

CE



MADE IN ITALY



DESIGN



PRODUCTION



INSTALLATION



ASSISTANCE



**Production of
Lubrication Equipment
and Fluid Monitoring
Systems**

**GENERAL
CATALOGUE 15**



INTERNATIONAL REGISTRATION
no. 704835

MADE IN ITALY

40
SINCE 1974

EXPERIENCE,
QUALITY
AND PROFESSIONALISM
SINCE 1974

THE EVOLUTION OF OUR PRODUCTION



1982



1985



1986



1987



1988



1991



1992



1999



2002



2004



2008



2011



2010



2010



2013



2015



FLEXBIMEC was founded in 1974 as a manufacturer of hydraulic components. The knowledge acquired in that field enabled the company to specialize itself in the production of dispensing systems for lubricants, developing over the years a broad range of lubrication equipment.

The first product manufactured by Flexbimec was the pneumatic pump which very quickly became well – known for its easy handling and for its reliability.

And so the company's focus still is the production of high quality pumps which nowadays are present worldwide, even in the most specialized markets.

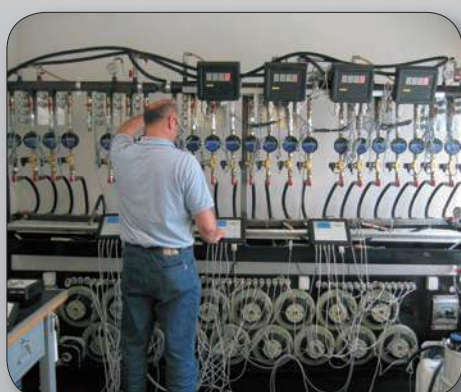
Thanks to a continuous and careful technical development, Flexbimec is able to offer a range of reliable and market – oriented products for the supply and the monitoring of lubricants.

The FLEXBIMEC product range includes:

- Grease supply equipment;
- Oil supply and electronic, computer – based oil monitoring equipment;
- Diesel supply and electronic, computer – based diesel monitoring equipment;
- Compressed air supply and washing equipment;
- Equipment for the mixing and dosing of fluids;
- Equipment for the collection, handling and storage of waste fluids, particularly of waste oils;

Flexbimec equipment is used in various applications such as in car, motorbike and commercial vehicle workshops, for industrial and agricultural machinery maintenance, in car wash sites, or in boat and ship maintenance.

Besides of manufacturing the products, FLEXBIMEC is also projecting, installing and maintaining **turnkey facilities** for the handling and monitoring of lubricants in





car, motorbike and commercial vehicle workshops. Until now Flexbimec has done more than 500 of those lubrication facilities based on the individual requirements of its customers.

The products are distributed through a worldwide network of dealers with a continuously growing export rate.

In 2006 Flexbimec has started a process of logistical restructuring and internal expansion in its plant which is situated on a total surface of 63.000 m² with a covered area of approx. 7.000 m² dedicated to the R & D and to the production. Also there are special areas for technical training, showroom and the testing of new products included.

Flexbimec has a modern organization with a quality assurance system according to **UNI EN ISO 9001:2008**.

Service and consulting are other strong arguments of the company: the customer is continuously accompanied by technically qualified staff in order to identify each of his requirements and to offer satisfying solutions to him.

Flexbimec has issued this new catalogue as a guide for your requirements regarding lubrication equipment, starting from the most simple accessory up to complete, computerized fluid monitoring systems.

Our company is sure that the variety of the innovative product range which has been developed by a continuous research of the user requirements, will help you to select and to install the equipment most suitable to simplify your daily work.



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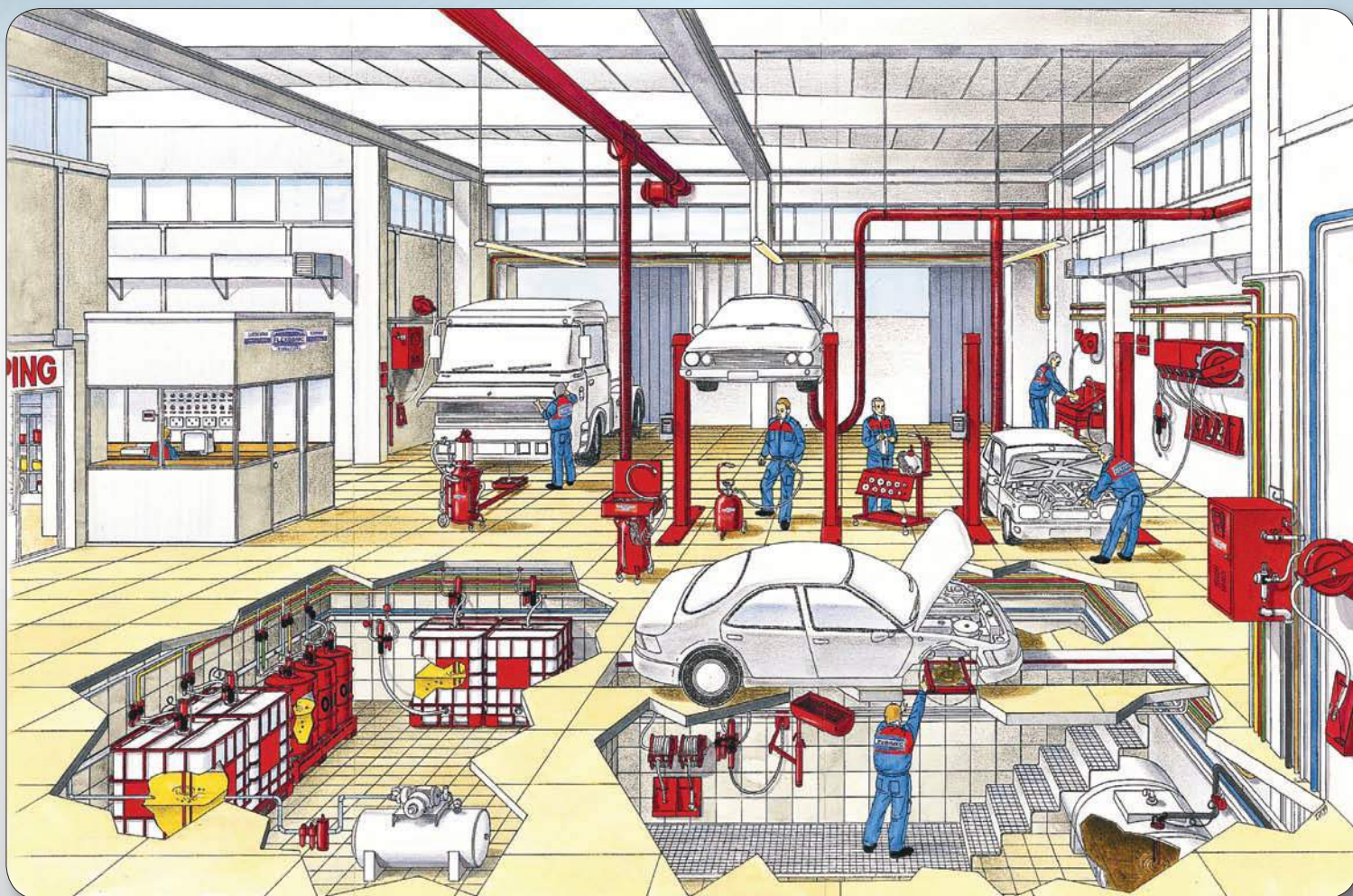
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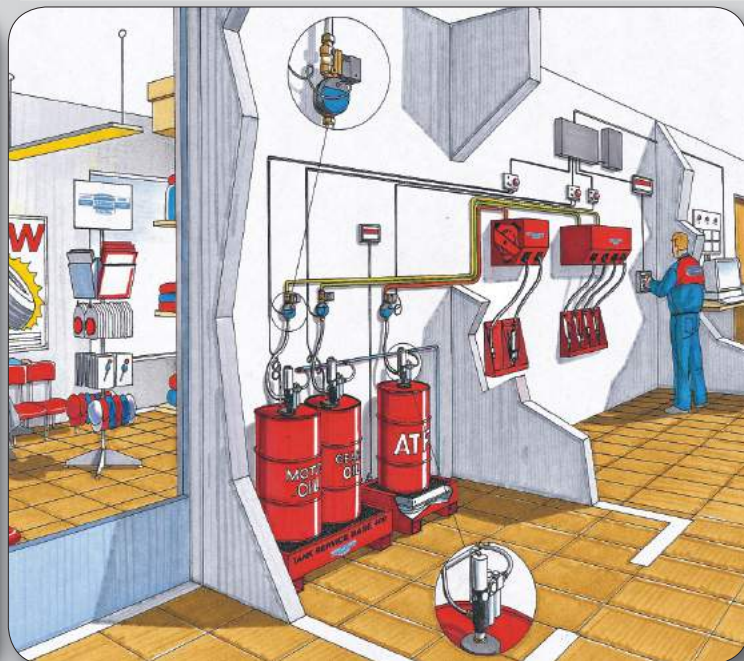
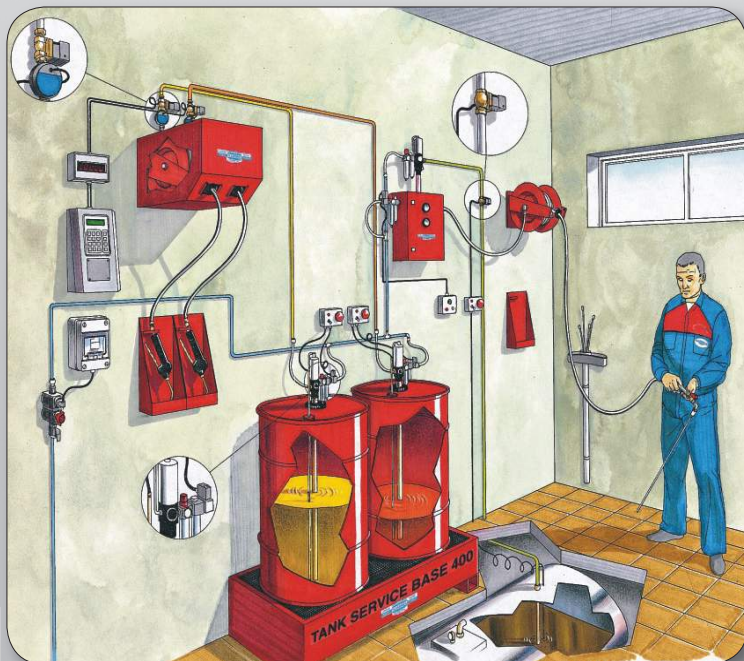


