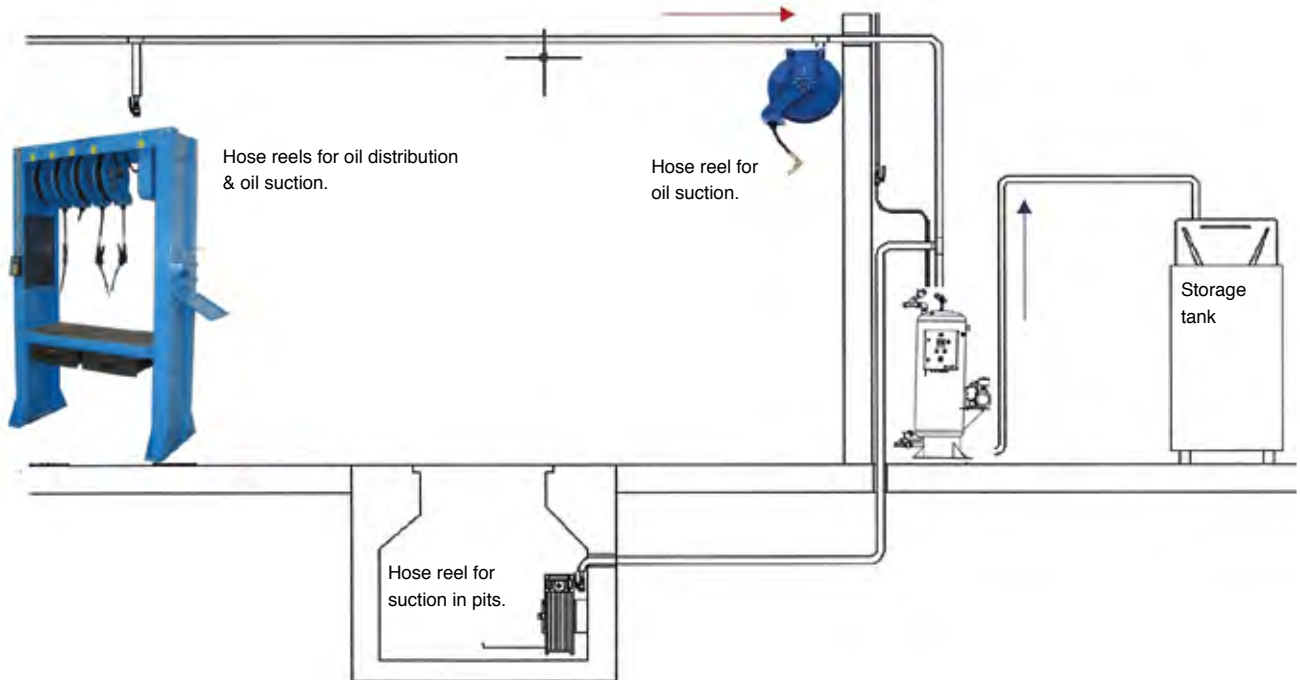
2490173

Gauges
2326013 not
included



29300





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

High Vacuum automatic unit for use in centralized waste oil suction systems in large vehicle maintenance workshops. The unit is easy to install and does not require any special on site adjustments. It simply requires connecting to a compressed air supply (8 bar maximum pressure) and to a 220 - 240 V (29725) or 400 V (29736) power supply, once the unit is connected to the waste oil storage tank pipeline and the vacuum line have been.

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

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

Vacuum unit for 1 to 4 work places

80 l vacuum reservoir that is automatically discharged to the storage tank.
Includes control box.

Dimensions:	750 x 550 x 1.350 mm
Power:	1,0 kW
Electric connection:	230 V
Noise level:	62 dBA

Vacuum unit for 2 to 7 work places

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

Dimensions:	1.200 x 1.050 x 2.100 mm
Power:	750 W
Electric connection:	400 V
Noise level:	62 dBA



Part No

29725



29736

29725

29736



Hose Reels for Waste Oil Suction

Hose Reel for Waste Oil Suction

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

Description	Hose diam.	Hose lengths (metres)
Series ORK	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

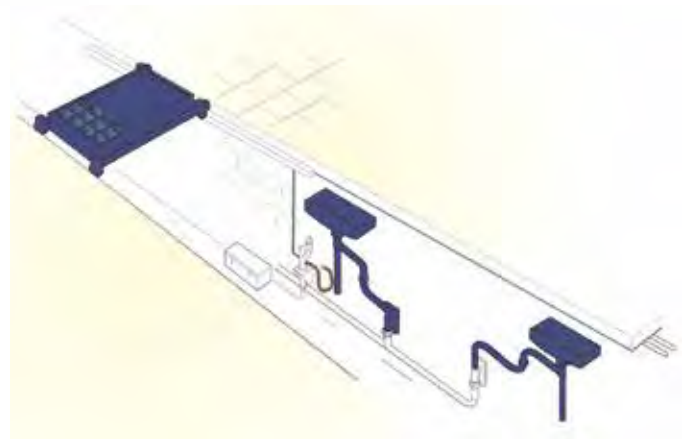
29312

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

Waste Fluid Arm with 5:1 pump, green bowl
 Quick Coupler Kit for 29711

Part No

29710
 2395069
 2395080

29711
 2395140



Waste Oil Bowl in Pit

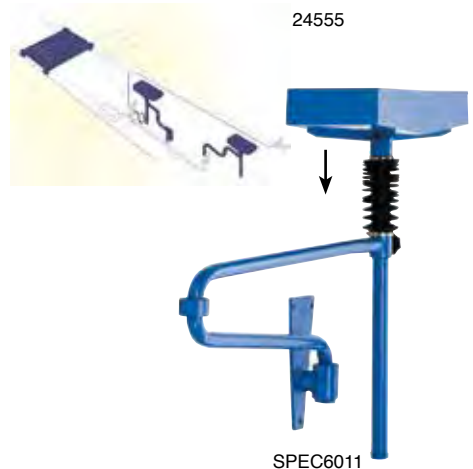
This system is designed for use in lubrication pits but can also be used with lifts. The collector arm is connected to the drain bowl (24555). Oil is gravity fed into a 25 l tank with a float switch, which controls the air supply to the discharge pump. When maximum level is reached in the 25 l tank the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

Collection Bowl for Cars

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

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

24555



24549



Collection Bowl for Commercial Vehicles

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

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

24549

Automatic Emptying Unit

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

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

SPEC6011



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

Spare parts:

- Extension bowl
- Metal bowl with down tube
- Metal bowl only
- Vacuum gauge
- Level tube with connectors

Part No

- 29505
- 29507
- 29508
- 29517
- 2295081
- 2295013
- 2295087
- 2395083
- 2426424



65 l Capacity Waste Oil Container with a Bowl

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

Description

Waste Oil Container, Standard

Waste Oil Container with ejector and suction probes

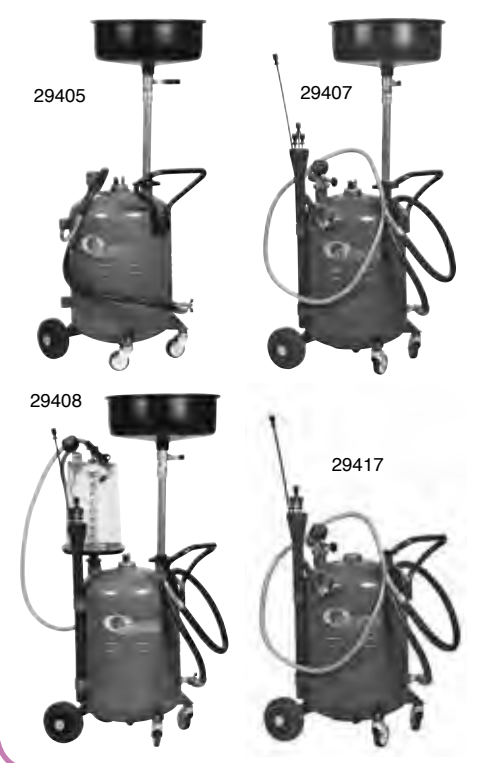
Waste Oil Container with ejector, suction probes and transparent vacuum chamber

Waste Oil Container with ejector and suction probes, without bowl

Spare parts:

- Level tube with connectors

- 29405
- 29407
- 29408
- 29417
- 2426424



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.

Transparent vacuum chamber with ejector

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

Pump kit for pumpaway, to be fitted on to the unit (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. G3/4" (m). 32 mesh.

2295014
 2295015
 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), valve (24680), strainer (29310) and filter rug (29138).

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

29004



"Filter rug"

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

1060 x 400 x 30 fits 29001

1200 x 400 x 30 fits 29075 and 29004

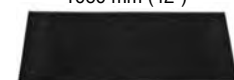
29139

29138

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 ³
Suction pump	800 cm ³

21040
21044


Oil Drain & Parts Cleaning Pan

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

Description	Capacity	Dimensions mm	
Oil Drain & Parts cleaning pan	8 l	Ø 310, h=105	21635
Oil Drain & Parts cleaning pan	14 l	Ø 500, h=160	21619
Oil Drain pan	8 l	490 x 300 x 120	21509
Oil Drain extra low 6 cm pan	20 l	670 x 670 x 60	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



22582

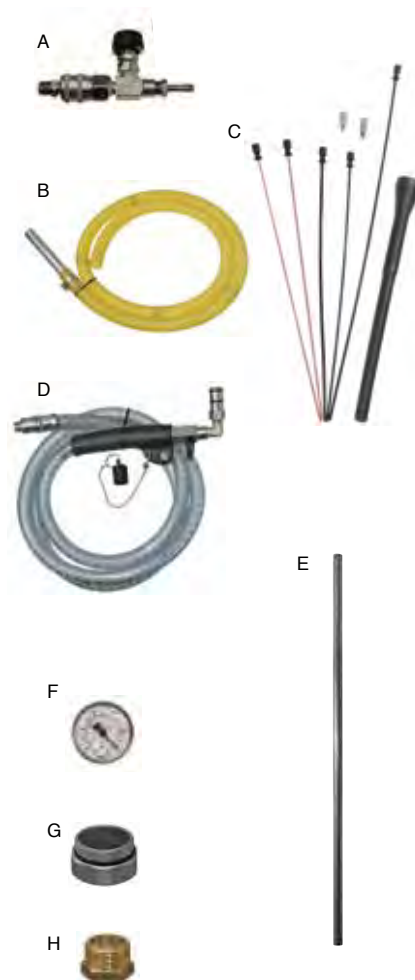
22584

22585

22586

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 rounded top-left corner, containing numerous horizontal dashed lines for writing notes.



4 Air

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

Spring Operated Hose Reels

Series ORK, ORM

Open hose reel.

	Length m	Diameter mm-inch	Conn. threads		Work. Pressure		
			In	Out	MPa	bar	
Series ORK	10	10 - 3/8"	G1/2" (m)	G1/4" (m)	2,0	20	44231
Series ORM	15	12,5 - 1/2"	G1/2" (m)	G1/2" (m)	2,0	20	544240

Part No



Series ORS

Open hose reel in aluminum and composite.

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



Series OR

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

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



Series ORB

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

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



Series CRO

Medium sized enclosed hose reel.

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

	Length	Diameter	Conn. threads		Work. Pressure		Part No
	m	mm-inch	In	Out	MPa	bar	
Series CRO	10	10 - 3/8"	G1/2" (m)	G3/8" (m)	2,0	20	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	Diameter	Conn. threads		Work. Pressure		Part No
	m	mm-inch	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
Series CRS	12	10 - 3/8"	G3/8" (m)	G3/8" (m)	2	20	44211



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 cm³ (filter/regulator), 50 cm³ (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	42105
Air treatment unit	G1/4" (f)	42107, 42108, 42112	42104
Air treatment unit	G1/4" (f)	42107, 42009, 42110	42103



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)	42009



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 ³	1,2 MPa (12 bar)	+5 till +60 °C	42107



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 ³	1,2 MPa (12 bar)	+5 till +60 °C	42108



Accessories

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



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 42120
Filter Regulator	G1/2" (f)	Filter regulator, gauge 42121
Lubricator	G1/2" (f)	Lubricator 42115



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



Industrial Blow Gun

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

Description	Conn. thread	Weight (approx.)	Part No
Blow gun	G1/4" (f)	200 g	44504



Tyre Inflator

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

Description	Conn. thread	Pressure range	Hose length	Weight (approx.)	Part No
Tyre Inflator	G1/4" (f)	0-12 bar	66 cm	0,9 kg	44635



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

48001



Quick-couplings for Compressed Air

Hose Adapters

Hose Ø	Thread	Part No
1/4"	G1/4" (m)	48510
5/16"	G1/4" (m)	48511
3/8"	G1/4" (m)	48512
1/4"	G3/8" (m)	48540
5/16"	G3/8" (m)	48541
3/8"	G3/8" (m)	48542
1/2"	G3/8" (m)	48543
1/4"	G1/2" (m)	48603
3/8"	G1/2" (m)	48600
1/2"	G1/2" (m)	48601
3/4"	G1/2" (m)	48602



Quick-Coupling

Thread	Part No
G1/4" (f), small model	44516
G3/8" (f), big model	44521
G1/2" (f), big model	44531



Nipples

Thread	For Quick-Coupling	Part No
R1/8" (m)	44516	48500
R1/4" (m)	44516	48501
R3/8" (m)	44516	48502
G1/4" (f)	44516	48503
G3/8" (f)	44516	48504
R1/4" (m)	44521/44531	48594
R3/8" (m)	44521/44531	48530
R1/2" (m)	44521/44531	48590
R3/4" (m)	44521/44531	48592
G3/8" (f)	44521/44531	48531
G1/2" (f)	44521/44531	48591



Hose Connector

Hose Ø	For Quick-Coupling	Part No
1/4"	44516	48520
5/16"	44516	48521
3/8"	44516	48522
1/4"	44521/44531	48550
5/16"	44521/44531	48551
3/8"	44521/44531	48552
1/2"	44521/44531	48553



Quick-Couplings for Compressed Air

Profile fits Tema 1600 and Cejn 320.

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





5 Waterbased Fluids/Detergents

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Mixing Units

Mixing Pump



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

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

Description	Capacity
Mixing pump 50/50	Appr. 15 l/min. free flow at 0,7 MPa (7 bar)
Mixing pump 50/50*	Appr. 20 l/min. free flow at 0,7 MPa (7 bar)
Diaphragm Pump (22221)	

* Can vary depending on fluid.

Part No

24890
24895



Mixing Unit with Ejector from 25% to 50%



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

Description	Capacity
Mixing unit	Appr. 15 l/min.

24186



To put together a Complete Mixing and Distribution Kit

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

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

Ejector Mixing Unit

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

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

24188



Diaphragm Mixing Pump 1:1 Ratio



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

Pressure ratio 1:1

Capacity	Max 50 l/min., free flow at 0,7 MPa (7 bar).
Air pressure	0,3 MPa (3 bar) - 0,7 MPa (7 bar)
Connections	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.

* Can vary depending on fluid.

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

22221



22221
22226

Stainless Steel Liquid Pump, Pressure Ratio 4:1



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



Pressure ratio	4 :1
For connection to	Tank or drum
Capacity	Max 30 l/min. (free flow, air pressure 0,7 MPa, water)
Air Pressure	Max 1 MPa (10 bar)
Connections	Air: G 1/4" (f) Fluid: Outlet G1" (f) - Inlet (foot valve) G1" (f)
Weight (approx)	9,0 kg
Accessories	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 [®]
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 when pumping cleaning fluids such as windshield washer.

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.