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FLEXBIMEC TECHNOLOGY AND EXPERIENCE FOR YOUR NEEDS



YOUR SPECIALISTS IN LUBRICATION EQUIPMENT



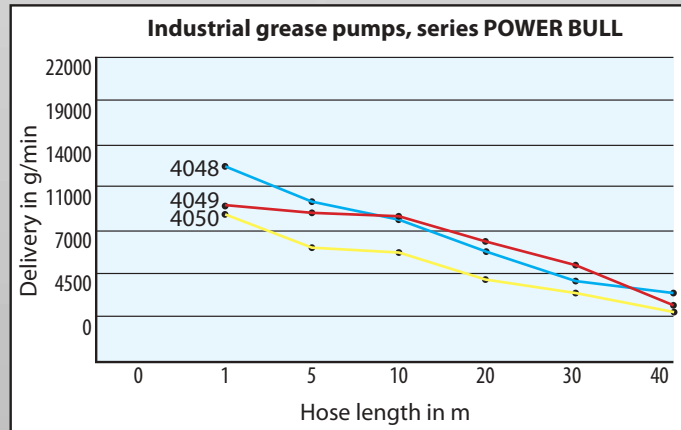
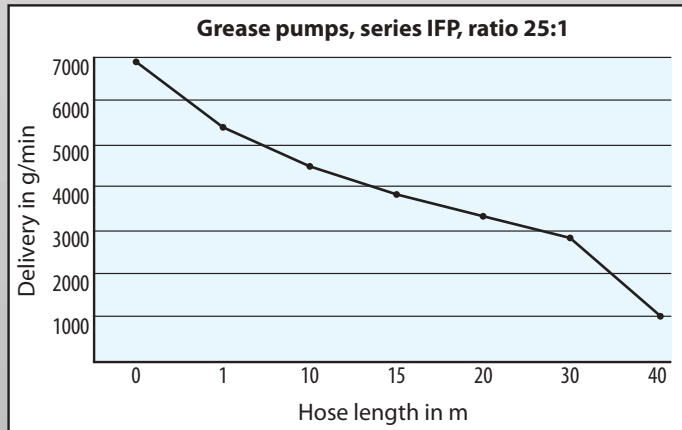
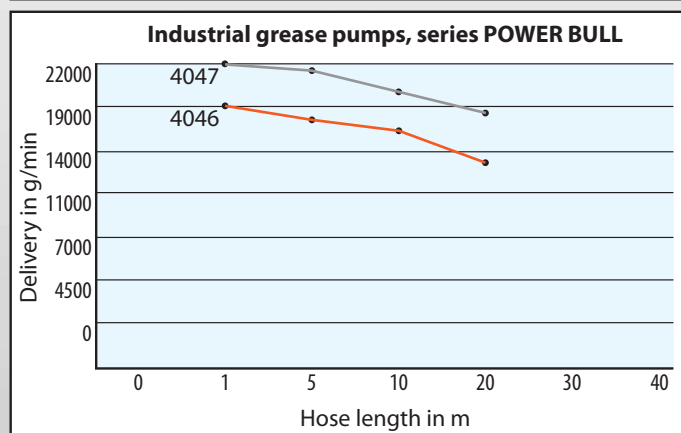
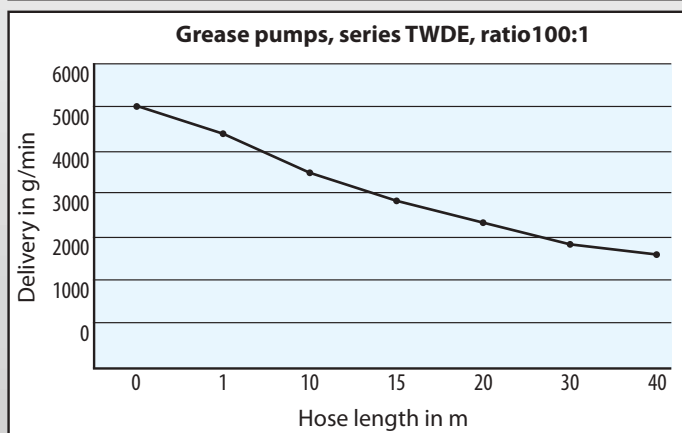
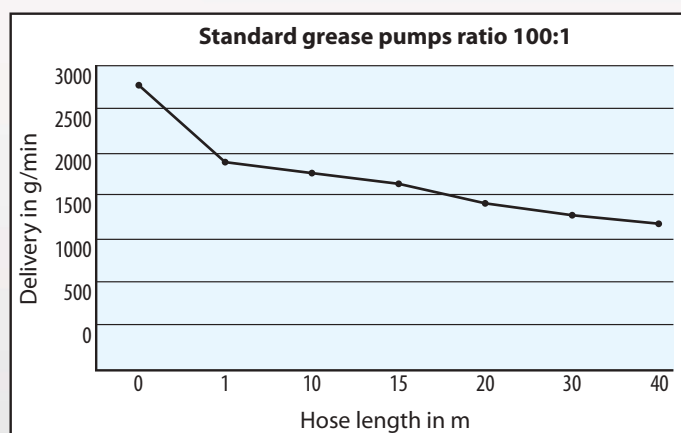
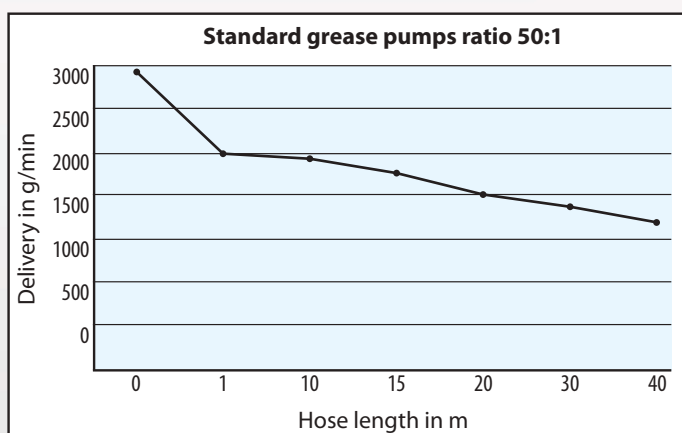
FLEXBIMEC pneumatic grease pumps are a well - proven product line since many years. The brass and aluminum alloy pneumatic motor assures a reliable use and a simple maintenance. The pumping system includes a rod in hardened steel, suitable also for heavy duty applications. The gaskets and seals are suitable for the use with almost all multipurpose greases on the basis of mineral oil from viscosity NLGI 00 up to NLGI 3.

The choice of the suitable pump for the individual application depends a lot on the type and the characteristics of the lubricant that shall be pumped.

Pumping grease means to move a high viscosity fluid which at the dispensing point presents a dense condition.

The **VISCOSITY** of a fluid describes its capability to resist the movements of its particles.

The **COMPRESSION RATIO** describes the ratio between the surface of the piston inside of the pump motor and the surface of the piston that is pumping the fluid. The bigger this value is, the higher is the outlet pressure of the fluid. Since greases are mixtures of mineral oils and soaps (dense, inorganic substances) and therefore have a high viscosity, it is necessary to use pumps for the dispensing that have a high compression ratio such as 50:1 – or 100:1 – pumps.



The charts are only indications and cannot consider all factors affecting the pumping result such as viscosity, temperature, dimension of hose or pipe, pumping distance, etc.

Test conditions:

lithium grease NLGI 0 – ambient temperature 22°C - inlet pressure (compressed air) 8 bar – Free 1/2" for 50:1 and 100:1 - pumps, standard series, 1" for pump series Power Bull and TWDE

Pneumatic pumps for the dispensing of grease at short and medium distances or for high pressure lubrication.

50:1 Compression ratio

Max outlet pressure **400 bar**



For **16 kg** – pails

Art. no. **4018**

Max outlet pressure **400 bar**



For **18/25 kg** – pails

Art. no. **4020**

Max outlet pressure **400 bar**



For **50 kg** – drums

Art. no. **4060**

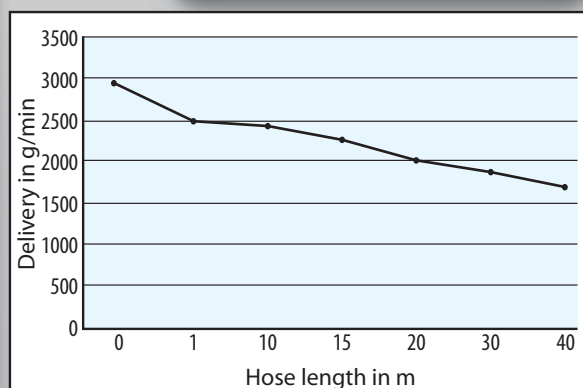
Max outlet pressure **400 bar**



For **180 kg** – drums

Art. no. **4080**

Art. no.	4018	4020	4060	4080
Compressed air supply	Pressure min 2 bar, max 8 bar			
Compression ratio	50:1	50:1	50:1	50:1
Outlet pressure	400 bar	400 bar	400 bar	400 bar
Delivery	2900 g/min	2900 g/min	2900 g/min	2900 g/min
Connection compressed air	1/4" BSP (F)	1/4" BSP (F)	1/4" BSP (F)	1/4" BSP (F)
Connection lubricant outlet	1/4" BSP (M)	1/4" BSP (M)	1/4" BSP (M)	1/4" BSP (M)
Max air consumption with 8 bar pressure	78 l/min	78 l/min	78 l/min	78 l/min
Length suction tube	335 mm	450 mm	750 mm	950 mm
Diameter suction tube	28 mm	28 mm	28 mm	28 mm
Dimensions LxWxH (mm)	95x95x690	95x95x780	95x95x1005	95x95x1250
Suitable for pails / drums of	16 kg	18 - 25 kg	50 kg	180 kg
Weight	3,8 kg	4,2 kg	5 kg	5,6 kg



See accessories on pages 30 – 37!

The a. m. performance values are based upon the following test conditions:
lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet 1/2".

Pneumatic pumps for the dispensing of grease at long distances or for high pressure lubrication.

100:1 Compression ratio

Max outlet pressure **800 bar**



For **16 kg** – pails

Art. no. **4019**

Max outlet pressure **800 bar**



For **18/25 kg** – pails

Art. no. **4021**

Max outlet pressure **800 bar**



For **50 kg** – drums

Art. no. **4061**

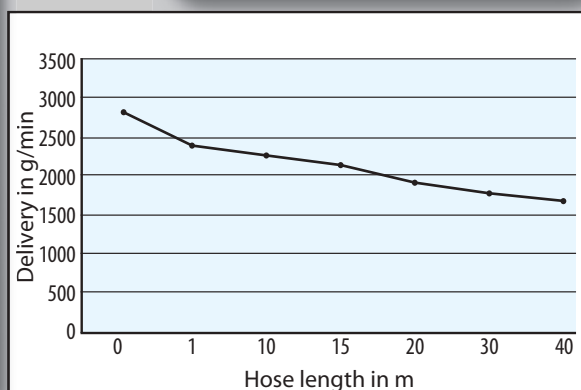
Max outlet pressure **800 bar**



For **180 kg** – drums

Art. no. **4081**

Art. no.	4019	4021	4061	4081
Compressed air supply	Pressure min 2 bar, max 8 bar			
Compression ratio	100:1	100:1	100:1	100:1
Outlet pressure	800 bar	800 bar	800 bar	800 bar
Delivery	2700 g/min	2700 g/min	2700 g/min	2700 g/min
Connection compressed air	1/4" BSP (F)	1/4" BSP (F)	1/4" BSP (F)	1/4" BSP (F)
Connection lubricant outlet	1/4" BSP (M)	1/4" BSP (M)	1/4" BSP (M)	1/4" BSP (M)
Max air consumption with 8 bar pressure	110 l/min	110 l/min	110 l/min	110 l/min
Length suction tube	335 mm	450 mm	750 mm	950 mm
Diameter suction tube	28 mm	28 mm	28 mm	28 mm
Dimensions LxWxH (mm)	95x95x690	95x95x780	95x95x1005	95x95x1250
Suitable for pails / drums of	16 kg	18 - 25 kg	50 kg	180 kg
Weight	3,8 kg	4,2 kg	5 kg	5,6 kg



See accessories on pages 30 – 37!

The a. m. performance values are based upon the following test conditions:

lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet 1/2".

Pneumatic pumps for the transfer of grease or high viscosity oils at a constant pressure. Suitable also for the use as grease refilling pumps for centralized lubrication systems.

25:1

Compression ratio

 Max outlet pressure **200 bar**

 Max delivery **7 kg/min**
25:1

 For **18/25 kg** – pails

 Art. no. **4022**
25:1

 Max outlet pressure **200 bar**

 Max delivery **7 kg/min**

 For **50 kg** – drums

 Art. no. **4062**
25:1

 Max outlet pressure **200 bar**

 Max delivery **7 kg/min**

 For **180 kg** – drums

 Art. no. **4082**
7:1

Compression ratio

 Max outlet pressure **56 bar**

 Max delivery **9,8 kg/min**
7:1

 For **180 kg** – drums

 Art. no. **4043**
45:1

Compression ratio

 Max outlet pressure **360 bar**

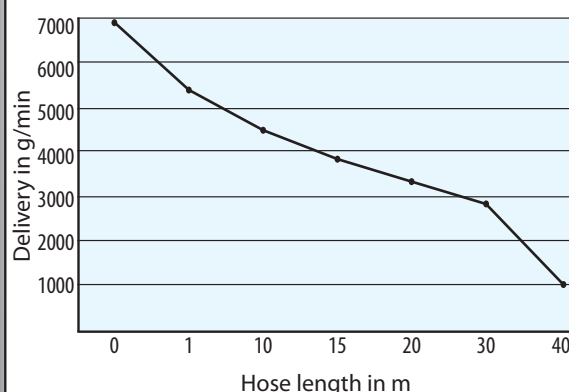
 Max delivery **6,9 kg/min**
45:1

 For **180 kg** – drums

 Art. no. **4083**

Art. no.	4043	4022	4062	4082	4083
Compressed air supply	Pressure min 2 bar, max 8 bar				
Compression ratio	7:1	25:1	25:1	25:1	45:1
Outlet pressure	56 bar	200 bar	200 bar	200 bar	360 bar
Delivery	9800 g/min	7000 g/min	7000 g/min	7000 g/min	6900 g/min
Connection compressed air	3/8" BSP (F)	1/4" BSP (F)	1/4" BSP (F)	1/4" BSP (F)	1/4" BSP (F)
Connection lubricant outlet	3/4" BSP (M)	1/2" BSP (M)	1/2" BSP (M)	1/2" BSP (M)	1/2" BSP (M)
Max air consumption with 8 bar pressure	165 l/min	78 l/min	78 l/min	78 l/min	78 l/min
Length suction tube	950 mm	450 mm	750 mm	950 mm	950 mm
Diameter suction tube	33 mm	28 mm	28 mm	28 mm	28 mm
Dimensions LxWxH (mm)	95x95x1250	95x95x690	95x95x780	95x95x1005	95x95x1250
Suitable for pails / drums of	180 kg	18 - 25 kg	50 kg	180 kg	180 kg
Weight	6 kg	4,2 kg	5 kg	5,6 kg	5,8 kg

Grease pumps, series IFP, compression ratio 25:1



See accessories on pages 30 – 37!

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C -- Compressed air pressure 8 bar -- free flow outlet 3/4".

Pneumatic pumps for the dispensing of grease – particularly high viscosity grease - or for high pressure lubrication at long distances. These pumps combine a high compression ratio with an innovative constructional concept that permits to increase the delivery of the pump considerably.

In the TWD Evolution series the escape of compressed air is facilitated by the use of a double distributor which at the same time reduces the formation of condensation water inside of the pump motor.

100:1 Compression ratio

Max outlet pressure **800 bar**



For **16 kg** – pails

Art. no. **4019TWDE**

Max outlet pressure **800 bar**



For **18/25 kg** – pails

Art. no. **4021TWDE**

Max outlet pressure **800 bar**



For **50 kg** – drums

Art. no. **4061TWDE**

Max outlet pressure **800 bar**

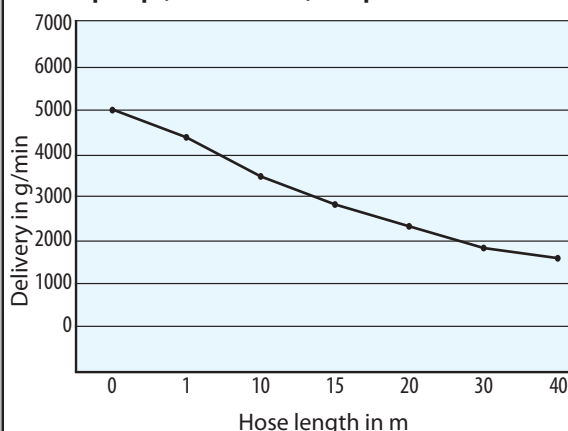


For **180 kg** – drums

Art. no. **4081TWDE**

Art. no.	4019 TWDE	4021TWDE	4061TWDE	4081TWDE
Compressed air supply	Pressure min 2 bar, max 8 bar			
Compression ratio	100:1	100:1	100:1	100:1
Outlet pressure	800 bar	800 bar	800 bar	800 bar
Delivery	5000 g/min	5000 g/min	5000 g/min	5000 g/min
Connection compressed air	3/8" BSP (F)	3/8" BSP (F)	3/8" BSP (F)	3/8" BSP (F)
Connection lubricant outlet	1/2" BSP (M)	1/2" BSP (M)	1/2" BSP (M)	1/2" BSP (M)
Max air consumption with 8 bar pressure	165 l/min	165 l/min	165 l/min	165 l/min
Length suction tube	335 mm	450 mm	750 mm	950 mm
Diameter suction tube	28 mm	28 mm	28 mm	28 mm
Dimensions LxWxH (mm)	95x95x690	95x95x780	95x95x1005	95x95x1250
Suitable for pails / drums of	16 kg	18 - 25 kg	50 kg	180 kg
Weight	3,9 kg	4,3 kg	5,1 kg	5,7 kg

Grease pumps, series TWDE, compression ratio 100:1



See accessories on pages 30 – 37!

The a. m. performance values are based upon the following test conditions: lithium grease NLGI 0 at 22°C – Compressed air pressure 8 bar – free flow outlet 1/2".



PNEUMATIC PISTON GREASE PUMPS INDUSTRIAL PUMP SERIES "POWER BULL"

Heavy duty pneumatic pumps, industrial pump series "Power Bull", designed for the supply of grease under demanding conditions. Particularly suitable for the grease distribution in pipeworks and installations where a simultaneous supply of grease is required on different dispensing points at high pressure and/or with a high delivery.

The high quality of the materials used in order to realize the innovative constructional concept of the pneumatic motors of this series, guarantees the following characteristics and advantages:

- Efficiency of a continuous flow,
- Low loudness,
- Limited number of piston strokes,
- Low vibrations,
- Easy handling and interchangeability of components,
- System of condensation water draining, to avoid the pulverization into the surrounding area,
- Wide variety of accessories.

The pumps are available in various models with different compression ratios and delivery performances so that they offer a solution for all principal requirements in applications.