Pressure ratio	1 :1
For connection to	Tank or drum
Capacity	Max 40 l/min. (free flow, air pressure 1,0 MPa, 95 cSt oil). Recommended free flow approx. 25 l/min. at 0,7 MPa, 95 cSt
Air Pressure	Max 1 MPa (10 bar)
Connections	Air: G1/4" (f) Oil: Outlet G3/4" (f) - Inlet (foot valve) G1" (f)
Weight (approx)	3,0 kg
Accessories	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	Applications	
Diaphragm Pump of Aluminium/Nickel plated 50 l/min	Oil, waste oil, aqueous, antifreeze, etc.	22211
Diaphragm Pump of Polypropilene 50 l/min	AdBlue®, antifreeze, windshield wash...	22215
Diaphragm Pump of Acetal, Atex Ⓢ 50 l/min	Fuels, solvents, Toulén, Ethanol, etc.	22218
Diaphragm Pump of Acetal, Atex Ⓢ 100 l/min	Fuels, solvents, Toulén, Ethanol, etc.	22318



Wall Mounted Pump Installation Kit

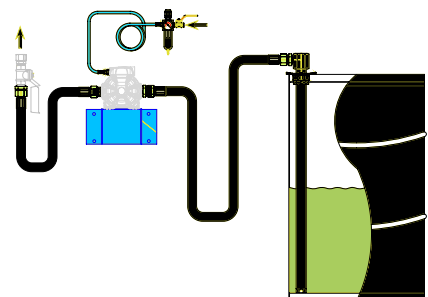
Components for a remote wall mounted air operated 1/2" diaphragm pump with drum suction attachment (205 l drum) and wall bracket.

Information

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

With Air treatment unit **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). Other lengths are available upon request.

Length	Part No	Length	Part No	Length	Part No	
2 m	28009	4 m	28011	6 m	28013	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3 m	28010	5 m	28012	8 m	28015	<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 type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	524951*
15	10 - 3/8"	G1/2" (f)	7,5	75	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	524445

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 type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	744210
15	10 - 3/8"	G3/8" (m)	1,5	15	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	744220
15	12,5 - 1/2"	G1/2" (f)	1,5	15	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	744240
13	10 - 3/8"	G3/8" (f)	18	180	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	724951*
10	10 - 3/8"	G1/2" (f)	7,5	75	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	724440
15	10 - 3/8"	G1/2" (f)	7,5	75	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	724445

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 type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	44240
Stainless Steel Reels						
20	10 - 3/8"	G3/8" (f)	18	180	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	24957*

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 type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	24961*
25	12,5 - 1/2"	G1/2" (f)	30	300	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	24963*
Stainless Steel Reel						
25	12,5 - 1/2"	G1/2" (f)	30	300	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	24965*

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 type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	644220
15	12,5 - 1/2"	G1/2" (m)	1,5	15	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	644240
13	10 - 3/8"	G3/8" (f)	18	180	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	624951*
10	10 - 3/8"	G1/2" (f)	7,5	75	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	624440
15	10 - 3/8"	G1/2" (f)	7,5	75	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	624445

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 type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	44205
15	8 - 5/16"	G1/4" (m)	2	20	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	44206
10	10 - 3/8"	G3/8" (m)	2	20	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	44210
12	10 - 3/8"	G3/8" (m)	2	20	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	44211

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

Part No



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

Hose End Controls

Water Control Valve

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

Description

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

Part No

- 24105
- 2410564
- 2410561



Water Control Valve

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

Description

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

- 24106
- 2410664
- 2410661



Control Valve for Water Based Fluids

Water control valve with special rubber outlet that prevents foaming.

Description

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

- Water control valve with swivel G1/2" (m) and Meter (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

- | | | | |
|--|---------------------|---|---------|
| | Max pressure | | |
| Wash nozzle with 1/2" hose bore in brass | 10 bar | ■ | ■ ■ ■ ■ |
| <i>Should not be under pressure when closed!</i> | | | |
| Bare hose adapter G1/2" (m) with 60° cone for 28268 | | ■ | ■ ■ ■ ■ |
| Wash nozzle with 1/2" hose bore in brass, O-ring sealed | 16 bar | ■ | ■ ■ ■ ■ |
| Bare hose adapter with hose bore 3/4" for 28368 | | ■ | ■ ■ ■ ■ |
| Wash nozzle with G1/2" (f) connection in stain. steel, O-ring sealed | 16 bar | ■ | ■ ■ ■ ■ |

- 28268
- 2085398
- 28368
- 38220812
- 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 with Spray Tube

Spray Handle with Spray tube.
 Designed for use with detergents. Consists of a thermoplastic valve body (24680) 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.)
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	4,4 kg
Sprayer	10 l	6 bar	Compressor/hand pump	5,5 kg

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

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

Accessories

Trolley for above

Sprayer

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

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

Hand Held Sprayers

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

Description	Volume	Work. Pressure	Pressure Generator	Weight
Industry Sprayer	1,5 l	3 bar	Hand pump	480 g
Universal Sprayer	1,5 l	3 bar	Hand pump	410 g
Universal 360°	1,0 l	3 bar	Hand pump	365 g
Hand sprayer	1,0 l	-	-	90 g

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

Description	Volume	Work. Pressure	Pressure Generator	Weight
Sprayer Cleaner FPM	1,5 l	3 bar	Hand pump	410 g
Sprayer Cleaner EPDM	1,5 l	3 bar	Hand pump	410 g

Part No



3595F
3615F

3615X

3965

3275PP
3275PE
3270PP
3270PE

3131P
3132PG
3132PR
3111P

3132PP
3132BC

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

Part No



21200

Drum Pump

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

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

21210
21211
21215



Drum Pump

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

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

21231
21232

Drum Pump

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

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

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 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

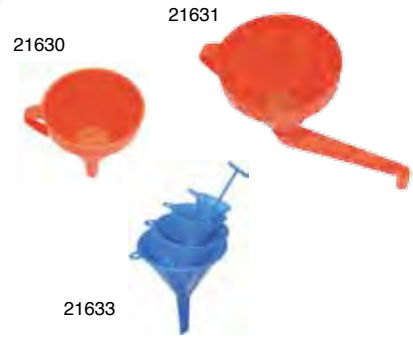


Funnels & Garage Kit

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	300 mm	□ ■ □ ■	21634



Garage Kit

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



Air Treatment Units

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



Wall Bracket and Floor Stand

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

Description

Wall bracket	28524
Floor stand	28506
Wall bracket for diaphragm pumps 1/2"	28553
Wall bracket for diaphragm pumps 1"	28552

28524 28506 28553



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
Spare O-ring Viton®			Black	2390193
Spare O-ring NBR			Black	2390192

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"	○ ● ○ ○
1,7 m	2 m	G3/4"	○ ● ○ ○
1,08 m	2 m	Hose 3/4"	○ ● ○ ○
-	5 m (max. 3 m tank depth)	G3/4"	○ ● ○ ○

- 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	○ ● ○ ○
G1/2"	6,4 MPa (64 bar)	Long	○ ● ○ ○
G3/4"	4,0 MPa (40 bar)	Long	○ ● ○ ○
G1"	4,0 MPa (40 bar)	Long	○ ● ○ ○
G1 1/4"	2,5 MPa (25 bar)	Long	○ ● ○ ○
G1 1/2"	2,5 MPa (25 bar)	Long	○ ● ○ ○
G2"	2,5 MPa (25 bar)	Long	○ ● ○ ○
G1/4"	6,4 MPa (64 bar)	Short	○ ● ○ ○
G3/8"	6,4 MPa (64 bar)	Short	○ ● ○ ○
G1/2"	6,4 MPa (64 bar)	Short	○ ● ○ ○

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



Pressure relief valve

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

- Pressure relief valve in brass G 1/4". Releases pressure at 6 MPa (60 bar) ○ ● ○ ○
- Pressure relief valve in brass G 1/4". Releases pressure at 2 MPa (20 bar) ○ ● ○ ○

- 28625
- 28643



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

- 6027
- 28185



Hose Storage Rack

Designed for max. 30 m x 1/2" - hose. For wall mounting.
Dimensions: approx. 200 x 300 x 120 mm (W x H x D).

- 28251





6 Diesel

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Electric Diesel Pumps

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

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

Meter valid for non commercial applications only.

Part No

53700



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

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

53701



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

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

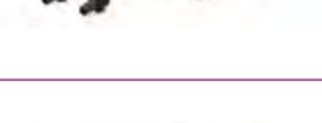
53710



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

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

53713



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

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

53711



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

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

53712



Mobile Diesel Refuelling Unit 200 l

Mobile container for diesel 200 l, road transport permitted under exemption in ADR 1.1.3.1c. Complete unit with pump and diesel nozzle.

53750

The container of 200 l is made of Polyethylene and is equipped with refilling lid with integrated air bleeder. The container holds low main point and is designed so it can be lifted with a forklift.

The 12 V DC electric pump have 4 m cable and gives a flow of 40 l/min. The pump is mounted on the container and is equipped with 4 m distribution hose and an automatic diesel nozzle.

Dimensions (L x W x H): 800 x 600 x 590 mm
 Weight empty approx. 25 kg.



Diesel Pump Accessories

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

Part No

23610

23605

23608

23606

23607

2446080

28321

23609

23610



23609



23606



23605



Air Operated Diaphragm Pump 1:1

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

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) Diesel: 22210 inlet-outlet G1/2" (f) 22310 inlet-outlet G1" (f)
Weight	22210 - 3,5 kg 22310 - 7,2 kg

22210

22310

22310



Installation Kit for Diaphragm Pump

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

Information
Air line hose (48001) 1/4" L= 1,5 m
Oil line hose (28079) 3/4" L= 1,5 m
Suction hose 28310 L= 2,0 m and suction tube L= 1,0 m
Installation kit for 22210 with air treatment unit
Installation kit for 22210 without air treatment unit
Installation kit for 22310 with air treatment unit
Installation kit for 22310 without air treatment unit

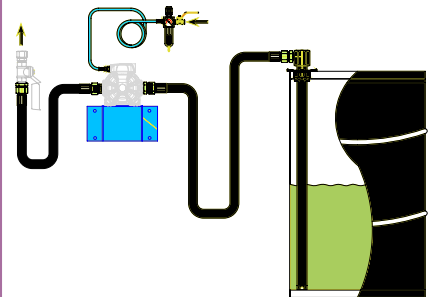
Note: Pump not included, ordered separately.

99666

99766

99667

99767



Fuel Suction Unit for gasoline and E85

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

Description
Fuel Suction Unit 120 l with hose and adaptors

29555



Spring Operated Hose Reels for Diesel

Series ORK

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

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

Part No

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. 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® Electric Pumps

Electric 230 V AC Diaphragm Pump

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

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

Part No

55520



Electrical 12/24 V DC Diaphragm Pump

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

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

12 VDC, motor power 260 W

24 VDC, motor power 310 W

55530

55531



Distribution Kit with Electric Pump

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

With 230 VAC pump 55520

With 12 VDC pump 55530

With 24 VDC pump 55531

75010

75010

75011

75012



Distribution Kit with Electric Pump 230 VAC and Meter

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

With manual nozzle

With automatic nozzle

75016

75015

75016



Air Operated Diaphragm Pump 1:1

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

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

22215



Wall Mounted Pump Installation Kit

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

Information

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

Line hose 1,5 metre

Drum suction attachmen, tube length = 1,08 m

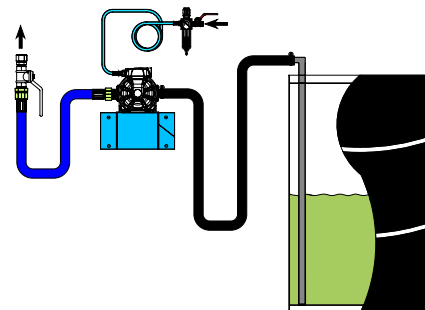
Incl FRL-unit

Excl FRL unit

Note! Pump not included!

99668

99768



Distribution Kit with Air Operated Diaphragm Pump

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

Distribution kit with manual nozzle

Distribution kit with automatic nozzle

75050

75051



Mobile AdBlue® Dispenser with Air Operated Diaphragm Pump

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

75000

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



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



AdBlue® Hose Reels and Nozzles

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® Nozzles

Description	Max. flow	Inlet
Automatic Nozzle <i>(Magnetic ring for opening the valve is not required)</i>	20 l/min.	Ø 19 mm with swivel
Manual Nozzle	80 l/min.	G1" (f) with swivel
Manual Nozzle	40 l/min.	G1/2" (f) with swivel

23577

23580

2468070

23577



23580



2468070



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

24759



Hand Operated Drum Pump

Made of polypropylene with EPDM or Viton seals. Delivered with telescopic suction tube and G2" drum adapter.

Description	Color	Suction tube length	Seal material	Capacity
Drum pump	black/blue	350-980 mm	EPDM	0,5 l/slag
Drum pump	black/blue	480-950 mm	Viton	0,3 l/slag

Accessory

2 m delivery hose in EPDM with outlet valve

Part No

21131

21122



21131

21122

28400

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



Distribution Kit with Hand Operated Drum Pump

Consisting of hand operated drum pump, pump bracket for IBC, 1,5 m suction hose with connection adapter and 2 m outlet hose.

75100



Drum Adapters

Description	Information	
Adapter	G2" (f) - Trisure Ø 55 mm, pitch approx. 4 mm (m)	28235
Adapter	G2" (f) - Multi adapter with locking screw Ø55-65 mm (f)	28236
Adapter	G2" (f) - Midland	28234
Adapter	G2" (f) - Mauser Ø 68 mm, pitch approx. 6 mm (m)	28238
Adapter	G2" (f) - Berg Ø 53 mm, pitch approx. 3,5 mm (f)	28239
Adapter	G2" (f) - DIN 70 (f) pitch approx. 6 mm	2310035
Adapter	G2" (f) - DIN 61 (f) pitch approx. 5 mm (IBC)	2310034
Adapter	G3/4" (f) - Trisure Ø 55 mm, pitch 4 mm (m)	2310037
Adapter	G3/4" (f) - DIN 70 (f) pitch approx. 6 mm	2310038
Adapter	DIN 61 pitch approx. 5 mm (IBC) - hose tail 25 mm (1")	28339



28235



28236



28238



28239

2310034
2310035

2310038



28339

Accessories

Telescopic suction tube with suction tube adaptor for IBC

Hose fitting G1"(f) - D20 mm
 Hose fitting G1"(f) - D25 mm
 Hose fitting G1"(m) - D20 mm
 Hose fitting G3/4"(m) - D13 mm
 Hose fitting G1/2"(m) - D13 mm
 Hose fitting G1/2"(m) - D20 mm

Adapter G1/2"(m) - G3/4"(f)

Foot valve, connection G1"(f)
 Check valve, connection 2 x G1"(f)

Hose clamp 12 - 22 mm
 Hose clamp 16 - 25 mm
 Hose clamp 20 - 32 mm

Pump bracket for plastic drums and IBC

Distribution hose 1/2"
 Suction hose 1/2" (per m)

Part No**2410046**

7350012
7350013
7350009
7350001
7350006
7350008

7350005

7350020
7350021

72101126
72101081
72101087

75300

14095008
14611008



7350012



7350013



7350020



7350021



72101081



75300





8 Hose Reels

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Hose Reels, Open

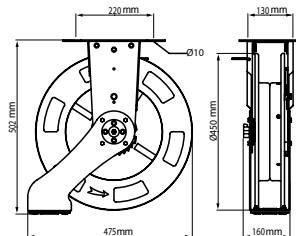
Wherever longer hoses are required it is strongly recommended that hose reels are used. There are several advantages in using hose reels, such as longer hose life, increased safety and improved efficiency.

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.