Art. no. 4046	Grease type NLGI				
m	0	1	2	3	Pressure
1	19,00	18,00	18,00	18,00	104 bar
5	18,00	16,00	13,20	11,00	96 bar
10	17,50	14,90	12,60	9,10	70 bar
20	13,80	11,10	7,60	6,90	49 bar

Art. no. 4047	Grease type NLGI				
m	0	1	2	3	Pressure
1	22,00	21,00	21,00	21,00	56 bar
5	21,50	20,00	16,90	14,20	38 bar
10	20,00	18,40	15,00	12,10	20 bar
20	18,60	17,00	10,20	7,40	14 bar

Art. no. 4048	Grease type NLGI				
m	0	1	2	3	Pressure
1	15,00	12,70	11,60	9,30	240 bar
5	14,60	10,30	8,50	5,30	200 bar
10	10,50	8,00	6,20	3,80	165 bar
20	8,60	5,20	4,10	3,10	140 bar
30	6,50	4,40	3,80	2,20	130 bar
40	5,30	4,10	3,40	1,70	110 bar
50	4,20	3,80	6,00	0,80	85 bar
70	3,00	2,50	1,80	0,30	60 bar

Art. no. 4049	Grease type NLGI				
m	0	1	2	3	Pressure
1	13,10	9,60	8,60	7,80	400 bar
5	12,90	9,00	7,90	5,60	360 bar
10	12,20	8,20	6,70	4,00	240 bar
20	10,60	6,40	4,80	2,30	220 bar
30	8,80	4,70	3,10	2,10	180 bar
40	8,00	3,20	2,50	1,70	150 bar
50	7,60	2,80	2,20	1,40	110 bar
70	7,20	2,50	1,90	0,90	85 bar

Art. no. 4050	Grease type NLGI				
m	0	1	2	3	Pressure
1	7,00	6,30	5,70	5,10	720 bar
5	6,80	5,80	5,20	4,10	680 bar
10	6,40	5,30	4,70	3,50	420 bar
20	5,90	4,30	3,50	2,10	400 bar
30	4,80	3,30	2,90	1,90	370 bar
40	4,50	2,90	2,50	1,70	340 bar
50	4,30	2,60	2,20	1,60	250 bar
70	4,00	2,20	2,10	1,30	180 bar

Grease type NLGI 0

		Art. no. Pump				
Hose length	m	4046	4047	4048	4049	4050
	1	19,00	22,00	15,00	13,00	7,00
	5	18,00	21,50	14,60	12,50	6,80
	10	17,50	20,00	10,50	11,60	6,40
	20	13,80	18,60	8,60	10,00	5,90
	30			6,50	8,60	4,80
	40			5,30	6,00	4,50
	50			4,20	5,40	4,30
	70			3,00	4,00	4,00

Grease type NLGI 2

		Art. no. Pump				
Hose length	m	4046	4047	4048	4049	4050
	1	18,00	21,00	11,60	8,60	5,70
	5	13,20	16,90	8,50	7,90	5,20
	10	12,60	15,00	6,20	6,70	4,70
	20	7,60	10,20	4,10	4,80	3,50
	30			3,80	3,10	2,90
	40			3,40	2,50	2,50
	50			6,00	2,20	2,20
	70			2,00	1,90	2,10

The a. m. performance values refer to the pump delivery expressed in kg/min

Grease type NLGI 1

		Art. no. Pump				
Hose length	m	4046	4047	4048	4049	4050
	1	18,00	21,00	12,70	9,60	6,30
	5	16,00	20,00	10,30	9,00	5,80
	10	14,90	18,40	8,00	8,20	5,30
	20	11,10	17,00	5,20	6,40	4,30
	30			4,40	4,70	3,30
	40			4,10	3,20	2,90
	50			3,80	2,80	2,60
	70			1,80	2,50	2,20

Grease type NLGI 3

		Art. no. Pump				
Hose length	m	4046	4047	4048	4049	4050
	1	18,00	21,00	9,30	7,80	5,10
	5	11,00	14,20	5,30	5,60	4,10
	10	9,10	12,10	3,80	4,00	3,50
	20	6,90	7,40	3,10	2,30	2,10
	30			2,20	2,10	1,90
	40			1,70	1,70	1,70
	50			0,80	1,40	1,60
	70			0,30	0,90	1,30

The a. m. performance values are based upon the following test conditions:
Compressed air pressure 8 bar
- temperature 24°C - rubber outlet hose \varnothing 1" for the art. nos. 4048 - 4049 - 4050 and rubber outlet hose \varnothing 1 1/2" for the art. nos. 4046 and 4047.

Delivery **19 kg/min**

Max outlet pressure **100 bar**



Art. no. **4046**

Delivery **22 kg/min**

Max outlet pressure **56 bar**



Art. no. **4047**

Delivery **15 kg/min**

Max outlet pressure **240 bar**



Art. no. **4048**

Delivery **12 kg/min**

Max outlet pressure **400 bar**



Art. no. **4049**

Delivery **6 kg/min**

Max outlet pressure **720 bar**



Art. no. **4050**

Art. no.	4046	4047	4048	4049	4050
Compressed air supply	Pressure min 2 bar, max 8 bar				
Compression ratio	13 : 1	7 : 1	30 : 1	50 : 1	90 : 1
Max outlet pressure	104 bar	56 bar	240 bar	400 bar	720 bar
Delivery	19000 g/min	22000 g/min	15000 g/min	12000 g/min	6000 g/min
Max frequency strokes/min	60	120	150	120	60
Connection compressed air	1/2" BSP (F)	1/2" BSP (F)	1/2" BSP (F)	1/2" BSP (F)	1/2" BSP (F)
Connection lubricant outlet	1" BSP (M)	1" BSP (M)	1" BSP (M)	1" BSP (M)	1" BSP (M)
Max air consumption with 8 bar pressure	1,80 m ³ /min	1,92 m ³ /min	1,86 m ³ /min	1,92 m ³ /min	1,80 m ³ /min
Diameter pneumatic piston	160 mm	125 mm	100 mm	125 mm	160 mm
Diameter suction tube	70x50 mm	70x50 mm	50x22 mm	50x22 mm	50x22 mm
Suitable for pails / drums of	180 kg	180 kg	180 kg	180 kg	180 kg
Weight	26 kg	22 kg	18 kg	22 kg	24 kg



Art. no. **7180/12** Art. no. **7150/12**

Maintenance advise

In order to avoid a slowing-down or even a blocking of the pump due to a freezing of generated condensation water closing the air outlet of the motor, we recommend the installation of the above shown air treatment units at the compressed air connection of the pump.

See accessories on pages 30 - 37!

MOTOMATIC® System Patent no. 32188 C/80

In the year 1986 the innovative MOTOMATIC® – system has been developed and patented. Motomatic® is a pneumatic pumping system which is characterized by the use of a single motor which can be applied on various suction tubes. The pumping system is activated by connecting the motor – which is provided with a quick coupling - to the installed suction tubes that differ depending on the lubricant that shall be pumped.

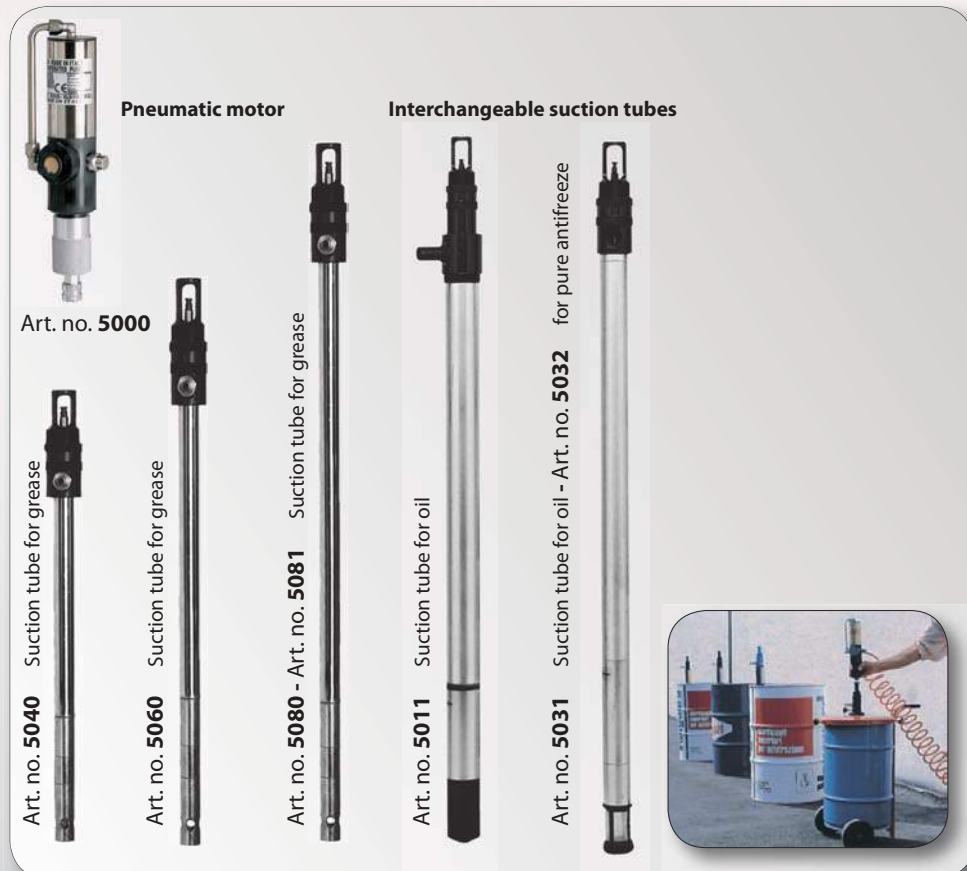
This solution offers a significant practical and economical advantage for whom must pump greases, oils, antifreeze or diesel, since it allows the user to leave the various suction tubes installed in the drums and to use the same pneumatic motor for pumping the required lubricant.

Art. no. **4025**

High pressure pneumatic pump for grease and oil. The pump has been particularly developed for checking eventually existing leakages in hydraulic circuits or in test benches.

Technical data:

- Compressed air supply: min 2 bar - max 5 bar
- Air connection: 3/8" BSP (F)
- Pressure max 1100 bar
- Delivery: 800 g/min
- Connection lubricant outlet: 1/4" BSP (M)
- Length suction tube: 450 mm



250:1 Compression ratio



Art. no.	5000	5040	5060	5081	5080	5011	5031	5032
Compressed air supply	Pressure min 2 bar, max 8 bar							
Compression ratio	-	50 : 1	50 : 1	15 : 1	50 : 1	1 : 1	3 : 1	3 : 1
Outlet pressure	-	400 bar	400 bar	120 bar	400 bar	8 bar	24 bar	24 bar
Delivery	-	2900 g/min	2900 g/min	7000 g/min	2900 g/min	48 l/min	23 l/min	23 l/min
Connection compressed air	1/4" BSP (F)	-	-	-	-	-	-	-
Connection lubricant outlet	-	1/4" BSP (M)	1/4" BSP (M)	1/2" BSP (M)	1/4" BSP (M)	3/4" BSP (M)	1/2" BSP (M)	1/2" BSP (M)
Max air consumption with 8 bar pressure	115 l/min	-	-	-	-	-	-	-
Length suction tube	-	450 mm	750 mm	950 mm	950 mm	950 mm	950 mm	950 mm
Diameter suction tube	-	28 mm	28 mm	28 mm	28 mm	55 mm	40 mm	40 mm
Dimensions LxWxH (mm)	95x95x420	30x31x550	30x31x850	30x31x1050	30x31x1050	30x31x1050	30x31x1050	30x31x1050
Suitable for pails / drums of	-	20 kg	50 kg	180 kg	180 kg	208 l	208 l	208 l
Weight	3,5 kg	1 kg	1,3 kg	1,5 kg	1,5 kg	2,1 kg	1,9 kg	1,9 kg

See accessories on pages 30 – 37!

The a. m. performance values are based upon the following test conditions:

lithium grease NLGI 0 and hydraulic oil ISO 32 at 22°C -- Compressed air pressure 8 bar -- free flow outlet.

Complete pneumatic grease supply kit, suitable for any kind of inside or outside use. Max pressure achievable: 400 bar.

Art. no. 4922

Portable and mobile pneumatic grease supply kit with 16 kg – steel pail, consisting of:

- Pneumatic grease pump, art. no. 4018;
- Pressure regulator, art. no. 7200;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 4503;
- High pressure grease control gun, with 300 mm – steel braid outlet hose
ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 4205;
- High pressure Z – swivel, art. no. 4221;
- Follower plate ø 230 mm;
- Steel pail with 2 wheels and carrying handle.



Art. no. 4922

Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
4922	400 bar	2400 g/min	1/4" BSP (F)	2-8 bar	11 kg	240x390x930



Art. no. 4921

Portable pneumatic grease supply kit for 18/25 kg - pails, consisting of:

- Pneumatic grease pump, art. no. 4020
- Pressure regulator, art. no. 7200
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 4503
- High pressure grease control gun, 300 mm – steel braid outlet hose ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 4205
- High pressure Z – swivel, art.no. 4221
- Follower plate, ø 310 - 260 mm, art. no. 4314*
- Metal drum cover, ø 330 – 290 mm, art. no. 4302*

*See accessories on page 34 for pails/drums in different dimensions!



Art. no. 4921

Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
4921	400 bar	2400 g/min	1/4" BSP (F)	2-8 bar	11 kg	240x240x890



Complete mobile pneumatic grease supply kit, suitable for 18/25 kg – pails in any kind of inside or outside use. Max pressure achievable: 400 bar.



Art. no. **4920C**

Art. no. **4920C**

Mobile pneumatic grease supply kit for 18/25 kg - pails, consisting of:

- Pneumatic grease pump, art. no. 4020;
- Pressure regulator, art. no. 7200;
- 3 m - high pressure hose SAE 100 R2 AT, 1/4", art. no. 4503;
- High pressure grease control gun, 300 mm - steel braid; outlet hose ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 4205;
- High pressure Z - swivel, art. no. 4221;
- Follower plate, ø 310 - 260 mm, art. no. 4314*;
- Metal drum cover, ø 330 - 290 mm, art. no. 4302*;
- Trolley with 2 wheels, art. no. 4350.

Art. no. **4920**

Mobile pneumatic grease supply kit such as art. no. 4920C, but without art. nos. 7200 and 4221.

*See accessories on page 34 for pails/drums in different dimensions!



OPTIONAL
Art. no. 4701

Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
4920C	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	13 kg	510x690x690



Art. no. **4920CE**

Art. no. **4920CE**

Mobile pneumatic grease supply kit such as art. no. 4920C, but with trolley art. no. 4351.

OPTIONAL

Art. no. **4701**

Metal 20 kg - pail (empty)



OPTIONAL
Art. no. 4701

Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
4920CE	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	13 kg	510x690x690



Complete mobile pneumatic grease supply kits, suitable for 50 kg – drums in any kind of inside or outside use. Max pressure achievable: 400 bar.



Art. no. 4960C

Art. no. 4960C

Mobile pneumatic grease supply kit for 50 kg - drums, consisting of:

- Pneumatic grease pump, art. no. 4060;
- Pressure regulator, art. no. 7200;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 4503;
- High pressure grease control gun, 300 mm – steel braid outlet hose ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 4205;
- High pressure Z – swivel, art. no. 4221;
- Follower plate, ø 390 - 325 mm, art. no. 4317*;
- Metal drum cover, ø 400 – 360 mm, art. no. 4305*;
- Trolley with 2 wheels, art. no. 4350

Art. no. 4960

Mobile pneumatic grease supply kit such as art. no. 4960C, but without art. nos. 7200 and 4221.



Art. no. 4950

*See accessories on page 34 for pails/ drums in different dimensions!

Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
4960C	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	15 kg	510x690x690



Art. no. 4980C

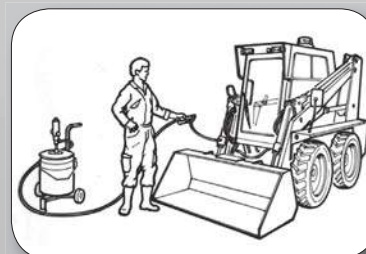
Art. no. 4980C

Mobile pneumatic grease supply kit for 50 kg - drums, consisting of:

- Pneumatic grease pump, art. no. 4060;
- Pressure regulator, art. no. 7200;
- 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 4503;
- High pressure grease control gun, 300 mm – steel braid outlet hose ø ext. 10 mm and 4 jaws - hydraulic coupler, art. no. 4205 ;
- High pressure Z – swivel, art. no. 4221;
- Follower plate, ø 390 - 325 mm, art. no. 4317*;
- Metal drum cover, ø 400 – 360 mm, art. no. 4305*;
- Trolley with 4 wheels, art. no. 4360.

Art. no. 4980

Mobile pneumatic grease supply kit such as art. no. 4980C, but without art. nos. 7200 and 4221.



*See accessories on page 34 for pails/ drums in different dimensions!

Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
4980C	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	18 kg	600x600x1050



Complete mobile pneumatic grease supply kits, suitable for 180 kg – drums in any kind of inside or outside use. Max pressure achievable: 400 bar.

Art. no. 4990C

180 kg

- Mobile pneumatic grease supply kit for 180 kg - drums, consisting of:
- Pneumatic grease pump, art. no. 4080;
 - Pressure regulator and air filter with moisture separator, art. no. 7180;
 - 3 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 4503;
 - High pressure grease control gun, 300 mm – steel braid outlet hose ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 4205;
 - High pressure Z – swivel, art. no. 4221;
 - Follower plate, ø 590 - 540 mm, art. no. 4319*;
 - Metal drum cover, ø 600 – 560 mm, art. no. 4308*;
 - Trolley with 4 wheels, art. no. 4380.

Art. no. 4990

Mobile pneumatic grease supply kit such as art. no. 4990C, but without art. nos. 7180 and 4221.

Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
4990C	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	22 kg	900x830x1400



Art. no. 4910

- Mobile pneumatic grease supply kit for 180 kg - drums, consisting of:
- Pneumatic grease pump, art. no. 4080;
 - Pressure regulator and air filter with moisture separator, art. no. 7180;
 - Open hose reel, art. no. 9016;
 - 15 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 4515;
 - 2 m – connection hose SAE 100 R2 AT, 1/4", art. no. 4502;
 - High pressure grease control gun, 300 mm – steel braid outlet hose Ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 4205;
 - Follower plate, ø 590 - 540 mm, art. no. 4319*;
 - Metal drum cover, ø 600 – 560 mm, art. no. 4308*;
 - Trolley with 4 wheels and mounting bracket for hose reel, art. no. 4380/P.



Art. no. 4338
4 wheels kit suitable also for the use on rough surfaces.

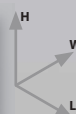
Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
4910	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	42 kg	900x870x1400



Art. no. 4911

- Mobile pneumatic grease supply kit for 180 kg - drums, consisting of:
- Pneumatic grease pump, art. no. 4080;
 - Pressure regulator and air filter with moisture separator, art. no. 7180;
 - Open hose reel, art. no. 9016;
 - 15 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 4515;
 - 2 m – connection hose SAE 100 R2 AT, 1/4", art. no. 4502;
 - High pressure grease control gun, 300 mm – steel braid outlet hose ø ext. 10 mm and 4 - jaws - hydraulic coupler, art. no. 4205;
 - High pressure Z – swivel, art. no. 4221;
 - Follower plate, ø 590 - 540 mm, art. no. 4319*;
 - Metal drum cover, ø 600 – 560 mm, art. no. 4308*;
 - Heavy duty trolley with 4 wheels and grate, art. no. 4389.

Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
4911	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	49 kg	900x1030x1400



Art. no. 4990C



Art. no. 4910



Art. no. 4911

Complete stationary pneumatic grease supply kit, suitable for 50 kg – and 180 kg – drums in any kind of inside or outside use.
Max pressure achievable: 400 bar.

50/180 kg

Art. no. **4961 - 4981**

Stationary pneumatic grease supply kits, consisting of:

	Art. no. 4961	Art. no. 4981
Pneumatic grease pump	Art. no. 4060	Art. no. 4080
Metal drum cover	Art. no. 4305 Ø 400-360 mm	Art. no. 4308 Ø 600-560 mm
High pressure hose SAE 100 R2 AT, 1/4", length 4 m	Art. no. 4504	Art. no. 4504
Follower plate	Art. no. 4317 Ø 390x325 mm	Art. no. 4319 Ø 590x540 mm
High pressure grease control gun with steel braid outlet hose Ø ext. 10 mm and 4 - jaws - hydraulic coupler	Art. no. 4205	Art. no. 4205
Pressure regulator and air filter with moisture separator	Art. no. 7180	Art. no. 7180
High pressure Z – swivel	Art. no. 4221	Art. no. 4221

Art. no.	For drums of	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight
4961	50 kg	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	14 kg
4981	180 kg	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	16 kg

Art. no. **4995**

Stationary pneumatic grease supply kit for 180 kg – drums with hose reel for wall or pillar installation, consisting of:

- Pneumatic grease pump, art. no. 4080;
- Pressure regulator and air filter with moisture separator, art. no. 7180;
- Open hose reel, art. no. 9016;
- 15 m – high pressure hose SAE 100 R2 AT, 1/4", art. no. 4515;
- 2 m – connection hose SAE 100 R2 AT, 1/4", art. no. 4502;
- High pressure grease control gun, 300 mm – steel braid outlet hose Ø ext. 10 mm and 4;
- jaws - hydraulic coupler, art. no. 4205;
- High pressure Z – swivel, art. no. 4221;
- Follower plate, Ø 590 - 540 mm, art. no. 4319*;
- Metal drum cover, Ø 600 – 560 mm, art. no. 4308*.

Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight
4995	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	36 kg

Art. no. **8558**

Stationary pneumatic grease supply kit for 180 kg – drums with hose reel, installed on a "Tank Service Base" unit. Compared to a system installed on the wall, the system which is mounted on the "Tank Service Base" unit also includes a safety pallet for the drum storage with a self-supporting structure forming a "lubrication island" that can be placed in any location of a workshop.