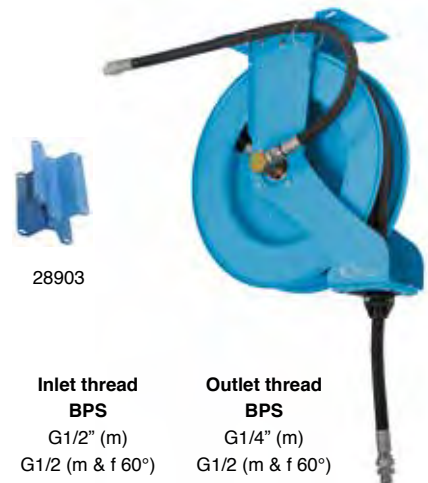


Media	Hose lengths meter	Hose dim. mm-inch	Max. pressure MPa-bar
Air/Water	10	10 - 3/8"	2,0 - 20
Oil/ Air	10	12,5 - 1/2"	7,5 - 75
Grease	10	6,35 - 1/4"	40 - 400
Waste oil suction	6	19 - 3/4"	Vacuum
Various	max. 10	without hose	7,5 - 75

Pivoting wall bracket

Part No

44231
24911
14206
24472
24903
28903



28903

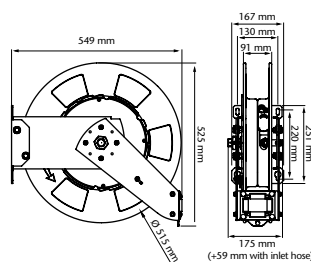
Inlet thread BPS	Outlet thread BPS
G1/2" (m)	G1/4" (m)
G1/2 (m & f 60°)	G1/2 (m & f 60°)
G1/4" (f)	G1/4" (m)
G3/4" (f)	Waste oil nozzle
G1/2" (f) swivel	G3/8" (f) shaft

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"	2,0 - 20
Oil/ Air	15	12,5 - 1/2"	7,5 - 75
Grease	15	10 - 3/8"	40 - 400
Hot water	15	10 - 3/8"	18 - 180
Various	max. 15	without hose	7,5 - 75
Wind screen wash	15	10 - 3/8"	7,5 - 75

Pivoting wall bracket

544240
524922
514215
524951
524904
524445
28903



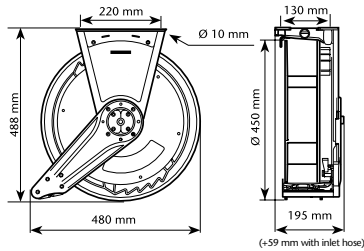
28903

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°)

Some models are available in grey color.

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.

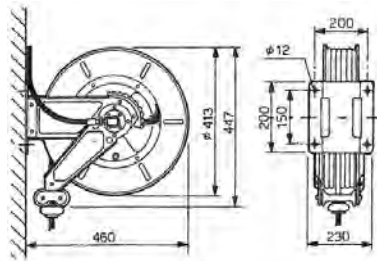


Media	Hose lengths	Hose dim. mm-inch	Max. pressure MPa-bar	Part No
	metre			
Air/Water	10	10 - 3/8"	1,5 - 15	744210
Air/Water	15	10 - 3/8"	1,5 - 15	744220
Air/Water	15	12,5 - 1/2"	1,5 - 15	744240
Oil/Air/Water	10	12,5 - 1/2"	7,5 - 75	724910
Oil/Air/Water	15	12,5 - 1/2"	7,5 - 75	724922
Grease	10	6,35 - 1/4"	35 - 350	714205
Grease	15	10 - 3/8"	35 - 350	714215
Hot water, max 150°C	15	10 - 3/8"	18 - 180	724951
Wind screen wash/	10	10 - 3/8"	7,5 - 75	724440
Degreaser	15	10 - 3/8"	7,5 - 75	724445
Waste oil suction	6	16 - 5/8"	Vacuum	724492
AdBlue [®]	10	12,5 - 1/2"	7,5 - 75	724971
Various	10	Without Hose		724904
Pivoting wall bracket				28903

Some models are available in grey color.

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

Part No



Inlet thread BSP	Outlet thread BSP
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)



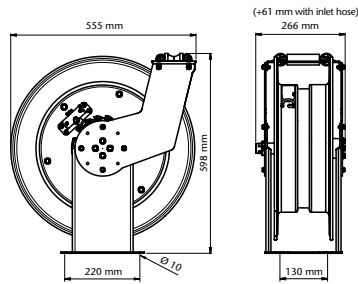
Inlet thread BSP	Outlet thread BSP
G1/2" (m)	G1/2" (m)
G1/2" (f)	G1/2" (f)
G3/8" (f)	G3/8" (f)
G3/8" (f)	G3/8" (f)
G1/2" (f)	G1/2" (f)
Connection thread	G3/8" (f)



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

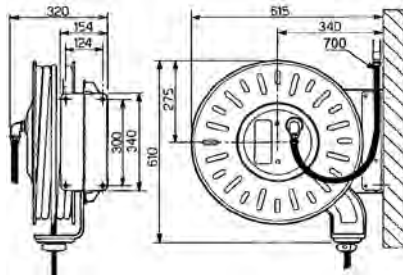
24931
24932
24933



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

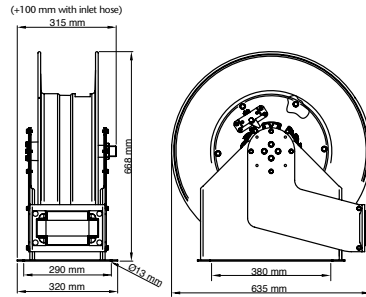
Inlet thread BSP	Outlet thread BSP
G1/2" (f)	G1/2" (f)
G3/4" (f)	G3/4" (f)
G1" (f)	G1" (f)
G3/8" (f)	G3/8" (f)
G3/8" (f)	G3/8" (f)
G1/2" (f)	G1/2" (f)
G1/2" (f)	G1/2" (f)

For hose and swivels see www.alentec.com
For hose and swivels see 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

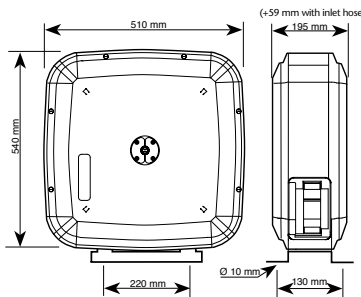
G1" (m & f 60°)
 G3/4" (m & f 60°)
 G3/4" (m & f 60°)
 G1" (m & f 60°)
 G1" (m & f 60°)
 G1/2" (m & f 60°)

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/ Degreaser	10 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 Pivoting wall bracket	10	Without hose and swivel	

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

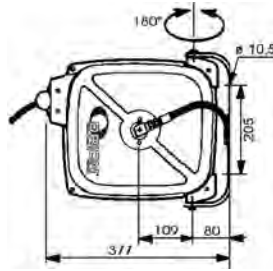
G3/8" (m)
 G3/8" (m)
 G1/2" (m)
 G3/8" (f)
 G1/2" (f)
 G1/4" (m)
 G1/4" (m)
 G3/8" (f)
 G3/8" (f)
 G1/2" (f)
 G1/2" (f)
 G1/2" (f)
 G1/2" (f)

Some models are available in grey color.

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	Hose dim.	Max. pressure	Part No
	metre	mm-inch		
Air/Water	12	8 - 5/16"	2 - 20	44205
Air/Water	15	8 - 5/16"	2 - 20	44206
Air/Water	10	10 - 3/8"	2 - 20	44210
Air/Water	12	10 - 3/8"	2 - 20	44211

Inlet thread	Outlet thread
BSP	BSP
hose 8-5/16"	G1/4" (m)
hose 8-5/16"	G1/4" (m)
G3/8" (m)	G3/8" (m)
G3/8" (m)	G3/8" (m)

Electric Cable Reels

Electric cable reels with impact resistant plastic covers. Supplied with earth connection and cable.

Media	Cable lengths	Cable	Power Volt	Max capacity	Part No
	metre				
Electric cable	6	HO5VV - F 3 x 1,5 mm2	230	2.000	53610
Electric cable	10	HO5VV - F 3 x 1,5 mm2	230	2.000	53620
Electric cable	15	HO5VV - F 3 x 1,5 mm2	230	2.000	53630
Electric cable	20	H07RN - F 5 x 1,5 mm2	400	3.000	53640

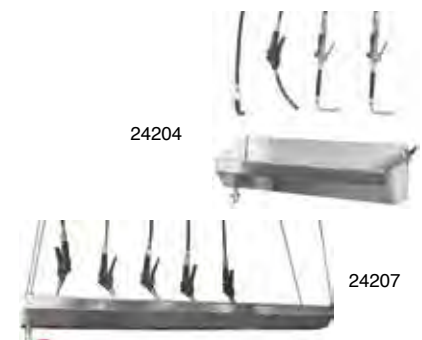
Some models are available in grey color.



Drip Pan

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

Description	Length	Part No
Drip pan, wall hanged	700 mm	24203
Drip pan, wall hanged	1.000 mm	24204
Drip pan, wall hanged	1.250 mm	24205
Drip pan, wall hanged	1.500 mm	24206
Drip pan, ceiling mounted with four 2 metre chains.	1.250 mm	24207

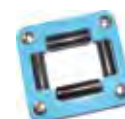


Hose Outlet Roller guide

Additional hose outlet roller guide, used when mounting a hose reel in a cabinet. Max. hose dimension Ø 25 mm

Description	Dimension	Part No
Hose Outlet	110 x 110 mm	2145998

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 CRO reels.

Description	L x W x H (mm)
For up to two reels	550 x 310 x 60
For up to three reels	825 x 310 x 60
For up to 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,CRO

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 CRO reels.

The stand is delivered complete as per picture.

Dimensions H x W x D 2.400 x 1.300 x 310 mm

Description	H	W	D
For three hose reels	2.220	1.200	400 mm
For five hose reels	2.220	1.750	400 mm

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 CRO reels.

Dimensions (H x W x D) 2.600 x 1.543 x 760 mm
For reels ORK, ORM and ORS.

Dimensions (H x W x D) 2.600 x 1.972 x 760 mm
For reels ORK, ORM, ORS, ORL and CRO.

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
 Dimensions (H x W x D) 3.000 x 2.150 x 500 mm

Service tower, with hose reel mounting rack for 3 reels
 Dimensions (H x W x D) 3.000 x 2.150 x 825 mm

Service tower, with hose reel mounting rack for 5 reels
 Dimensions (H x W x D) 3.000 x 2.150 x 1.375 mm

Part No

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
 Dimensions (H x W x D) 3.580 x 2.350 x 1.650 mm

Service tower, for two exhaust reels
 Dimensions (H x W x D) 3.580 x 3.000 x 1.650 mm

Concrete fastener (floor bracket), Zinc plated (850 x 850 mm)

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 and check valve 28345. 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

- | | Max pressure | |
|--|--------------|----------|
| Wash nozzle with 1/2" hose bore in brass | 10 bar | 28268 |
| <i>Should not be under pressure when closed!</i> | | |
| Bare hose adapter G1/2" (m) with 60° cone for 28268 | | 2085398 |
| Wash nozzle with 1/2" hose bore in brass | 16 bar | 28368 |
| Bare hose adapter with hose bore 3/4" for 28368 | | 38220812 |
| Wash nozzle with G1/2" (f) connection in stainless steel | | 28369 |

- 28268
- 2085398
- 28368
- 38220812
- 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

Spray handle with spray tube
 Spare adjustable nozzle

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


Industrial Blow Gun

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

Description	Conn. Thread	Weight (approx.)
Industrial Blow gun	G1/4" (f)	200 g

44504


Diesel & AdBlue® Control Valves

Diesel Nozzles

Description	Max.flow	Inlet
Automatic Nozzle	45 l/min	G1"(f)
Automatic Nozzle	80 l/min	G1"(f)
Manual Nozzle	100 l/min	G1" (f) with swivel

Part No

23605

23608

23606

23605



23606



AdBlue® Nozzles

Description	Max.flow	Inlet
Automatic Nozzle <i>(Magnetic ring for opening the valve is not required)</i>	20 l/min.	Ø 19 mm with swivel
Manual Nozzle	80 l/min.	G1" (f) with swivel
Manual Nozzle	40 l/min.	G1/2" (f) with swivel

23577

23580

2468070

23577



23580



2468070



AdBlue® Meter

AdBlue® meter with big display for simple installation. The meter can be installed directly on the control valve or at the end of the hose. The electronics is powered by two batteries for easy changing.

Technical information

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

24759



Oil Control Valve

Control valve made in aluminium with large flow capacity. Max pressure: 10,5 Mpa (105 bar). Swivel included. Inlet G1/2" (f). Can be locked in open position.

Description

- Oil Control Valve without outlet tube
- Oil Control Valve with 60° rigid tube and manual non-drip nozzle
- Oil Control Valve with hose and manual non-drip nozzle
- Oil Control Valve with 90° hose tube and automatic non-drip nozzle
- Oil Control Valve with 135° hose tube and automatic non-drip nozzle

Part No

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



Outlet hoses and accessories for above Oil control valve

Description

- Rigid outlet 60° with lockable non-drip nozzle
- Hose outlet 90° with automatic non-drip nozzle
- Hose outlet 90° with lockable non-drip nozzle
- Hose outlet straight with automatic non-drip nozzle
- Hose outlet straight formable with lockable non-drip nozzle
- Inlet swivel G1/2"(f)
- Automatic non-drip nozzle, connection G1/4"(f)
- Lockable non-drip nozzle, connection G1/4"(f)
- Set of four color coded protectors

- 2285470**
- 2285471**
- 2285472**
- 2285473**
- 2285474**
- 2246122**
- 24556**
- 24557**
- 2455000**



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. Can be locked in open position.

- Maximum flow** 70 l/min.
- Maximum pressure** 7 MPa (70 bar)
- Inlet thread** G3/4" (f)

24567



Control Valves for Oil, Water, Windscreen Liquids, etc.

Control Valve

A range of valves with ergonomically designed handgrip of glass filled polyamide. Available in several combinations or as individual parts. Max. working pressure 5 MPa (50 bar).

Description

Control valve without accessories

Latch Kit

The latch kit is intended to be used for example when it is desired to make large fluid dispenses without manually holding the valve open. The kit contains three different latches. Latch 1 is used to lock the valve in both open and closed positions. Latch 2 is used to lock in the open position. Latch 3 is used to lock the valve in the closed position.

Control Valve

Control valve made of glass filled polyamide with an inlet strainer which minimizes the contamination risk. Max working pressure 5 MPa (50 bar), inlet G1/2" (m) or G1/2" (f).

Description

Control Valve	Rigid outlet (24170), non drip nozzle (24527) and swivel (24586) G1/2" (m)
Control Valve	Rigid outlet (24170), non drip nozzle (24527) and swivel (24585) G1/2" (f)
Control Valve	Hose outlet (2285346), non drip nozzle (24527) and swivel (24586) G1/2" (m)
Control Valve	Hose outlet (2285346), non drip nozzle (24527) and swivel (24585) G1/2" (f)

Part No

24680

24680



24679

24679



2468010

2468010



2468011

2468050



2468050

2468051

Mechanical Hose End Meter

Very robust rotary-piston type Hose End Meter including swivel, valve handle, inlet strainer, outlet hose and non-drip nozzle.

Functions:

- Resettable trip meter
- Non-resettable 5 digit totaliser display
- Accuracy +/- 0,65%
- No batteries required, environmental friendly
- Trigger can be locked in open position

Technical Data

Connections:	Inlet: G1/2"(f) Outlet: G1/2"(f)
Flow range:	2-20 l/min
Working pressure:	100 bar (1450 psi)
Temperature range:	-23 oC to 70 oC
Fluid compability:	Low to high viscosity lubricants (50-50000 cSt), ATF and Antifreeze.

Description:

Mechanical Hose End Meter with straight outlet hose and automatic non-drip nozzle

Mechanical Hose End Meter with formable outlet hose and lockable manual non-drip nozzle

Part No

24792



24793



24792

24793

Mechanical Hose End Meter

Oval gear type hose end meter including swivel, valve handle, inlet strainer, outlet hose and automatic non-drip nozzle.