The composition is the same as the one of art. no. 4995, but completed by a "Tank Service Base" unit for 1 drum with the self-supporting structure consisting of 2 steel rails and 2 steel panels for the installation of the components (art. no. 8525).

Optional: Art. no. 4699 Metal 180 kg – drum (empty)

Art. no.	Max outlet pressure	Delivery	Connection compressed air	Compressed air supply	Weight	Dimensions (LxWxH) (mm)
8558	400 bar	2400 g/min	1/4" BSP (F)	2 - 8 bar	78 kg	830x880x2360



Art. no. **4961**
Art. no. **4981**



Art. no. **4995**



OPTIONAL
Art. no. 4699

Art. no. **8558**



Art. no. 4999

Mobile extrusion unit for grease with a 4 - wheels base, a pump lifting device and a grease compacting system that works based on a pneumatic circuit which is activated by a control valve.

This unit is used when the grease has a high degree of viscosity or is very dense due to low temperature and therefore is difficult to pump. The kit includes also a pneumatic 50:1 – grease pump of the standard series. Versions for pails and drums available.



Art. no. 4999



Art. no.	4999/30	4999/60	4999/200
Pump models	4020	4060	4080
Compression ratio	50:1		
Max outlet pressure	400 bar		
Pressure pneumatic circuit	1 – 3 bar		
Pressure performance compacting system	1 bar = 50 kg pressure		
Suitable for drums of	18 kg	50 kg	180 kg
Dimensions (LxWxH) (mm)	1090x630x1750	1090x630x1750	1090x630x1750
Weight	85 kg	110 kg	170 kg



Art. no.
4999/200INP



Art. no. 4999/200INP

Stationary extrusion unit for grease with bedplate, consisting of a special pump lifting device suitable for pneumatic grease pumps, series "Power Bull", and a grease compacting system that works based on a pneumatic circuit which is activated by a control valve. This unit is used when the grease has a high degree of viscosity or is very dense due to low temperature and therefore is difficult to pump. For the use with grease pump Art. no.s art. nos. 4046 – 4047 – 4048 – 4049 – 4050. The kit does not include the pneumatic grease pump. Suitable for the use with 180 kg – drums.

Art. no.	4999/200INP
Pressure pneumatic circuit	1 – 3 bar
Pressure performance compacting system	1 bar = 50 kg pressure
Suitable for drums of	180 kg
Dimensions (LxWxH) (mm)	1090 x 630 x 1900
Weight	220 kg



Art. no. **4997/20**
Art. no. **4997/60**

Mobile pneumatic grease sprayer kits, suitable for the application of grease or similar lubricants on mechanical parts or surfaces for protective purposes. For example these kits are suitable also for applying underseal agents for protective undercoating.

The kits consist of a 25:1 – pneumatic grease pump, metal drum cover, follower plate, 3 m - high pressure hose SAE 100 R2 AT, 1/4", for grease and 3 m – hose for air, with thermo - retractable cover, control gun including lance with twin outlet for the injection of air and spraying nozzles.

Art. no.	4997/20	4997/60
Compression ratio	25:1	
Max outlet pressure	150 bar	
Compressed air supply	3 – 6 bar	
For pails / drum of	18-25 kg	50 kg
Weight	85 kg	110 kg



Art. no. **4322**

Low level pump stop kit for grease, suitable for 180 kg – drums, consisting of:

- Metal drum cover, ø 600 mm, with connection cables junction box;
- Follower plate, ø 590 mm, with rubber edge;
- Probe with contactless sensor;
- Solenoid valve for compressed air;
- Acoustic alarm device;
- Electronic control switch with transformer 230 VAC – 24 VDC, switch ON/OFF - START, indicator lamp in case of empty drum and bypass push button which allows to continue the grease flow again after the pump has been stopped.



Art. no. 4425

Manual lever action grease pump, suitable for 18/25 kg - pails. Standard suction tube length 360 mm; can be supplied also in different lengths on demand.

Art. no. 4426

Similar to art. no. 4425, but with suction tube length 335 mm for 16 kg - pails.

Art. no.	Max outlet pressure	Delivery per stroke	Connections	Weight
4425	250 bar	8 g	1/4" BSP (M)	2 kg
4426	250 bar	8 g	1/4" BSP (M)	2 kg

Art. no. 4425
Art. no. 4426

Art. no. 5125

Portable, manual grease supply kit for 18/25 kg - pails, consisting of:

- Manual lever action grease pump, art. no. 4425;
- Metal drum cover, ø 290 - 330 mm, art. no. 074302*;
- Follower plate, ø 310 - 260 mm, art. no. 4314*;
- 1,5 m - rubber hose R1T, ø 1/4";
- Ball valve and rigid outlet pipe with 4 - jaws - hydraulic coupler, art.no. 4218.

Art. no.	Max outlet pressure	Delivery per stroke	Connections	Weight	Dimensions (LxWxH) (mm)
5125	250 bar	8 g	1/4" BSP (M)	5 kg	340x340x630

Art. no. 5125

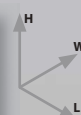


Art. no. 5190

Manual grease supply kit, consisting of metal 16 kg - pail with 2 wheels, pedal action pump, follower plate, ø 230 mm, art. no. 07 5131, 1,5 m - rubber hose R1T, ø 1/4", ball valve and rigid outlet pipe with 4 - jaws - hydraulic coupler.

Art. no.	Max outlet pressure	Delivery per stroke	Connections	Weight	Dimensions (LxWxH) (mm)
5190	150 bar	7 g	1/4" BSP (M)	8 kg	510x580x880

Art. no. 5190



250 bar



Art. no. **5100**

Art. no. **5100**

Portable, manual grease supply kit, consisting of metal 16 kg – pail, lever action grease pump, follower plate, ø 230 mm, art. no. 07 5131, 1,5 m - rubber hose R1T, ø 1/4", ball valve and rigid outlet pipe with 4 – jaws – hydraulic coupler.



MADE IN ITALY!

Art. no.	Max outlet pressure	Delivery per stroke	Connections	Weight	Dimensions (LxWxH) (mm)
5100	250 bar	8 g	1/4" BSP (M)	5,5 kg	240x490x630



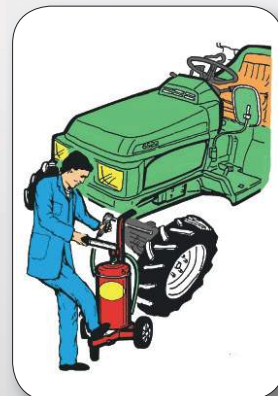
250 bar



Art. no. **5105**

Art. no. **5105**

Portable, manual grease supply kit, consisting of metal 16 kg – pail with 2 wheels, lever action grease pump, follower plate, ø 230 mm, art. no. 07 5131, 1,5 m - rubber hose, ø 1/4", ball valve and rigid outlet pipe with 4 – jaws – hydraulic coupler.



Art. no.	Max outlet pressure	Delivery per stroke	Connections	Weight	Dimensions (LxWxH) (mm)
5105	250 bar	8 g	1/4" BSP (M)	7,5 kg	250x540x630



250 bar



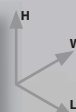
Art. no. **5115**

Art. no. **5115**

Manual grease supply kit, consisting of metal 16 kg – pail with 2 wheels, lever action grease pump, follower plate, ø 230 mm, art. no. 07 5131, 1,5 m - rubber hose, ø 1/4", ball valve and rigid outlet pipe with 4 – jaws – hydraulic coupler.

Mounted on a trolley, art. no. 4350, with fixation bracket.

Art. no.	Max outlet pressure	Delivery per stroke	Connections	Weight	Dimensions (LxWxH) (mm)
5115	250 bar	8 g	1/4" BSP (M)	8 kg	510x580x880



Grease Power 750 is a manual grease supply kit, composed by a spring - loaded pump combined with a special control gun, dispensing the grease in pressure degrees up to 750 bar.

This system can be used in 3 different ways, offering the following results:

1. Delivery of 0,3 g of grease per squeeze with up to 750 bar pressure when the switch of the control gun is on "high pressure" - position. Ideal for unblocking dirty or resinified grease nipple valves.
2. Delivery of 1,1 g of grease per squeeze when switch of the control gun is on "high volume" - position. For normal grease supply operations.
3. Keeping the lever of the control gun pushed and pressing simultaneously the pump rod down by foot, a continuous grease flow at low pressure can be created.

This grease supply kit - thanks to its compactness and its independence from any pneumatic or electric supply - is the ideal, mobile equipment for any application in the field of lubrication.



Art. no. 5110

Portable, manual grease supply kit, consisting of:

- Metal 5 kg – pail with cover;
- Manual, spring - loaded piston grease pump;
- Follower plate;
- 1,5 m - rubber hose, \varnothing 1/2" mm;
- Control gun with selection switch and rigid outlet pipe with 4 – jaws – hydraulic coupler.



Art. no.	Max outlet pressure	Max delivery per stroke	\varnothing suction tube	Length suction tube	Weight	Dimensions (LxWxH) (mm)
5110	750 bar	8 g	28 mm	310 mm	6,5 kg	350x240x550



Art. no. 5111

Portable, manual grease supply kit, suitable for 18/25 kg - pails, consisting of:

- Manual, spring - driven piston grease pump;
- Follower plate, 310 – 260 mm, art. no. 4314;
- 1,5 m - rubber hose, \varnothing 1/2" mm;
- Metal drum cover, \varnothing 290 – 330 mm, art. no. 4302;
- Control gun with selector lever and rigid outlet pipe with 4 – jaws – hydraulic coupler.



OPTIONAL
Art. no. 4215
Extension with quick change coupling, length 130 mm, to be connected with hydraulic coupler.

Art. no.	Max outlet pressure	Max delivery per stroke	\varnothing suction tube	Length suction tube	Weight	Dimensions (LxWxH) (mm)
5111	750 bar	8 g	28 mm	370 mm	5,8 kg	350x480x630





Art. no. **5126**

Art. no. **5127**

Art. no. **5128**

Manual grease gun filler pump kit, consisting of manual lever action grease pump, metal drum cover, follower plate and rigid pipe with adapter for the connection of grease guns. Suitable for grease up to a viscosity of NLGI 2.