Functions:

- 4 digit display
- Resettable trip meter
- Non resettable totaliser
- Accuracy ±1%
- No batteries required, Environment friendly
- Trigger can be locked in open position

Technical Data

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 140 SAE (5-5.000 mPa/s)

24786



24786

Hose End Meters

Digital Hose End Meter

Functions:

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

Technical Data

- Connections:** G1/2" (f)
Weight: 1,1 kg
Flow range: 1 - 20 l/min
Working pressure: 0,5 - 70 bar
Temperature range: 0 °C to + 55 °C
Accuracy: < $\pm 0,5\%$ (after calibration)
Fluid compability: All types of mineral and synthetic lubricants up to 140SAE (5-5.000 mPa/s)
Battery: 2 x LR03 Alkaline - 7.000 hours average life

Description:

- Hose end meter including swivel, valve handle and inlet strainer
- Hose end meter including swivel, valve handle, inlet strainer, outlet hose 90° and automatic non-drip nozzle
- Hose end meter including swivel, valve handle, inlet strainer, outlet hose 90° and lockable manual non-drip nozzle
- Hose end meter including swivel, valve handle, inlet strainer, outlet tube 60° and lockable manual non-drip nozzle

Part No

24788



24785



24113



24788

24785

24113

24114

24114



Outlet hoses and accessories for above Oil control valve

Description

- Rigid outlet 60° with lockable non-drip nozzle
- Hose outlet 90° with automatic non-drip nozzle
- Hose outlet 90° with lockable non-drip nozzle
- Hose outlet straight with automatic non-drip nozzle
- Hose outlet straight formable with lockable non-drip nozzle

Inlet swivel G1/2"(f)

Automatic non-drip nozzle, connection G1/4"(f)
 Lockable non-drip nozzle, connection G1/4"(f)

1,5 V battery (alkaline), type LR03/AAA

Set of four color coded protectors

- 2285470
 2285471
 2285472
 2285473
 2285474

2246122

24556
 24557

2346077

2455000

2285470



2285471



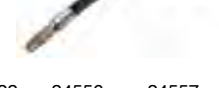
2285472



2285473



2285474



2246122



24556



24557



2455000



For wall-mounted preset equipment, see Monitoring Systems.

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.

Functions:

- Current dispense, resettable
- Resettable trip meter
- Non resettable totaliser
- Pre-set dispense mode 0,1-999,9 l (24702)
- Pre-warm 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).

Technical Data

Material:	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®
Conn. thread:	Inlet: G1/2" (f) Outlet: G1/2" (m), 60° cone seal
Dimension:	270 x 85 x 75 mm (L x W x H)
Flow:	1,5 - 15 l/min.
Pressure drop:	0,02 - 0,45 MPa (0,2 - 4,5 bar)
Accuracy:	< ±0,3% (after calibration)
Working pressure:	1 - 5 MPa (10-50 bar, 145 - 725 psi)
Temperature range:	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.

Description

Hose End Meter	including swivel G 1/2" (f), 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 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

Part No

24700



24702



24700

24702

2470011



2470011

2470051



2470051

2470050

2470251

2470251



2470250

Hose End Meters for Approval

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.

Technical Data

Material:	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®
Conn. thread:	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
Dimension:	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)
Flow:	1,5-15 l/min.
Pressure drop:	0,02-0,45 MPa (0,2-4,5 bar)
Accuracy:	< ±0,3%
Viscosity:	8-2000 mPa·s
Working pressure:	1-5 MPa (10-50 bar, 145-725 psi)
Temperature range:	0 °C to + 50 °C

Part No

24710



24712



24710

24712



Outlet Hoses and accessories for 24700, 24702 and 24680

Outlet hoses, connection threads G1/2"- M12x1

Description:

- Outlet hose, straight
- Outlet hose, straight for Lockable Non-drip Nozzles
- Outlet hose 90°
- Outlet hose 135°
- Outlet hose, flexible
- Rigid outlet, steel tube
- Water hose
- Adapter for use together with oil control valve 24680, to connect outlets

Non-drip Nozzles, connection thread M12x1

Description:

- Fully automatic opening and closing
- Semi-automatic, opened by fluid pressure, manually closed
- Lockable, opened and closed manually by 90° turn
- Lockable, with straight outlet pipe, opened and closed manually by 90° turn
- Lockable, with bent outlet pipe 135°, opened and closed manually by 90° turn

Diameter

- Ø 14 mm
- Ø 16 mm
- Ø 18 mm
- Ø 8 mm
- Ø 8 mm

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

Swivels in brass

Description:

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

Part No

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



- 24519
- 24527
- 24528
- 24529
- 24537



- 24585
- 24586



Battery

Description:

- 9 V battery (alkaline), type 6LR61 9 V
- 1,5 V battery (alkaline), type LR03/AAA

For digital meters: 24702,10, 12, 20
For digital meters: 24700, 85, 95

- 2245634
- 2346077



Drip Holsters

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

Description:

- Drip holster, Standard
- Drip holster. with removable collector tray
- Drip holster. with removable collector tray

- 29020
- 29085
- 29095



Line Meters

Line Meters

Functions:

- For oil and glycol (24764, 24765 even for Diesel)
- 5 digit display
- Resettable trip meter
- Non resettable totaliser
- Easy calibration (accuracy 0,5%)
- Simple battery change

Technical Data

Working pressure:	0,5 - 70 bar (8-1.000 psi)
Temperature range:	0 °C to + 55 °C
Accuracy:	< 0,5% (after calibration)
Battery:	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

24795



24764



24762



24795

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

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

24796



24796

Line Meter 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 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

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

24720



24720

2472001

24738

24738



Stainless Steel Line Meter for Windscreen Fluids & AdBlue[®]

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

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

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

Note! Not suitable for windscreen fluids.

24760



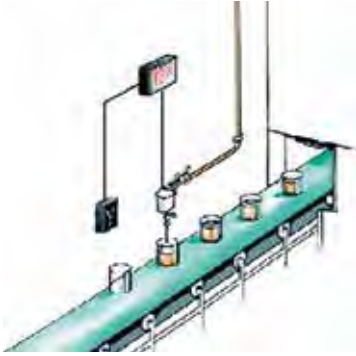
Notes:

Lined area for notes with horizontal dashed lines.



10 Monitoring

Dosing Equipment	118
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OriLink®	120
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Equipment	124
Solenoid Valves	124
Protection Kits	125



23455



SPEC2289



SPEC1290



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.



23457



SPEC2289



SPEC7291



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[®] PC

Basic functions

OriLink[®]

Max No. Hose Reels	253
Max No. Oil Grades	Unlimited
Max No. Keypads	Unlimited
Max No PIN Codes	Unlimited
Stores Control	•
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	•

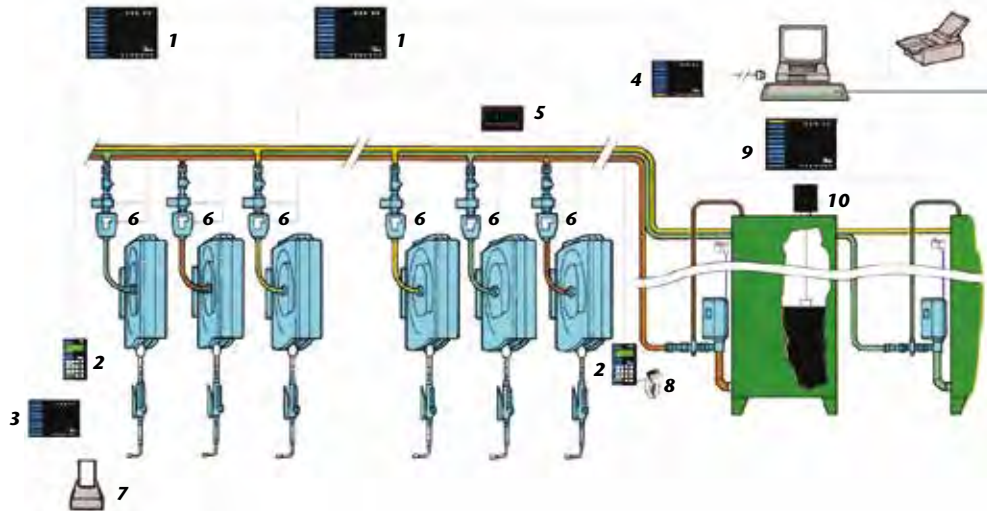
* ADB integrated systems (January 2014)

List of names:

1C, ABS, ACOSY, AD2000, ADP-US, Advance, ALNAOIL, Arista, AsaNet, ASWIN, ATS32, AUTO2000, AUTODIAZ, AUTOLINE, AUTOMAST, AUTOMAT, AUTOMATE, AUTOTRUCK, AUTOVISI, AUTOVISION, AXAPTA, Baris, BITS, BOFF, BohBros, BONUM, BOS, Caris, CARS, CAY, CDP, COMPLETA, CONCORC5, CONCORDX, CONNEX, COSWARE, DARTS, DEAS, DHow, DRACAR, ECHO, EDS, ELVADMS, EXCEL, FILAKSP, FLCARE, FleetMate, FleetPro, FleXi, FUTURE, GDMS, GDS, HELIOS, HondaIndia, HTM, IBCOS, ICar, IDMS, IMPHDL, INCADEA, INFOEASY, INFOFLEX, INFOLOG, Kerridge, KOBRA2, KOMMA, LAWSONM3, M3, Mahindra, Maruti, MEKOTECH, Merbag, MIF, MONITOR, MOVEX, NAVISION, NissanTW, ODBC, Optima21, OpusAllt, ORFALA, PvManager, QAW, QUITER, REYNOLDS, ROWIL, SAP, SAS, SDS, SDPS, SKAITA, SmartDMS, SMC, SQL, Stolpi, TACDIS, TACDIS5, TERAGEST, TEXT, TPX, TRANMAN, TSYSTEM, UNIVERSALAUTO, VIBS, Volmax, WASSIST, WISMA2K, XML

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

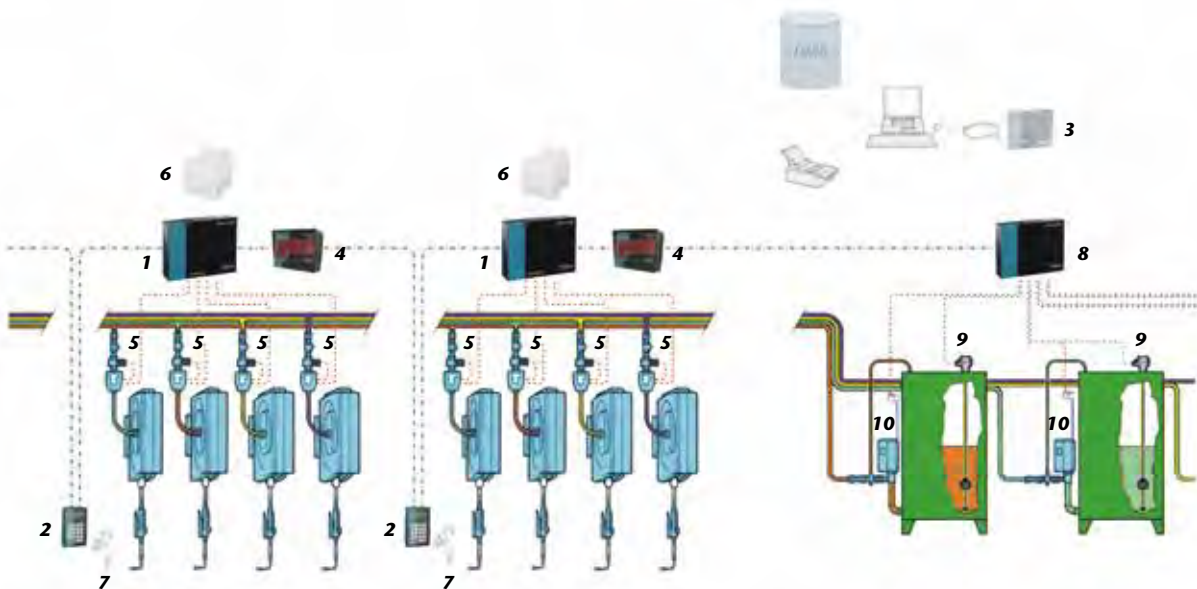
The OriLink® system is an advanced oil management system with no upper limit for number of reels, oilgrades or reels used simultaneously. An overview of the workshop oil system layout is presented as miniatures on the screen where all activities are graphically visible in real time! As all data is stored in the Windows environment comprehensive management reports can be obtained by using the advanced report engine in the system, or by exporting data to a report engine or other computer systems used on site.



Pos	Description	Part.No	Pos	Description	Part.No
1	Main Module (MPDM)	23400	7	Receipt Printer	23354
2	Keypad	23401	8	Bar Code Reader	23407
3	Printer Module	23402	9	Tank Module	23408/23430
4	PC-interface	23403	10	Analogue Level Sensor	23417
5	Digital LED Display	23404	11	Solenoid Valve	48059
6	Flow Meter/Solenoid Valve	SPEC2289	12	Software	23414



Approvable Monitoring System



Pos	Description	Part.No	Pos	Description	Part.No
1	Approvable Main Module (MPDM)	23600	6	Receipt Printer	23354
2	Keypad	23401	7	Bar Code Reader	23407
3	PC-interface	23403	8	Tank Module	23408/23430
4	Digital LED Display	23404	9	Tank Level Sensor	2330287
5	Flow Meter/Solenoid Valve	SPEC2294	10	Solenoid Valve	48059
			11	Software	23614

Approvable Monitoring System

Main Module (MPDM)

Each MPDM has connections to control up to four solenoid valves and is equipped with a key switch with normal operation, emergency over-ride and On/Off functions. Suitable for meter units with flow direction function. 230 V AC power supply required

Part No

23400



Approvable Main Module (MPDM)

Each MPDM has connections to control up to four solenoid valves and is equipped with a key switch with normal operation, emergency over-ride and On/Off functions. Has a built in printer modul for storage of transactions and local outprints. 230 V AC power supply required

23600



Key Pad, Standard

To be installed in the workshop in order to give the operator access to the system using a personal ID-code. 2 x 16 signs window, 20 buttons display. Can be equipped with serial port kit (23415) for external reader (23407 or 23409).

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

23401

23261

23260



PC-keypad

The PC-keypad makes it possible to start and stop dispensing from a PC by clicking on a dispensing point. Also works with touch screen and OCP 1.xx connections.

23431



Printer Module

With the printer module it is possible to connect a printer to the system (Model 23354). When the system has no PC (Program 23414) the information is stored in the printer module. Maximum 912 transactions, 32 users and 8 tanks can be stored. A system can have more than one printer module where there is a need for more than one ticket printer.

23402



Communication Adapter/PC-interface

For connecting the system to a PC. Can also be used as a line amplifier when the communication cable is longer than 2.000 metre.

23403



LED Display

Display with 40 mm digits. Displays the dispensed volume. When equipped with a clock module or PC-connected it shows the actual time when the system is not in use. One extra port for a solenoid valve.

23404

Can be used as tank level display together with 23408 or 23430.



Tank Module

The tank module has four connections for controlling air solenoid valves to start and stop the pumps and can also work together with a low level or low and re-order level sensor. Is equipped with a key switch with normal operation, emergency override and On/Off functions. Controls waste oil solenoid valves plus the re-order warning on the PC. This module only works together with PC software 23414. 230 V AC power supply required.

23408



See also 23430 on page 125!

Clock Module

Can be mounted in a printer module or LED display for showing the actual time, when the system is not in use. Maximum one per system. Not required when a PC is included in the system.

Part No

23405



Bar Code Reader

Complete laser reader for both hand held and bracket mounted bar code reading. Reads all one dimensional codes. Supplied with trigger, cable, net adapter (230 V AC) and a bracket.

23407



Card Reader

For both bar code and magnetic strip. Can read all the three tracks on the magnetic strips according to the ISO-standard. Cable and net adapter (230 V AC) are included.

23409



Dallas Key Reader

By equipping an OriLink® keypad with this kit it is possible to read the laser cut unique serial number of Dallas keys/Buttons. It requires the Flash chip in a keypad an updated keypad software.

23419



Serial Port Kit

To connect the Bar Code or the Card readers to the Keypad (23401).

23415



Professional Program

PC database with report functions. Must be installed when the system is to be connected to an ADB system or when several printers are used.