Art. no.	Delivery	Ø suction tube	Length suction tube	Ø drum cover	Ø follower plate	Ø pails/drums	Suitable for pails/drums of	Weight
5126	30 g/stroke	40 mm	335 mm	283 mm	275 mm	240-283 mm	18 kg	5 kg
5127	30 g/stroke	40 mm	450 mm	330 mm	310 mm	290-330 mm	20 kg	6 kg
5128	30 g/stroke	40 mm	750 mm	400 mm	390 mm	360-400 mm	50 kg	8 kg



Art. no. **5129**

Art. no. **5130**

Art. no. **5131**

Manual grease transfer kit for the refilling in centralized lubrication systems, consisting of manual lever action grease pump, metal drum cover, follower plate, 2 m – rubber hose Ø 1/2", with quick coupling and curved filling spout with connector to quick coupling. Suitable for grease up to a viscosity of NLGI 2.

Art. no.	Delivery	Ø suction tube	Length suction tube	Ø drum cover	Ø follower plate	Ø pails/drums	Suitable for pails/drums of	Weight
5129	30 g/stroke	40 mm	335 mm	283 mm	275 mm	240-283 mm	18 kg	6 kg
5130	30 g/stroke	40 mm	450 mm	330 mm	310 mm	290-330 mm	20 kg	7 kg
5131	30 g/stroke	40 mm	750 mm	400 mm	390 mm	360-400 mm	50 kg	9 kg



Art. no. **4923**

Art. no. **4963**

Art. no. **4983**

Pneumatic grease transfer kit for the refilling in centralized lubrication systems, consisting of pneumatic 25:1 - grease pump, metal drum cover, follower plate, 2 m – rubber hose Ø 1/2" and quick coupling. Suitable for grease up to a viscosity of NLGI 3.

Art. no.	Delivery	Ø suction tube	Length suction tube	Ø drum cover	Ø follower plate	Ø pails/drums	Suitable for pails/drums of	Weight
4923	7000 g/min	28 mm	450 mm	330 mm	350 mm	290-330 mm	20 kg	10 kg
4963	7000 g/min	28 mm	750 mm	400 mm	390 mm	360-400 mm	50 kg	14 kg
4983	7000 g/min	28 mm	950 mm	600 mm	590 mm	560-600 mm	180 kg	16 kg

LubTools is the Flexbimec brand specialized in the supply of manual lubrication equipment.

LubTools is offering a wide range of articles including grease nipples in galvanized and stainless steel, automatic lubricators, suction guns, lever and push type grease guns, funnels, measures and jerrycans.

In order to see the complete range and to choose the required items, please see our separate LubTools catalogue.



H1 - Art. no. **4241**



H2 - Art. no. **4242**



H3 - Art. no. **4343**



H1a - Art. no. **4241A**



M22 - Art. no. **4245**



M1 - Art. no. **4246**



D1 - Art. no. **4247**



D1a - Art. no. **4247A**



T1B - Art. no. **4244**



K1 - Art. no. **4256**
K2 - Art. no. **4257**
K3 - Art. no. **4258**



H1/S - Art. no. **4241S**
H2/S - Art. no. **4242S**
H3/S - Art. no. **4243S**



D2 - Art. no. **4248**
D3 - Art. no. **4249**



H2a - Art. no. **4242A**
H3a - Art. no. **4343A**



Art. no. **4240X**



Art. no. **4240**



Art. no. **4241/TL**
Art. no. **4241/TC**



Art. no. **4241/P**



Art. no. **4250/60**



Art. no. **4250/120**



Art. no. **4250/240**

Art. no. **4400**
Art. no. **4400/4**



Art. no. **4400**
Art. no. **4400/4**

Lever action grease gun, suitable for the use with bulk grease or with grease cartridges. With steel braid outlet hose ø ext. 10 mm x 300 mm length, M 10x1, and 4 – jaws – hydraulic coupler. Suitable for grease up to a viscosity of NLGI 2.

Art. no.	Max delivery	Max outlet pressure	Capacity grease cartridge	Ø suitable grease cartridge	L. suitable grease cartridge	Weight	Dimensions (LxWxH) (mm)
4400	1,2 g/stroke	400 bar	600 g	56 mm	500 mm	1,70 kg	150x480x60
4400/4	1,2 g/stroke	400 bar	400 g	54 mm	500 mm	1,70 kg	150x480x60



Art. no. **4450**
Art. no. **4450/4**



Art. no. **4450**
Art. no. **4450/4**

Pneumatic grease gun, suitable for the use with bulk grease or with grease cartridges. With steel braid outlet hose ø ext. 10 mm x 300 mm length, M 10x1, and 4 – jaws – hydraulic coupler. It is a single action mechanism (non-continuous grease supply): when activating the trigger, the internal piston moves and supplies grease; when the trigger is released, the piston returns in its initial position. By repeating this procedure the grease can be dispensed. Compressed air pressure: 4 – 8 bar. Suitable for grease up to a viscosity of NLGI 2.

Art. no.	Max delivery	Max outlet pressure	Capacity grease cartridge	Ø suitable grease cartridge	L. suitable grease cartridge	Weight	Dimensions (LxWxH) (mm)
4450	1,2 g/stroke	300 bar	600 g	56 mm	500 mm	2 kg	240x440x70
4450/4	1,2 g/stroke	300 bar	400 g	54 mm	500 mm	2 kg	240x440x70



Art. no. **4452**
Art. no. **4452/4**



Art. no. **4452**
Art. no. **4452/4**

Electric grease gun with 12 V - battery, suitable for the use with bulk grease or with grease cartridges. With steel braid outlet hose ø ext. 10 mm x 300 mm length, M 10x1, and 4 – jaws – hydraulic coupler. The grease is dispensed continuously; by pushing the trigger of the grease gun, the internal gears start moving and the grease is supplied. When the trigger is released again, the grease flow stops. Battery charger: 12 VDC (1300 mAh), time for recharging: 1 hour (according to the ROHS – directive). Battery recharger: 230 Vac (12 V DC, 50 Hz). Supplied in a plastic case with a lever grease gun head for the use as lever grease gun. Suitable for grease up to a viscosity of NLGI 2.

Art. no.	Max delivery	Max outlet pressure	Capacity grease cartridge	Ø suitable grease cartridge	L. suitable grease cartridge	Weight	Dimensions (LxWxH) (mm)
4452	8 g/stroke	300 bar	600 g	56 mm	500 mm	7,5 kg	540x430x110
4452/4	8 g/stroke	300 bar	400 g	54 mm	500 mm	7,5 kg	540x430x110



Art. no. **4405**



Art. no. **4405**
Art. no. **4406**

Cartridge with lithium grease, NLGI 2, with 600 g capacity. Diameter 56 mm, length 300 mm. Kinematic viscosity of the basing oil: 150 cSt, 40°C. Temperature range of use: -20°C - +120°C. According DIN 51502 K 2 K-20. Packaging unit: 15 pcs.

Art. no. **4406**

Cartridge with lithium grease, NLGI 2, with 400 g capacity. Diameter 52 mm, length 235 mm. Kinematic viscosity of the basing oil: 150 cSt, 40°C. Temperature range of use: -20°C - +120°C. According DIN 1284. Packaging unit: 15 pcs.



Art. no. **4200**
Art. no. **4201**

Art. no. **4200**

High pressure grease control gun, steel body, inlet connection 1/4" BSP (M), outlet connection M 10x1.

Art. no. **4201**

High pressure grease control gun art.no. 4200, but additionally equipped with a trigger guard.



Art. no. **4205**
Art. no. **4206**

Art. no. **4205**

High pressure grease control gun with 300 mm – steel braid rubber outlet hose ø ext. 10 mm and 4 - jaws - hydraulic coupler.

Art. no. **4206**

High pressure grease control gun art.no. 4205, but additionally equipped with a trigger guard.



Art. no. **4207**
Art. no. **4208**

Art. no. **4208**

High pressure grease control gun with rigid outlet pipe and 4 - jaws – hydraulic coupler.

Art. no. **4207**

High pressure grease control gun art.no. 4208, but additionally equipped with a trigger guard.



Art. no. **4209**

Art. no. **4204**

Art. no. **4209**

High delivery grease control gun for the transfer of grease, with rigid outlet, ø 20 mm. Working pressure up to 200 bar, burst pressure 350 bar.

Art. no. **4204**

Grease control gun for the transfer of grease, with rigid outlet, ø 16 mm. Working pressure up to 180 bar, burst pressure 320 bar.



Art. no. **4228**

Art. no. **4221**

Art. no. **4221**

High pressure rotating "Z" – swivel, connections M – F 1/4" BSP. For the installation between hose and control gun. Allows a complete 360° - rotation on the 3 axes, also under pressure.

Art. no. **4228**

Straight high pressure rotating swivel, connections M – F 1/4" BSP. For the installation between hose and control gun. Allows a complete 360° - rotation on the 1 axe, also under pressure.



Art. no. 4224 Art. no. 4226 Art. no. 4227
Art. no. 4220 Art. no. 4225



Art. no. 4251 Art. no. 4252 Art. no. 4253
Art. no. 4254 Art. no. 4255

Art. no. **4220** - Hydraulic 4 – jaws – coupler, standard version, steel body, height 36 mm, for hydraulic-type grease nipples according to DIN 71412, connection M 10x1.

Art. no. **4224** - Giant button head coupler, steel body, for button head grease nipples with \varnothing 22 mm according to DIN 3404; connection M 10x1.

Art. no. **4225** - Hydraulic 4 – jaws – coupler, steel body, for hydraulic-type grease nipples according to DIN 71412, connection M 10x1, with 90° – curved swivel adapter.

Art. no. **4226** - Button head coupler, steel body, for button head grease nipples with \varnothing 15 mm according to DIN 3404; connection M 10x1.

Art. no. **4227** - Reverse button head coupler, steel body, for button head grease nipples with \varnothing 15 mm according to DIN 3404; connection M 10x1.

Art. no. **4251** - Pointed coupler, steel body, for flush-type grease nipples according to DIN 3405; connection M 10x1.

Art. no. **4252** - Pin pointed coupler, steel body, for flush-type grease nipples according to DIN 3405; connection M 10x1.

Art. no. **4253** - Hollow-type coupler, steel body, for ball-type and hydraulic-type grease nipples according to DIN 71412; connection M 10x1.

Art. no. **4254** - Bayonet coupler, steel body, for bayonet grease nipples; connection M 10x1.

Art. no. **4255** - Hydraulic 4 – jaws – coupler, heavy duty version, steel body, height 48 mm, with ball valve, for hydraulic-type grease nipples according to DIN 71412, connection M 10x1. Suitable also for applications with oil.

All couplers are available also with thread G 1/8" (F) on demand.