23414



Ticket Printer

Parallel printer SP700. Delivered complete with cables, paper and ribbon, ready for connection to the system. (230 V AC)

Description

Ticket printer, parallel

Spare ink ribbon for 23354 (SP700)

Spare ticket roll for 23354 (SP200, SP700)

Spare ink ribbon for 23354 (SP200)

23354

23377

23334

23335



Communication Cable

Two twisted pairs, each pair shielded 4-core 0,36 mm². Use between 23400 - 23410, 23430 and 23600.

23411



Control Cable

Use between MPDM and meter/solenoid valve. 4-core 0,5 mm²
5-core 0,5 mm²

23393

23412



EX cable

Between level switch and safety relay (23187) 4-core 0,5 mm²

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	Max. Pressure	Conn.	Postions
Pulses	thread	Included	
Meter for oil 24738 and solenoid valve 28127	5 MPa (50 bar) 328 pulses/l	G1/2" (m)	1-6
Meter for oil 24738 and solenoid valve 28127	5 MPa (50 bar) 328 pulses/l	G1/2" (m)	4-6 w/o strainer
Meter for oil 24738 and solenoid valve 28306	5 MPa (50 bar) 328 pulses/l	G1/2" (m)	1-6
Meter for oil 24738 and solenoid valve 28306	5 MPa (50 bar) 328 pulses/l	G1/2" (m)	4-6 w/o strainer
Approvable meter and solenoid valve 28306	5 MPa (50 bar) 328 pulses/l	G1/2" (m)	1-6
Meter for oil 24765 and solenoid valve 28306	2,5 MPa (25 bar) 36 pulses/l	G3/4" (m)	1-6

Part No
SPEC2290
23355
SPEC2289
23376
SPEC2294
SPEC2293



Line Meter kit for Windscreen Wash, Detergents and AdBlue®

Line Meter with solenoid valve. Indicates open valve.

Description	Max. Pressure	Conn.	Packings
Pulses	thread	Included	
Meter incl.	5 Mpa (50 bar)		Stainless Steel
Solenoid valve 28306	328 pulses/l	G1/2" (m)	
AdBlue® meter incl.	1 Mpa (10 bar)		Stainless Steel
solenoid valve	328 pulses/l	G1/2" (m)	

SPEC7291
SPEC7293



Line Meter Kit for Anti Freeze

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

Description	Max Pressure	Conn.	Packings
Pulses	thread	Included	
Line Meter 24760	2 Mpa (20 bar)		
solenoid valve not included	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	Max. Pressure	Conn.	Packings
Pulses	thread	Included	
Meter for diesel incl. 24765	1,0 Mpa (10 bar)	G3/4" (m)	Viton
solenoid valve 28308 ingår	36 pulses/l		

SPEC2292



Meter Kit for Grease

Meter kit with solenoid valve.

Description	Max. Pressure	Conn.
Pulses	thread	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

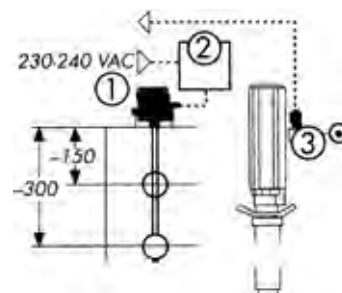


Waste Oil Control Equipment

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	23132
EX ia-barrier [EEX ia] IIC appr (230 V AC)	2	23187
Solenoid valve, 24 V DC for air	3	48059

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



Solenoids for Air

For the control of oil and waste oil pumps.

Description	Conn. thread	
Solenoid 230 V AC	G 1/4" (f)	48008
Silencer for 48008	G 1/4" (f)	2326260
Solenoid 24 V DC	G 1/4" (f)	48059
Solenoid 24 V DC	G 1/2" (f)	48081
Solenoid 24 V DC	G 3/4" (f)	48082
Solenoid 24 V AC/DC Ex.G 1/2" (f)	G 1/2" (f)	48080
<i>Atex Solenoid coil 24 V AC/DC suits 48059, 28306 and 28338</i>		2385450
<i>Solenoid coil 24 V AC suits 28306</i>		4080050



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)	28127
Solenoid for oil, glycol, wind screen fluids	G 1/2" (f)	5 MPa (50 bar)	28306
Solenoid for Grease	G 1/4" (f)	30 MPa (300 bar)	38013
Solenoid for Diesel	G 3/4" (f)	1 MPa (10 bar)	28308
Solenoid for Oil	G 1" (f)	6,0 MPa (60 bar)	28304
Solenoid for AdBlue®	G 1/2" (f)	1 MPa (10 bar)	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 ATEX classified 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

Self calibrated against the surrounding air pressure. To be connected to the OriLink Tank module Model 23408 or control panel 23430.

4-20 mA level sensor for tanks up to 4 m height

4-20 mA level sensor for drums and IBC containers

23417

23435



Safety Relay

This ATEX classified relay is to be installed outside of inflammable places. It is connected between the sensor in the inflammable place and the control panel. To be used in connection with sensors for waste oil or windscreen fluids. (230 V AC)

Description

Relay for 1 level switch (Eg 23132/23192) or 2 level switches (Eg 23183/23171)

Relay for 2 level sensors (Eg 23417)

23187

23188



Relay Box

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

23167

Overflow Protector for tanks

Designed for connection to the over flow system of the supply tanker. Level switch with thermo element. Connection plug for mounting at filling coupling included.

Description

Overflow protector for oil tank

Overflow protector, stainless steel for eg AdBlue®

23163

23168



Protection Kits

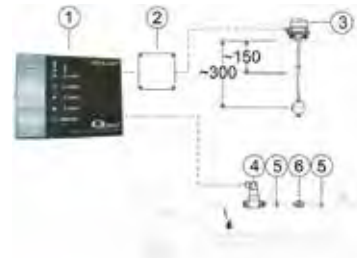
Two Stage Alarm Equipment for Waste Oil

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

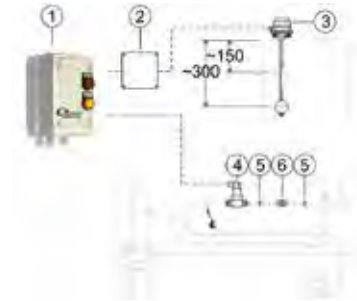


Two Stage Alarm Equipment for Waste Oil

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

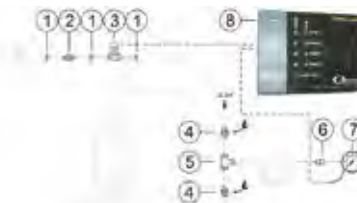


Pump Protection Kit for Grease Pumps

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



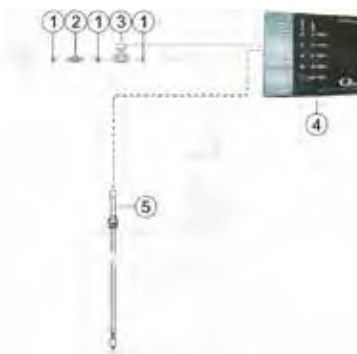
Pump Protection Kit, Oil and Liquid Pumps

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



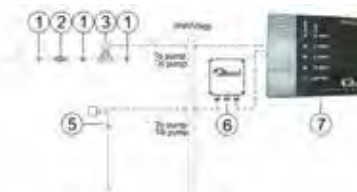
Pump Protection Kit for Pumps in EX Proof Areas

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

Trolleys	128
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Drum Lifts	130

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



Safety Drum Trolley with bracket for hose reel

Drum trolley for all containers up to 180 kg drums, with four wheels, 2 large Ø 250 mm, and two support wheels Ø 100 mm one equipped with a brake. Include a bracket for hose reel.

Description	Dimension (L x W x H)	Weight (approx.)
Safety drum trolley	980 x 800 x 900 mm	28 kg

28350



Drum Dolly

Dolly for Ø 400 - 600 mm diameter drums, with three adjustable drum attachments and three (Ø 75 mm) swivel castors, one with a brake.

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



Environment Protection & Drum Lifts

Safety Pallet

Safety pallet for upright drum storage, with built in spill containment. Suitable for all sizes and types of drum, the unit, which has a minimum sump capacity of 220 litre, addresses both Health and Safety and Environmental requirements.

Description	Dimension (L x W x H)	Weight	Material
Safety pallet for 2 drums	1.278 x 738 x 360 mm Volume approx.: 220 l	47 kg	Metal
Safety pallet for 2 drums	1.205 x 805 x 440 Volume approx.: 250 l	31 kg	Plastic

Accessorie for 29144, castors and handle

Part No

29142



29142

29144

29145

29144



Drum Wrench

Fits the most common types of drum caps.

29250



Drum Lift

Drum lift for upright oil drums. Simple to use, easy to apply. Approved for lifting up to 250 kg.

Description
Drum Lift

21100



Drum Lift

Drum lift for lifting horizontal drums. Particularly useful when storing drums in a drum store. Approved for lifting up to 250 kg.

Description
Drum Lift

21108



Hydraulic Drum Lift

Designed to handle drums on safety pallets and equipped with a pedal operated hydraulic lift. Lifting height over the floor 700 mm. Dimensions: width 900 mm, min height 1410 mm, max height 1915 mm.

Description
Hydraulic Drum Lift

DT300





12 Exhaust Equipment

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- Basic Kits / Swing Arms135
- Exhaust Rails.....136
- Exhaust Nozzles.....137
- Control Equipment.....138
- Extraction Arms140
- Fans.....141

Spring Operated Exhaust Reels

Spring Operated Exhaust Reel for Max. 10 m Ø 150 mm Hose (6")

For mounting on the ceiling or on the wall. Connecting adapter Ø 160 mm for fan or central exhaust system included. Max. capacity 10 m Ø 150 mm hose. For selection of hose mounting kit, hose, nozzle, fan etc., see following pages.

Description	Weight
Exhaust reel without hose	approx. 54 kg

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

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

Part No

84300

84500



Spring Operated Exhaust Reel for Max. 10 m Ø 100 mm Hose (4")

For mounting on the ceiling or on the wall. Connecting adapter Ø 160 mm for fan or central exhaust system included. Max. capacity 10 m Ø 100 mm (4") hose. For selection of hose mounting kit, hose, nozzle, fan etc., see following pages.

Description	Weight
Exhaust reel without hose	approx. 49 kg

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

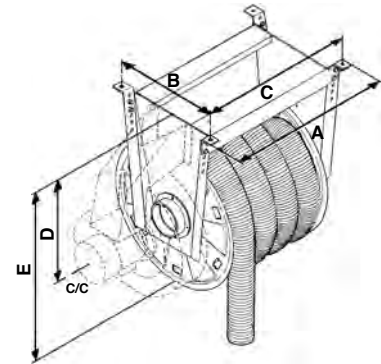
Description	Hose dimension	Length
Exhaust reel for Small Trucks/Cars	100 mm (4")	5 metres
Exhaust reel for Small Trucks/Cars	100 mm (4")	7,5 metres
Exhaust reel for Small Trucks/Cars	100 mm (4")	10 metres

84305

84504

84505

84506



84300	84305	84290
A 1030 mm	A 830 mm	A 630 mm
B 500 mm	B 500 mm	B 500 mm
C 974 mm	C 774 mm	C 574 mm
D 490 mm	D 490 mm	D 490 mm
E 790 mm	E 790 mm	E 790 mm

Spring Operated Exhaust Reel for Max. 7,5 m Ø 100 mm Hose (4")

For mounting on the ceiling or on the wall. Connecting adapter Ø 160 mm for fan or central exhaust system included. Max. capacity 7,5 m Ø 100 mm (4") hose. For selection of hose mounting kit, hose, nozzle, fan etc., see following pages.

Description	Weight
Exhaust reel without hose	approx. 44 kg

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

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

84290

84503

Hose Mounting Kits for Exhaust Hose Reels

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

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



Hose guide through suspended ceilings for 84506 and 84505

Used for guiding the exhaust hose through suspended ceilings. Adjustable between ceiling and suspended ceiling from 840 mm to 1600 mm.

82004



Electric Driven Exhaust Reels

Electric Driven Exhaust Reel for Max. 10 m Ø 150 mm Hose (6")

For mounting on the ceiling or on the wall. Connecting adapter Ø 160 mm for fan or central exhaust system included. Max. hose capacity 10 m Ø 150 mm hose.

For selection of hose mounting kit, hose, nozzle, fan etc., see following pages. 1 phase 220-240 V, 50 Hz.

Description

Electric Exhaust reel without hose and control box.

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

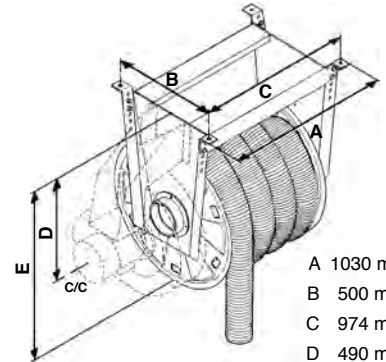
Description	Hose dim.	Length
Electric exhaust reel with hose for trucks	125 mm (5")	10 metres
Electric exhaust reel with hose for trucks	150 mm (6")	10 metres

Part No

83105



84510
84511



- 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.

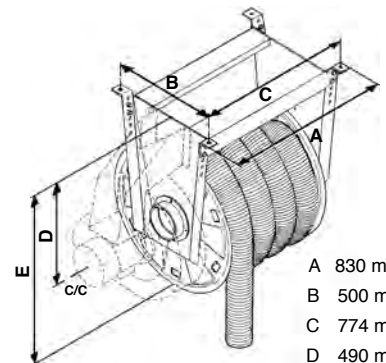
Complete reels with hose (+150 °C). Just add a nozzle. Control box included. Delivered unassembled.

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



84512
84513



- 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 Standard	300 °C	500 °C	650 °C*
Ø 150 mm (6")	2,5 m		88459		
Ø 75 mm (3")	5 m	88330	88445		
Ø 100 mm (4")	5 m	88340	88450		
Ø 125 mm (5")	5 m	88350	88455		
Ø 150 mm (6")	5 m	88360	88460		88480
Ø 75 mm (3")	7,5 m	88333	88446		
Ø 100 mm (4")	7,5 m	88343	88451		
Ø 125 mm (5")	7,5 m	88353	88456		
Ø 150 mm (6")	7,5 m	88363	88461		88481
Ø 75 mm (3")	10 m	88331	88447		
Ø 100 mm (4")	10 m	88341	88452		
Ø 125 mm (5")	10 m	88351	88457		
Ø 150 mm (6")	10 m	88361	88462	88575	88482
Ø 75 mm (3")	12,5 m	88334	88448		
Ø 100 mm (4")	12,5 m	88344	88453		
Ø 125 mm (5")	12,5 m	88354	88458		
Ø 150 mm (6")	12,5 m	88364	88463		88483

*Note! A mounting kit must be used to connect the hose to the reel (see above).
Approx. 0,5 m of the total hose length will be used inside the reel.*

**Always with metal nozzle.*



Air flow in exhaust hoses:

Ø 75 mm	at air flow	< 270 m³/h
Ø 100 mm	at air flow	< 540 m³/h
Ø 125 mm	at air flow	< 810 m³/h
Ø 150 mm	at air flow	< 1080 m³/h

Recommended air flow

Cars = 360 m³/h
Trucks = 1.080 m³/h

Exhaust Hose, Heavy Duty

The hose is crush proofed with nylon coil incl. one Y-adapter and two hose clamps (temp. resistant +150 °C).

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

88220
88221
88222
88223



Hose Connecting Kits

To connect hoses with the same diameter. The kit consists of a hose adapter and two hose clamps.

For hose diameter	Ø 75 mm (3")
	Ø 100 mm (4")
	Ø 125 mm (5")
	Ø 150 mm (6")

88485
88486
88487
88488



Safety Disconnect Coupling

The safety disconnect coupling is to protect your equipment from unexpected work place events, such as when a service technician forgets to remove the exhaust hose from the vehicle before moving it. The safety disconnect coupling will automatically separate to protect the vehicle and your exhaust system.

Description	Hose diameter		
Safety disconnect coupling	75 mm (3")	Mechanical	88490
Safety disconnect coupling	100 mm (4")	Mechanical	88491
Safety disconnect coupling	125 mm (5")	Mechanical	88492
Safety disconnect coupling	150 mm (6")	Mechanical	88493
Safety disconnect coupling	100 mm (4")	Magnetic	88571
Safety disconnect coupling	125 mm (5")	Magnetic	88572



Fixed Exhaust Extractors

A fixed exhaust extractor is easily designed by selecting hose, nozzle, hose support, balancer and hose clamps. For suitable hoses and nozzles, see previous pages. Balancer, see below.

A
Hose supports make it possible to hang the hose on a balancer.

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

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

Description	For hose diam.
Hose clamp	Ø 75 mm (3")
Hose clamp	Ø 100 mm (4")
Hose clamp	Ø 125 mm (5")
Hose clamp	Ø 150 mm (6")

For high temp hose

Hose clamp	Ø 75 mm (3")
Hose clamp	Ø 100 mm (4")
Hose clamp	Ø 125 mm (5")
Hose clamp	Ø 150 mm (6")
Hose clamp	Ø 200 mm (8")

Balancer

C
This balancer supports loads within an area of 0-4,5 m and at an angle of max 30° from the plumb line. Some of the balancers is equipped with a locking device which locks the extension wire in the extended position. The locking device disengages when the wire is pulled out approx. 0,2 m and then released. Delivered complete with safety chain and spring safety hooks.

Description	Wire length.	Load
Balancer with locking device	3 m	7-14 kg
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

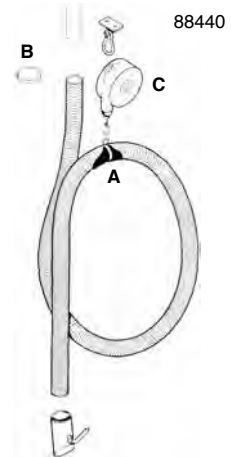
Switch for fan control, can be mounted on 84435

Part No

88441
88442

72101045
72101011
72101063
72101021

88590
88591
88592
88593
88594



Nozzle see page 135.

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")	0,55 kW - 1.800 m³/h
Kit for Car	100 mm (4")	0,55 kW - 1.800 m³/h
Kit for Trucks	125 mm (5")	0,55 kW - 1.800 m³/h
Kit for Trucks	150 mm (6")	0,55 kW - 1.800 m³/h

Note! Exhaust Nozzle must be ordered separately.

84440
84441

84442
84443



Exhaust Drop on Swinging Arm

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

Note! Exhaust Nozzle and Fan must be ordered separately.

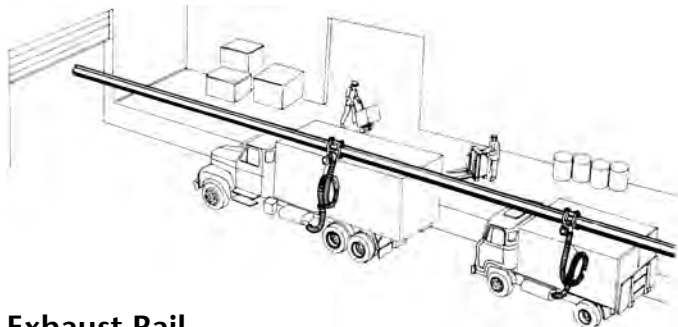
84712
84713



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.

Length	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

84530
84531
84532
84533
84534
84535

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".

Note! 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".

Note! Hose and nozzle order separately!

84215
84216



Rubber Nozzles. General Information

A rubber nozzle is used to connect the exhaust hose with the exhaust system of the vehicle. The nozzle is designed to take in cooling air, thereby reducing the exhaust fume temperature and resistance in the exhaust system and guaranteeing the accuracy of exhaust readings.

These nozzles are highly suitable for use with fixed extractors, exhaust reels and straight rails (clamp fixing essential).

Specifications

The rubber nozzle is composed of moulded, high temperature resistant rubber. The nozzle is provided with an opening (which can be sealed with a rubber plug) suitable for insertion of an exhaust probe, diameter \varnothing 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 $+220^{\circ}\text{C}$

Rubber Nozzle

Description	Hose diameter	Oval nozzle opening	Part No
Rubber nozzle	\varnothing 100 mm	\varnothing 140 - 25 mm	88560
Rubber nozzle	\varnothing 100 mm	\varnothing 180 - 30 mm	88561
Rubber nozzle	\varnothing 100 mm	\varnothing 200 - 50 mm	88562
Rubber nozzle	\varnothing 125 mm	\varnothing 200 - 50 mm	88563
Rubber nozzle	\varnothing 150 mm	\varnothing 200 - 50 mm	88564



Rubber Nozzle with Probe Opening and Clamp Fixing

Description	Hose diameter	Oval nozzle opening	Part No
Rubber nozzle	\varnothing 75 mm	155 x 90 (\varnothing 115 mm)	88320
Rubber nozzle	\varnothing 100 mm	155 x 90 (\varnothing 115 mm)	88324
Rubber nozzle	\varnothing 100 mm	210 x 115 (\varnothing 160 mm)	88321
Rubber nozzle	\varnothing 125 mm	210 x 115 (\varnothing 160 mm)	88322
Rubber nozzle	\varnothing 150 mm	210 x 115 (\varnothing 160 mm)	88323



Rubber Nozzle with Probe Opening and Damper

Description	Hose diameter	Oval nozzle opening	Part No
Rubber nozzle	\varnothing 75 mm	155 x 90 (\varnothing 115 mm)	88315
Rubber nozzle	\varnothing 100 mm	155 x 90 (\varnothing 115 mm)	88316
Rubber nozzle	\varnothing 100 mm	210 x 115 (\varnothing 160 mm)	88317
Rubber nozzle	\varnothing 125 mm	210 x 115 (\varnothing 160 mm)	88318
Rubber nozzle	\varnothing 150 mm	210 x 115 (\varnothing 160 mm)	88319



Rubber Nozzle with Probe Opening, Damper and Clamp Fixing

Description	Hose diameter	Nozzle opening	Part No
Rubber nozzle	\varnothing 75 mm	155 x 90 (\varnothing 115 mm)	88325
Rubber nozzle	\varnothing 100 mm	155 x 90 (\varnothing 115 mm)	88326
Rubber nozzle	\varnothing 100 mm	210 x 115 (\varnothing 160 mm)	88327
Rubber nozzle	\varnothing 125 mm	210 x 115 (\varnothing 160 mm)	88328
Rubber nozzle	\varnothing 150 mm	210 x 115 (\varnothing 160 mm)	88329



Rubber Nozzle with Probe Opening, Spring Fixing

Description	Hose diameter	Nozzle opening	Part No
Rubber nozzle	\varnothing 75 mm	155 x 90 (\varnothing 115 mm)	88520
Rubber nozzle	\varnothing 100 mm	155 x 90 (\varnothing 115 mm)	88521
Rubber nozzle	\varnothing 100 mm	210 x 115 (\varnothing 160 mm)	88522
Rubber nozzle	\varnothing 125 mm	210 x 115 (\varnothing 160 mm)	88523
Rubber nozzle	\varnothing 150 mm	210 x 115 (\varnothing 160 mm)	88524



Metal Nozzle with Rubber Lid

Description	Hose diameter	Nozzle opening	Part No
Metal nozzle	\varnothing 75 mm	\varnothing 100 mm	88310
Metal nozzle	\varnothing 100 mm	\varnothing 100 mm	88311
Metal nozzle	\varnothing 125 mm	\varnothing 125 mm	88312
Metal nozzle	\varnothing 125 mm	\varnothing 150 mm	88313
Metal nozzle	\varnothing 150 mm	\varnothing 150 mm	88314



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
Exhaust nozzle, universal	Ø 100 mm / 4"	Ø 35-70 mm	88565

88555

88565



Exhaust Funnel

For simple, fast and accurate exhaust fume readings. The adjustable exhaust funnel is placed behind the vehicle exhaust pipe in order to capture and remove exhaust fumes. The exhaust fume readings are entirely resistance free and cooling air reduces the temperature. To be used with Ø 150 mm hoses and nozzles.

Description	Opening facing exhaust pipe	Part No
Exhaust funnel	200 x 230 mm	88395

88395

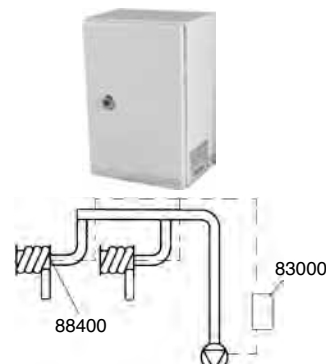


Starter

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

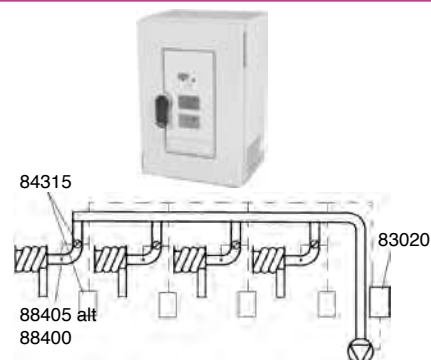


Control Box

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 (0-1000 Pa).

Pressure sensor (0-2500 Pa).

Part No
84370
84371
84372
84373
84374
83040
83015

84370



83015



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

84245



Automatic Damper

Fully automatic, motorized damper, Ø 160 mm. Should be supplemented with a switch assembly (88400).

Description

Automatic damper

Power supply

24 V AC

84312


Transformer

Transformer for halogen lamp cartridge (84725), 230 V/24 V, 80 W.

Description

Transformer

Power supply

230 V/24 V AC, 80 W

88431


Micro Switch

Used for control of damper and fan in spring operated exhaust reels. This device can be used with starter (83000) or automatic damper (84315) and control unit (83020).

Description

Micro switch

88400


Extraction Arms

Extraction Arms. 1,5 , 2 and 3 m

Ball-bearing jointed extraction arms for dust, welding fumes, soldering, fumes, oil mist, fumes from solvents etc. Delivered complete with wall mounting bracket and a Ø160 mm spigot for connection to a central duct work system. The detachable hood with manual damper and safety mesh can be angled 110° forwards, backwards and to the sides. A LED-lamp can be fitted in the hood.

Description

Extraction 1,5 m
 Extraction 2 m
 Extraction 3 m

Part No

84700
 84701
 84702

84700



Ceiling Bracket for Extraction Arm

For ceiling mounting of an extraction arm.

Description

Ceiling bracket
 Ceiling bracket

Length

0,5 m
 1,0 m

84720
 84721

84720



Bodywork Extraction Arm

Bodywork extraction arm for effective evacuation of welding fume, grinding dust and vapours when performing vehicle bodywork. Easy to manoeuvre with 360° movability and high positional stability.

Description

Bodywork extraction arm 5 m with wall bracket
 Bodywork extraction arm 5 m with ceiling bracket

84710
 84711

84711



Extraction Arm with Extension Swing Arm

Extraction arm with extension swing arm, wall bracket, hose and Ø 160 mm ventilation tube.

Description

Extraction arm with extension swing arm
 Extraction arm with extension swing arm
 Extraction arm with extension swing arm
 Extraction arm with extension swing arm
 Extraction arm with extension swing arm

Length

4 m
 5 m
 7 m
 9 m
 11 m

84703
 84704
 84705
 84706
 84707

84704



Lighting and Switch

Lighting for extraction arm, LED-lamp 24V.

Description

Complete LED-lighting with on/off switch for fan
 Complete LED-lighting
 On/off switch for fan
 Relay box 24 V AC, to be used together with electrical damper and light

84725
 84726
 84727
 83023

84725



Accessories for Extraction Arms

Description

Glazier hood for extraction arm
 3,5 m extension hose for extraction arms with magnetic bracket

84730
 84731

84731



Mobile Mechanical Filter

1 phase 0,75 kW 220-240V 50Hz. Delivered with a 5 m cable.
Filter up to 98% of the pollution.

Decription	Length
Mobile mechanical filter with extraction arm	2 m
Mobile mechanical filter with extraction arm	3 m
Cartridge filter cassette (spare part)	
Carbon fiber cassette (spare part)	

Part No

- 84620
- 84621
- 84623
- 84624



Fans for Exhaust and Fumes

Delivered with wall or ceiling bracket (84550-84553).
Includes outlet with the same diameter as the inlet.

Rough Recommendations

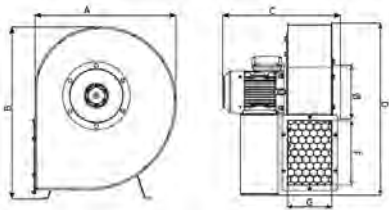
Beside each respective fan you can see our rough recommendations for use.

Descript.	Free flow capacity	Power supply	Rated current	Output
Fan	1.400 m³/h	3~ 230/400 V, 50 Hz	1-1,1 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	3.000 m³/h	3~ 230/400 V, 50 Hz	2,5-2,7 A	1,1 kW



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

- 84550
- 84551
- 84552
- 84553



Dimensions in mm

A	B	C	D	ø	F	G	Weight
426	508	383	508	158	189	131	20 kg
426	508	406	508	158	189	154	21 kg
477	566	450	566	198	212	168	27 kg
534	634	436	634	198	299	165	30 kg

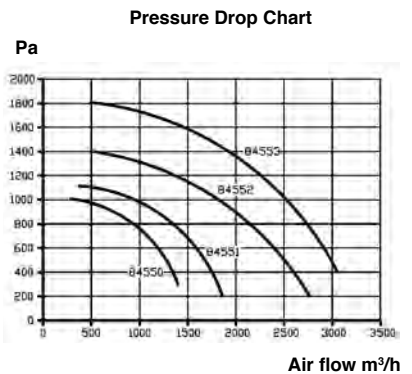
Includes outlet with the same diameter as the inlet.

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



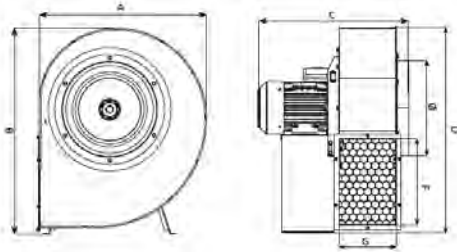
- 88550
- 88551
- 88552
- 88553

Fans and Accessories

Fans for larger systems

These robust fans are designed for larger systems of exhaust hose reels, straight rails and fume extractors. Can also be used for general ventilation and similar tasks. Stand and fan housing are made of steel and fan wheels are made of aluminum. Suitable to be used with frequency converter.

Free flow capacity	Power supply	Rated current	Output
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	Ø	F	G	Weight
598	707	505	707	248	271	180	46 kg
713	861	623	861	398	361	240	49 kg
790	982	740	982	498	401	283	67 kg

Fan Accessories

Description	For Fan
Outlet from rectangular to round Ø 315 mm	84554
Outlet from rectangular to round Ø 400 mm	84555
Outlet from rectangular to round Ø 500 mm	84556

- 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	84554, 84555
Anti-vibration dampers to isolate noise and vibration	84556

Part No

84554

84555

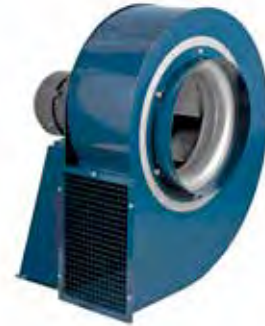
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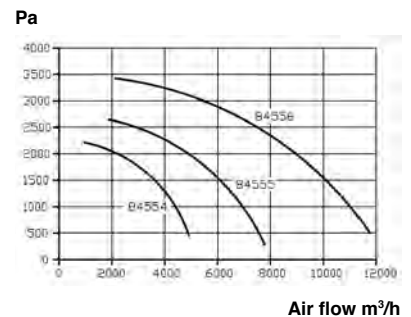
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84555



Pressure Drop Chart



84380



84571

84572

84573

84384



84384

84385

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84388

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85390



85390

85391



13 Installation Equipment

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Installation Components, Oil

Pipe Diameters for Different Pipe Lengths (EN10305-4)

Tube Length	Diameter
0 - 50 m	Ø 22 x 1,5 mm
0 - 150 m	Ø 28 x 2 mm
0 - 300 m	Ø 35 x 3 mm

E-Coated Steel Tubes for Oil

Part No	Description	Dimension, Ø x wall thickness
90101120	22x1,5FZ	E-Coated Steel tube Ø 22 x 1,5 mm, pipe length 6 m
90101162	28x2FZ	E-Coated Steel tube Ø 28 x 2 mm, pipe length 6 m
90101192	35x3FZ	E-Coated Steel tube Ø 35 x 3 mm, pipe length 6 m

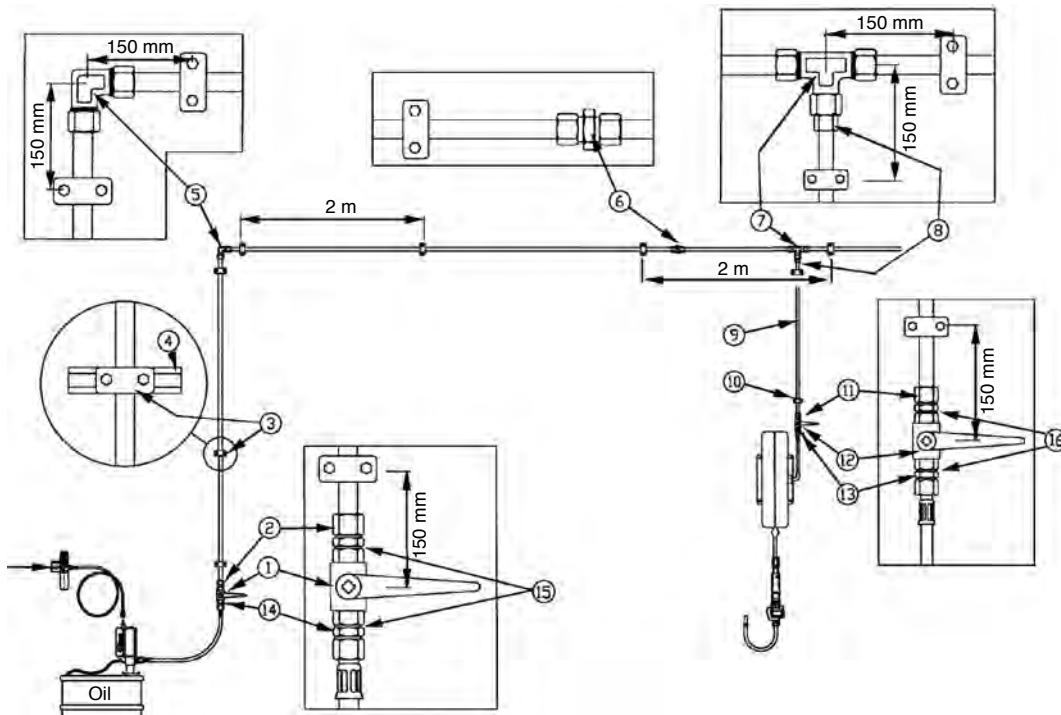
Installation Components

Item Nos refer to the drawing below

Item	Description	Pipe diameter	Pipe diameter	Pipe diameter
		Ø 22 x 1,5 mm	Ø 28 x 2 mm	Ø 35 x 3 mm
1	Shut-off valve	30101111	30101081	30101087
2	Male connector	10103724	10103292	10103325
3	Pipe clamp	70101249	70101273	70101297
4	Bracket for clamp	70501423	70501423	70501423
	(Length= 2 m)	(Length= 2 m)	(Length= 2 m)	
5	Angle connector	10106490	10106496	10106502
6	Union connector	10103070	10103079	10103088
7	Tee connector	10106367	10106373	10106379
8	Reducer	-	-	10101564
9	Pipe	90101120	90101162	90101192
	(L= 6 m)	(L= 6 m)	(L= 6 m)	
10	Pipe clamp	70101249	70101273	70101249
11	Male connector	10103724	10103295	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, 14, 2 pcs 15.
Pipe kit	99403	99404	99405	Parts included: Item 4, 6, 9, 4 pcs 3.
Reel installation kit	99406	99407	-	Parts included: Item 11,12, 13, 2pcs 16.



Pipe Diameters for Different Pipe Lengths (EN10305-4)

Tube Length	Diameter
0 - 20 m	Ø 20 x 3 mm
0 - 35 m	Ø 25 x 3 mm
0 - 60 m	Ø 38 x 4 mm

E-Coated Steel Tubes for Grease

Part No	Description	Dimension, Ø x wall thickness
73202	E-Coated Steel tube	Ø 20 x 3 mm, pipe length 6 m
73252	E-Coated Steel tube	Ø 25 x 3 mm, pipe length 6 m
73383	E-Coated Steel tube	Ø 38 x 4 mm, pipe length 6 m

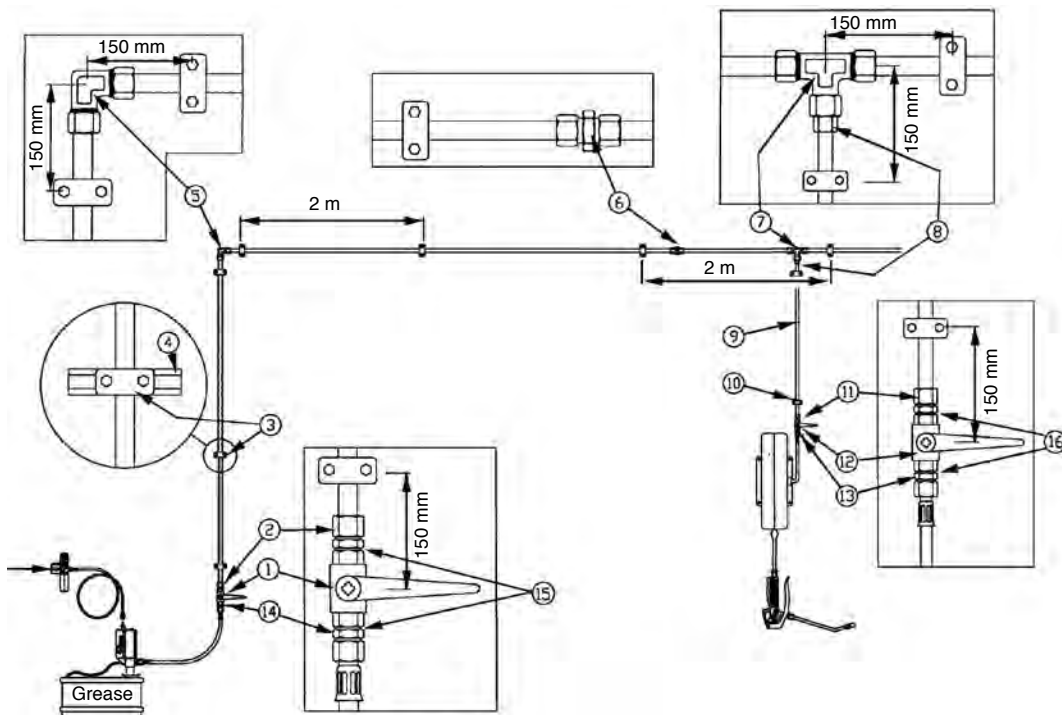
Installation Components

Item Nos refer to the drawing below.

Item	Description	Pipe diameter	Pipe diameter	Pipe diameter
		Ø 20 x 3 mm	Ø 25 x 3 mm	Ø 38 x 4 mm
1	Shut-off valve	30201345	30201345	30201345
2	Male connector	10103250	10103280	10103337
3	Pipe clamp	70101237	70101261	70101303
4	Bracket for clamp	70501423	70501423	70501423
		(Length=2 m)	(Length= 2 m)	(Length= 2 m)
5	Angle connector	10106484	10106493	10106505
6	Union connector	10103064	10103073	10103091
7	Tee connector	10106364	10106370	10106382
8	Reducer	-	10101498	10101588
9	Pipe	73202 (L= 6 m)	73252 (L=6 m)	73383 (L=6 m)
10	Pipe clamp	70101237	70101261	70101303
11	Male connector	10103250	10103280	10103337
12	Shut-off valve	30201345	30201345	30201345
13	Adapter	25102047	25102047	25102047
			+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, 14, 2pcs 15.
Pipe kit	99420	99421	99422	Parts included: Item 4, 6, 9, 4pcs 3.
Reel installation kit	99423	99424	99425	Parts included: Item 11,12, 13, 2pcs 16.



Installation Components, Water Based Fluids

Pipe Diameters for Different Pipe Lengths

Tube Length	Diameter
0 - 50 m	Ø 15 x 1,5 mm
0 - 300 m	Ø 22 x 1,5 mm

Stainless Steel Tubes for Water, Glycol etc

Part No	Description	Dimensions
90201015	Welded Stainless Steel (EN1.4301/TP304)	Ø 15 x 1,5 mm, pipe length 6 m
90201030	Welded Stainless Steel (EN1.4301/TP304)	Ø 22 x 1,5 mm, pipe length 6 m

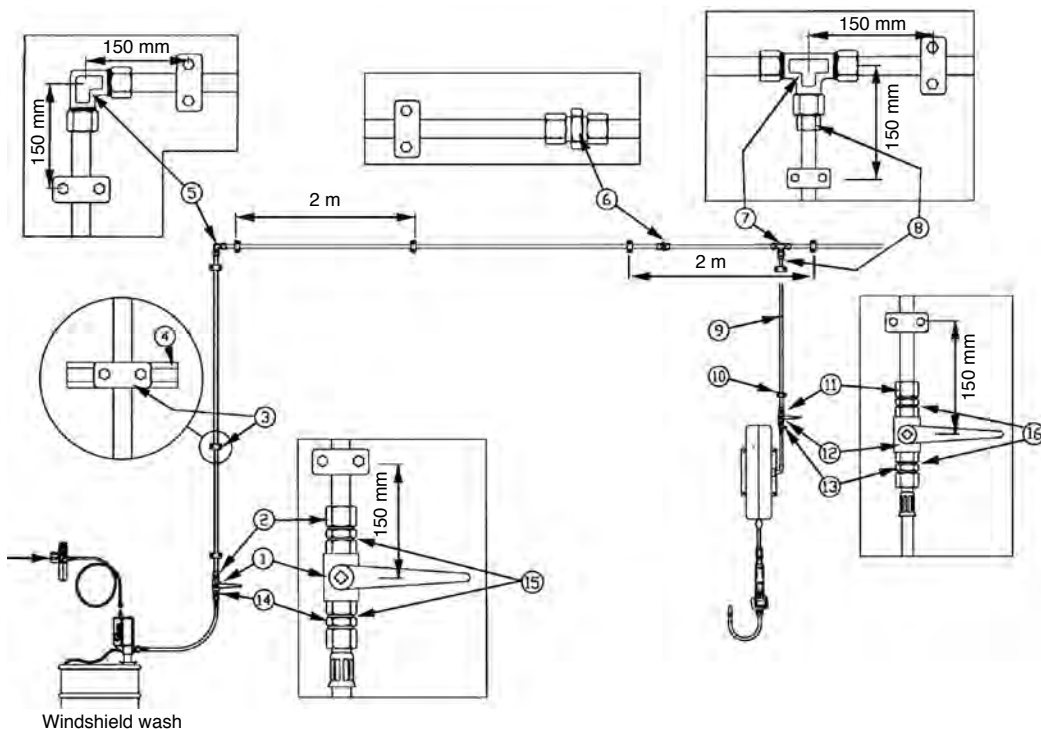
Installation Components

Item Nos refer to the drawing below

Item	Description	Pipe diameter	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: Item 1, 2, 14, 2pcs 15.
Pipe kit	99410	99411 Parts included: Item 4, 6, 9, 4pcs 3.
Reel installation kit	99412	99413 Parts included: Item 11, 12, 13, 2pcs 16.



Rubber/Steel Washer

Description

GBR 1/8"
 GBR 1/4"
 GBR 3/8"
 GBR 1/2"
 GBR 3/4"
 GBR 1"
 GBR 1 - 1/4"
 GBR 1 - 1/2"
 GBR 2"

Description

Rubber/steel washer
 Rubber/steel washer
 Rubber/steel washer
 Rubber/steel washer
 Rubber/steel washer
 Rubber/steel washer
 Rubber/steel washer
 Rubber/steel washer
 Rubber/steel washer

Part No

10103532
 10103529
 10103547
 10103526
 10103544
 10103517
 10103523
 10103520
 10103538



Adapters in Steel

Description

Adapter
 Adapter
 Adapter
 Adapter
 Adapter
 Adapter
 Adapter
 Adapter
 Adapter
 Adapter
 Adapter
 Adapter
 Adapter
 Adapter
 Adapter
 Adapter
 Adapter

Thread male-male

G1/8" - G1/8"
 G1/8" - G1/4"
 G1/4" - G1/4"
 G3/8" - G1/4"
 G3/8" - G3/8"
 G1/2" - G1/4"
 G1/2" - G3/8"
 G1/2" - G1/2"
 G3/4" - G1/4"
 G3/4" - G3/8"
 G3/4" - G1/2"
 G3/4" - G3/4"
 G1" - G1/2"
 G1" - G3/4"
 G1" - G1"
 G1 1/4" - G3/4"
 G1 1/4" - G1"
 G1 1/2" - G1"
 G2" - G2"

Max. pressure

64 MPa (640 bar)
 64 MPa (640 bar)
 64 MPa (640 bar)
 64 MPa (640 bar)
 64 MPa (640 bar)
 64 MPa (640 bar)
 64 MPa (640 bar)
 64 MPa (640 bar)
 64 MPa (640 bar)
 64 MPa (640 bar)
 64 MPa (640 bar)
 40 MPa (400 bar)
 40 MPa (400 bar)
 40 MPa (400 bar)
 40 MPa (400 bar)
 40 MPa (400 bar)
 40 MPa (400 bar)
 40 MPa (400 bar)
 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

Bulkhead Fitting
 Bulkhead Fitting
 Bulkhead Fitting
 Bulkhead Fitting
 Bulkhead Fitting

Thread (male-male)

G1/4" - G1/4"
 G3/8" - G3/8"
 G1/2" - G1/2"
 G3/4" - G3/4"
 G1" - G1"

Max. pressure

64 MPa (640 bar)
 64 MPa (640 bar)
 64 MPa (640 bar)
 64 MPa (640 bar)
 64 MPa (640 bar)

25101768
 25101771
 25101774
 25101780
 25101783



Bushings, in Steel

Description

Bushing
 Bushing
 Bushing
 Bushing
 Bushing
 Bushing
 Bushing

Thread (male-female)

G1/4" - G1/8"
 G3/4" - G1/4"
 G3/4" - G3/8"
 G3/4" - G1/2"
 G3/4" - G1"
 G3/4" - G11/4"
 G1 1/4" - G3/4"

Max. pressure

40 MPa (400 bar)
 40 MPa (400 bar)
 40 MPa (400 bar)
 40 MPa (400 bar)
 40 MPa (400 bar)
 40 MPa (400 bar)
 40 MPa (400 bar)

25101819
 10105998
 10106001
 25101864
 25101871
 70091220
 10105941



Adapter in Steel

Description

Adapter
 Adapter
 Adapter

Thread (female-female)

G1/2" - G1/2"
 G3/4" - G1/2"
 G1" - G3/4"

Max. pressure

40 MPa (400 bar)
 40 MPa (400 bar)
 40 MPa (400 bar)

25101942
 25101948
 25101963



Reduction in Steel

Description

Reduction Stainless Steel
 Reduction
 Reduction
 Reduction
 Reduction
 Reduction
 Reduction

Pipe dimension

Ø 22 - Ø 15 mm
 Ø 22 - Ø 15 mm
 Ø 28 - Ø 22 mm
 Ø 35 - Ø 28 mm
 Ø 35 - Ø 22 mm
 Ø 25 - Ø 20 mm
 Ø 38 - Ø 25 mm
 Ø 38 - Ø 20 mm

Max. pressure

25 MPa (250 bar)
 25 MPa (250 bar)
 25 MPa (250 bar)
 25 MPa (250 bar)
 25 MPa (250 bar)
 40 MPa (400 bar)
 40 MPa (400 bar)
 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	Part No
Adapter	G1/4" - G1/4"	64 MPa (640 bar)	25102341
Adapter	G1/4" - G3/8"	64 MPa (640 bar)	25102344
Adapter	G3/8" - G3/8"	64 MPa (640 bar)	25102350
Adapter	G3/8" - G1/4"	64 MPa (640 bar)	25102347
Adapter	G3/8" - G1/2"	64 MPa (640 bar)	25102353
Adapter	G1/2" - G1/2"	64 MPa (640 bar)	25102359
Adapter	G1/2" - G3/8"	64 MPa (640 bar)	25102356
Adapter	G1/2" - G3/4"	64 MPa (640 bar)	25102365
Adapter	G3/4" - G3/4"	64 MPa (640 bar)	25102383
Adapter	G3/4" - G1/2"	64 MPa (640 bar)	25102377
Adapter	G3/4" - G1"	64 MPa (640 bar)	25102386
Adapter	G1" - G1"	64 MPa (640 bar)	25102392
Adapter	G1" - G3/4"	64 MPa (640 bar)	25102389



W-adapters with a Swivelling Nut, in Steel

Description	Thread (male-female)	Max. pressure	Part No
Adapter	G1/4" - G1/4"	64 MPa (640 bar)	25102428
Adapter	G3/8" - G3/8"	64 MPa (640 bar)	25102431
Adapter	G1/2" - G1/2"	64 MPa (640 bar)	25102434
Adapter	G3/4" - G3/4"	64 MPa (640 bar)	25102440
Adapter	G1" - G1"	64 MPa (640 bar)	25102446



Adapters with two Swivelling Nuts, in Steel

Description	Thread (female-female)	Max. pressure	Part No
Adapter	G1/2" - G1/2"	64 MPa (640 bar)	25101903
Adapter	G3/4" - G3/4"	64 MPa (640 bar)	25101909



W-adapters with two Swivelling Nuts, in Steel

Description	Thread (female-female)	Max. pressure	Part No
Adapter	G1/4" - G1/4"	64 MPa (640 bar)	25101126
Adapter	G1/2" - G1/2"	64 MPa (640 bar)	25101132



T-adapters, in Steel

Description	Thread (male-male-male)	Max. pressure	Part No
Adapter	G1/4" - G1/4" - G1/4"	64 MPa (640 bar)	25102866
Adapter	G3/8" - G3/8" - G3/8"	64 MPa (640 bar)	25102867
Adapter	G1/2" - G1/2" - G1/2"	64 MPa (640 bar)	25102869
Adapter	G3/4" - G3/4" - G3/4"	64 MPa (640 bar)	25102875
Adapter	G1" - G1" - G1"	64 MPa (640 bar)	25102878



Plug, in Steel

Description	Thread (male)	Max. pressure	Part No
Plug	G1/4"	64 MPa (640 bar)	25101513
Plug	G1/2"	64 MPa (640 bar)	25101519
Plug	G3/4"	64 MPa (640 bar)	25101495
Plug	G1"	64 MPa (640 bar)	25101498
Plug	G2"	2,5 MPa (25 bar)	9320119



Quick Connector, in Steel

Description	Thread (female)	Max. pressure	Part No
Male	G1/2"	16 MPa (160 bar)	35101222
Female	G1/2"	16 MPa (160 bar)	35101216
Male	G3/4"	16 MPa (160 bar)	35101273
Female	G3/4"	16 MPa (160 bar)	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)	G1/2"	38220812
Hose Fitting	3/4" (20 mm)	G3/4"	38221212
Hose Fitting	3/4" (20 mm)	G1"	38221612



Hose Clamp

Description	Dimension	Part No
Hose Clamp	Ø 8 - 16 mm	72101051
Hose Clamp	Ø 12 - 22 mm	72101126
Hose Clamp	Ø 16 - 25 mm	72101081
Hose Clamp	Ø 20 - 32 mm	72101087



Adapters in Stainless Steel

Description	Threads	Max. pressure	Part No
Adapter	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



78020812



78900808



78080808



78310808



78510808



78070808



10201474

Shut-off Valves in Steel

Description	Media	Thread (f)	Max. pressure	Part No
BKH R 1/8	Grease and oil	G1/8"	50 MPa (500 bar)	30201339
BKH R 1/4	Grease and oil	G1/4"	50 MPa (500 bar)	30201330
BKH R 3/8	Grease and oil	G3/8"	50 MPa (500 bar)	30201354
BKH R 1/2	Grease and oil	G1/2"	50 MPa (500 bar)	30201315
BKH R 3/4	Grease and oil	G3/4"	40 MPa (400 bar)	30201345
BKH R 1	Grease and oil	G 1"	35 MPa (350 bar)	30201300
BKH R 1 1/4	Grease and oil	G 1 1/4"	35 MPa (350 bar)	30201309



Shut-off Valves in Brass

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

Thread (f)	Pressure	Operation	Part No
G3/8"	6,4 MPa (64 bar)	Lever	30101117
G1/2"	6,4 MPa (64 bar)	Lever	30101093
G3/4"	4,0 MPa (40 bar)	Lever	30101111
G1"	4,0 MPa (40 bar)	Lever	30101081
G1 1/4"	2,5 MPa (25 bar)	Lever	30101087
G1 1/2"	2,5 MPa (25 bar)	Lever	30101084
G2"	2,5 MPa (25 bar)	Lever	30101102
G1/4"	6,4 MPa (64 bar)	Handle	30101129
G3/8"	6,4 MPa (64 bar)	Handle	30101144
G1/2"	6,4 MPa (64 bar)	Handle	30101123
G3/4"	4,0 MPa (40 bar)	L-drilled, 3 ways	30101069
G1/4" (f) - G1/4" (m)	2,5 MPa (25 bar)	Needle valve	28513



28513

Tanks for oil

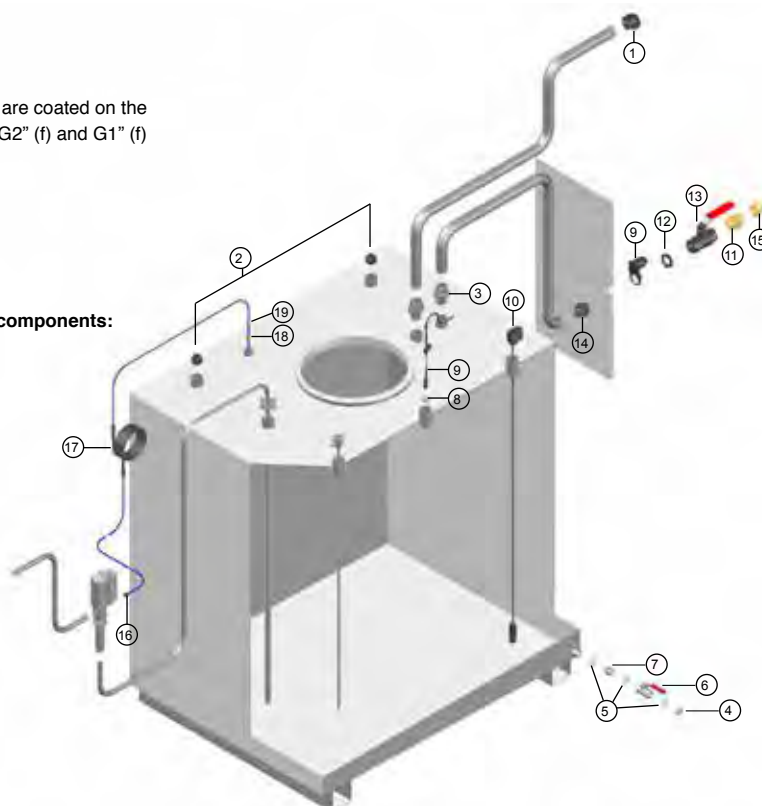
Manufactured in sheet steel in accordance with Swedish standards. The tanks are coated on the outside and untreated on the inside. The upper part is provided with manhole, G2" (f) and G1" (f) threaded connections and a G1 1/2" connection for the lever sensor.

The tank can also be ordered for outdoor purposes.

Order by specifying H x W x D (Total height = H + 225 mm)

Installation kit (99414) for fresh oil tank is composed by the below listed components:

Pos.	Description	Part no.	Qty
1	Ventilation cap	28194	1
2	Plug G2"	9320119	2
3	Union fitting G2"	9320104	2
4	Plug G1"	25101498	1
5	Rubber/steel washer G1"	10103517	3
6	Shut-off valve 1"	30101081	1
7	Fitting steel G1"-G1"	25102011	1
8	Bushing G1"-G1/2"	25201243	1
9	Overfilling protection	23163	1
10	Level gauge	2345475	1
11	Fitting G2"	9320106	1
12	Nut G2"	9320105	1
13	Shut-off valve G2"	30101102	1
14	Fitting G2"	25201219	1
15	Filling connection G2"	28197	1
16	Bushing G1/4"-G1/8"	25101819	1
17	Hose from pressure relief valve	480013M	1
18	Bushing G1"-G3/4"	25201273	1
19	Bushing G3/4"-G1/4"	25201297	1



Installation kit for waste oil (99415) and other fluids (99416) see next page.

Our tanks are not stocked items, only delivered against order

Complete connection kits for tanks

Connection kit for fresh oil tank including the following: level gauge, overfilling protection, union fittings, filling connection for trucks, ventilation cap for venting, plugs on the extra connection points, valve with plug for drainage in the bottom of the tank and a hose with adaptors for the pressure relief protection of the pump.

Connection kit for waste oil tank including the following: level gauge, union fittings, emptying connection for trucks, ventilation cap for venting, plugs on the extra connection points and valve with plug for drainage in the bottom of the tank.

Connection kit for waste liquid tank including the following: level gauge, union fittings, emptying connection for trucks, ventilation cap for venting, plugs on the extra connection points and valve with plug for drainage in the bottom of the tank.

Accessories for tanks

Ventilation cap in aluminum 1800, connection thread G2" (f)

Ventilation cap in aluminum 900, connection thread G2" (f)

Filling connector in brass, straight

Filling connector in brass, 300

Level gauge for tanks, max height of tank 2,5 m, connection thread G1 1/2" (m)

Level gauge for tanks, max height of tank 3 m, connection thread G1 1/2" (m), can be mounted beside the tank, connected by means of a hose (10 m included), scale in l or %.

Plug in steel, connection thread G1/2" (m)

Plug in steel, connection thread G3/4" (m)

Plug in steel, connection thread G1" (m)

Plug in steel, connection thread G2" (m)

Filling cabinet

The cabinet is made in stainless steel sheet for wall mounting. The door is sealed to prevent water or other contamination entering the cabinet. The cabinet is manufactured to withstand outdoor environment.

Description

Lockable filling cabinet made in stainless steel sheet.

Dimensions (L x W x D) 800 x 600 x 300 mm, excluding filling connectors.

Cabinets are available in other dimensions!

Part No

99414

99415

99416

28194

28195

28196

28197

2345475

29126

25101519

25101495

25101498

9320119

28194



2345475



28197



29126



24104

Notes:

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



14 Sorbents

Sorbents for Oil Only	154
Universal Sorbents	155
Spill Rugs	156

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

Part No



OPW75
OPW70

Rolls

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

Description	Size	Quantity	Absorbency*
High weight	41 cm	46 m/roll	120
High weight	81 cm	46 m/roll	240

OPW914
OPW90



Mini Booms

Filled with 100% polypropylene for cost effectiveness. Flexible - can thereby be shaped around leaky machinery or drums. Available in different sizes. Can also be used during clean up of smaller oil spills on water. Ideal for use in order to surround and contain liquids during a land spill. Absorbs petroleum based liquids and repels water.

Description	Size	Quantity	Absorbency*
Mini boom	Ø 7,6 x 122 cm	15/package	85
Mini boom	Ø 7,6 x 305 cm	6/package	84
Mini boom	Ø 13 x 300 cm	4/package	135

OSW30
OSW37
OSW54S



Drum Tops

Already have pre-cut holes in order to perfectly fit on 200 liter drums. Prevents drum top leaks from reaching the floor, thus preventing slippery floors. Absorbs petroleum based liquids and repels water.

Only for oil and other petroleum based products.

Description	Size	Quantity	Absorbency *
Drum Tops for 200 litres drums	Ø 56 cm	25/box	50

OSW76



* Absorbency in litres/packaging

Sorbents for Oil and Water

Absorbs and retains oil, water, solvents, coolants, etc. Available in various weights. Keeps floors clean and dry. Place under and around machinery, use to line shelves, and for clean-up applications. Use as a rag for quick wipe-ups. Dimple bonded for strength. Center perforated for a customized fit.

Pads

Description	Size	Quantity	Absorbency*
High weight	41 x 46 cm	100/box	108
Light weight	41 x 46 cm	200/box	133

Part No

 UBG75
 UBG70


Rolls

Description	Size	Quantity	Absorbency*
High weight	41 cm	46 m/roll	120
High weight	81 cm	46 m/roll	240

 UPG914
 UPG90


Sorbents for Universal Use

Absorbs most industrial liquids (oil-based as well as water-based). One-sided spunbond gives added strength. Spunbond material allows for high abrasion resistance when used in high traffic areas. All rolls are perforated down center as well as across the width thus minimizing waste. Packed in a sturdy box for easy handling. Dimples add strength. Rolls are static resistant, giving greater safety when handling flammable liquids.

Pads

Description	Size	Quantity	Absorbency*
High weight	41 x 46 cm	100/package	120

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.

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	Ø 56 cm	25/box	50

USG76



* Absorbency in litres/package

Spill Rugs

Spill Rug

Absorbs 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	80

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	352

M151



* Absorbency in litres/packaging

Notes:

Area with horizontal dotted lines for notes.

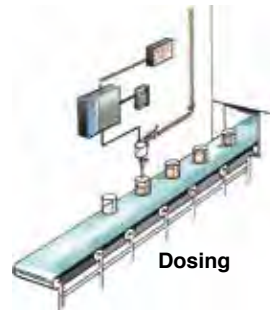
Industry



Distribution Equipment



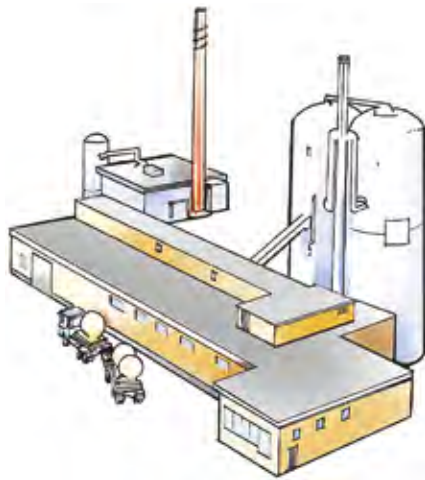
Pumping



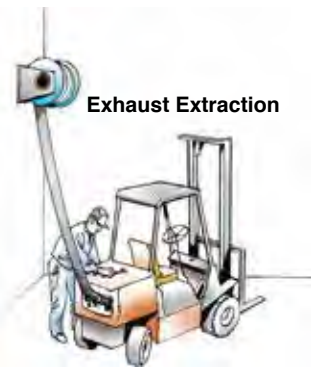
Dosing



Hose Reels



Accessories



Exhaust Extraction



Smoke Extraction

Mobile Units



Complete Solutions

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