Art. no. 4217/1000
Art. no. 4216
Art. no. 4217+4220
Art. no. 4217
Art. no. 4218
Art. no. 4215
Art. no. 4219

Art. no. **4215** - Extension pipe for hydraulic 4 – jaws – couplers, length 130 mm, with quick coupling and connection M 10x1.

Art. no. **4216** - Double steel braid rubber outlet hose 1/4", SAE 100 R2 AT, length 400 mm; connections M 10x1 – 1/4" BSP (M).

Art. no. **4217** - Steel braid rubber outlet hose \varnothing ext. 10 mm, length 400 mm, max. working pressure 400 bar, burst pressure 1000 bar; connections M 10x1.

Art. no. **4217/1000** - Steel braid rubber outlet hose \varnothing ext. 10 mm, length 1000 mm, max. working pressure 400 bar, burst pressure 1000 bar; connections M 10x1.

Art. no. **4217+4220** - Steel braid rubber outlet hose \varnothing ext. 10 mm, length 400 mm, max. working pressure 400 bar, burst pressure 1000 bar with hydraulic 4 – jaws – coupler; connections M 10x1.

Art. no. **4218** - Angled rigid outlet pipe, length 200 mm, with hydraulic 4 – jaws – coupler; connections M 10x1.

Art. no. **4219** - Angled rigid outlet pipe, length 130 mm; connections M 10x1.

All outlet pipes and hoses are available also with thread G 1/8" (F) on demand.



Art. no. 4216 Art. no. 4233
Art. no. 4233
Art. no. 4234
Art. no. 4235

Art. no. **4216 + 4233**

Double steel braid rubber outlet hose 1/4", length 400 mm, connection 1/4" (M), with quick coupling to be connected on grease containers in centralized lubrication systems for refilling.

Art. no. **4234**

Angled rigid outlet pipe, connection 1/2" (M), with quick coupling, for the grease refilling of lever grease guns through grease gun filler pumps.

Art. no. **4235**

Curved rigid outlet pipe, connection \varnothing 1/2" (M), for the refilling of grease containers in centralized lubrication systems.

Art. no. **4233**

Quick coupling, connection 1/4" (F), suitable for the refilling of grease containers in centralized lubrication systems.

Digital flow meters based on the oval gears measuring principle. The flow meters are instruments equipped with an electronic component that permits by the use of a sensor to measure the flow of grease passing through it and transmitting then a signal on a liquid crystal display. The use of this instrument is suitable in all grease supply systems and enables the user to control and to measure the grease flow. Not approved for fiscal transactions.



Art. no. 4286

Digital oval gears grease flow meter, series "Grease Control", with grease control gun, rigid outlet pipe and hydraulic 4-jaws coupler. The calibration of the meter can also be made by the user. Equipped with 2 batteries of 1,5 VDC.

Art. no. 4289

Digital oval gears grease flow meter, series "Grease Control", suitable for the use as inline meter. The calibration of the meter can also be made by the user. Equipped with 2 batteries of 1,5 VDC.

TECHNICAL DATA

Art. no.	4286	4289
Connections	1/4" BSP (M)	1/8" BSP (F)- 10x1 (F)
Delivery min – max	0,20 - 2 kg/min	0,20 - 2 kg/min
Temperature	min +2°C – max +50°C	min +2°C – max +50°C
Max pressure	400 bar	400 bar
Precision	+/- 0,3% *	+/- 0,3% *
Total max (resettable)	999,9 kg	999,9 kg
Total max (non resettable)	9999 kg	9999 kg
Weight	1,4 kg	1,2 kg

*Basic calibration made in factory with grease NLGI 0



Art. no. 4236

Digital oval gears grease flow meter, series "Grease Gate", with preset function of the desired grease quantity to be supplied. With grease control gun, rigid outlet pipe and hydraulic 4-jaws coupler. The preset function introduces a certain degree of automation since it becomes possible to predetermine the dosages and to stop the grease flow automatically once the preselected value has been reached. The calibration of the meter can also be made by the user.

TECHNICAL DATA

Art. no.	4236
Connections	1/4" BSP (M)
Delivery min – max	0,10 - 2 kg/min
Temperature	+ 2°C / + 50°C
Max pressure	300 bar
Precision	+/- 0,5%*
Lowest preselection value	0,010 kg
Total max (resettable)	999,9 kg
Total max (non resettable)	9999 kg
Weight	1,7 kg

*Basic calibration made in factory with grease NLGI 0

Digital flow meters based on the oval gears measuring principle. The flow meters are instruments equipped with an electronic component that permits by the use of a sensor to measure the flow of grease passing through it and transmitting then a signal on a liquid crystal display. The use of this instrument is suitable in all grease supply systems and enables the user to control and to measure the grease flow. Not approved for fiscal transactions.



Art. no. 4285

Art. no. 4285

Digital oval gears grease flow meter, with grease control gun and rigid outlet pipe, for the measurement of regular quantities in grease transfer applications at relatively low pressure.

The calibration of the meter can also be made by the user.

TECHNICAL DATA

Art. no.	4285
Connections	1/2" BSP (M)
Delivery min – max	0,05 – 5 kg/min
Temperature	+2°C / + 50°C
Max pressure	70 bar
Precision	+/- 1% *
Total max (resettable)	999,9 kg
Total max (non resettable)	9999 kg
Weight	1,4 kg

*Basic calibration made in factory with grease NLGI 0



Art. no. 4287

Art. no. 4287

Digital oval gears grease flow meter, with grease control gun and rigid outlet pipe, for the measurement of high quantities in grease transfer applications with pneumatic pumps of the series "Power Bull" at relatively low pressure.

The calibration of the meter can also be made by the user.

TECHNICAL DATA

Art. no.	4287
Connections	1" BSP (M)
Delivery min – max	0,5 – 20 kg/min
Temperature	+2°C / + 50°C
Max pressure	150 bar
Precision	+/- 1% *
Total max (resettable)	999,9 kg
Total max (non resettable)	9999 kg
Weight	3 kg

*Basic calibration made in factory with grease NLGI 0



Art. no. **4301** Art. no. **4305L**
 Art. no. **4302** Art. no. **4305S**
 Art. no. **4302S** Art. no. **4305/TP**
 Art. no. **4305** Art. no. **4308**
 Art. no. **4308/TP**

Metal drum cover, available in different dimensions to suit to the various types of grease drums, including butterfly screws for the fixation of the cover on the drum as well as bung adapter for the fixation of the pump in vertical position.

Art. no.	Suitable for external drum diameters of	Bore suitable for suction tube diameter of	Suitable for drums of	Weight
4301	240 - 283 mm	28 mm	18 kg	2,4 kg
4302	290 - 330 mm	28 mm	20 kg	2,6 kg
4302S	310 - 350 mm	28 mm	25 kg	2,6 kg
4305	360 - 400 mm	28 mm	50 kg	2,8 kg
4305L	348 - 388 mm	28 mm	50 kg	2,8 kg
4305S	410 - 450 mm	28 mm	50 kg	2,8 kg
4305/TP	360 - 400 mm	40 mm	50 kg	2,8 kg
4308	560 - 600 mm	28 mm	180 kg	3,2 kg
4308/TP	560 - 600 mm	40 mm	180 kg	3,2 kg



Art. no. **4310** Art. no. **4315**
 Art. no. **4311** Art. no. **4317**
 Art. no. **4312** Art. no. **4317/TP**
 Art. no. **4312S** Art. no. **4319**
 Art. no. **4314** Art. no. **4319/TP**

Follower plate with rubber edge, available in different dimensions to suit to the various types of grease drums. The follower plate causes a constant grease level inside of the drum and helps to avoid any air pockets inside of the grease close to the suction tube as well as any disposals of grease on the inner surface of the drum.

Art. no.	Total diameter follower plate	Diameter metal disc	Bore suitable for suction tube diameter of	Suitable for drums of	Weight
4310	205 mm	150 mm	28 mm	5 kg	0,7 kg
4311	275 mm	230 mm	28 mm	18 kg	0,9 kg
4312	350 mm	285 mm	28 mm	20 kg	1,5 kg
4312S	340 mm	286 mm	28 mm	25 kg	1,6 kg
4314	310 mm	260 mm	28 mm	20 kg	1,3 kg
4315	330 mm	260 mm	28 mm	20 kg	1,2 kg
4317	390 mm	325 mm	28 mm	50 kg	1,7 kg
4317/TP	390 mm	325 mm	40 mm	50 kg	1,7 kg
4319	590 mm	540 mm	28 mm	180 kg	4,0 kg
4319/TP	590 mm	540 mm	40 mm	180 kg	4,0 kg



Art. no. **4340** Art. no. **4328** Art. no. **4341**

Art. no. **4328**

Plastic bung adapter for fixation of pumps, 2" BSP (M) x 28 mm.

Art. no. **4340**

Plastic bung adapter for fixation of pumps, 2" BSP (M) x 40 mm.

Art. no. **4341**

Plastic lock ring for bung adapter, 2" BSP (M), for art. nos. 4328 and 4340.

Art. no. **4326**

Hose, length 1200 mm, with connector for compressed air. This hose can be connected to the follower plates for 180 kg – drums and allows to set compressed air pressure under the follower plate when it has reached the low level in order to take it out of the drum again more easily.

Art. no. **4326**

Art. no. **4309**

Metal drum cover, including metal bung adapter and metal counter-ring, suitable for the use of pneumatic grease pumps of series "Power Bull" on 180 kg – drums.
Total diameter 600 mm, diameter of bore for suction tube in bung adapter of 50 mm.
Suitable for art. nos. 4048 – 4049 – 4050.

Art. no. **4309/70**

Metal drum cover such as art. no. 4309, but including bung adapter with diameter of bore for suction tube of 70 mm.
Suitable for art. nos. 4046 and 4047.

Art. no. **4309**
Art. no. **4309/70**

Art. no. **4320**

Follower plate with rubber edge, for applications with pneumatic grease pumps of series "Power Bull" on 180 kg – drums. The follower plate causes a constant grease level inside of the drum and helps to avoid any air pockets inside of the grease close to the suction tube as well as any disposals of grease on the inner surface of the drum.
Total diameter of follower plate 590 mm, diameter of metal disc 540 mm, diameter of bore for suction tube 50 mm. Suitable for art. nos. 4048 – 4049 – 4050.

Art. no. **4320/70**

Follower plate such as art. no. 4320, but diameter of bore for suction tube 70 mm. Suitable for art. nos. 4046 and 4047.

Art. no. **4320**
Art. no. **4320/70**

Art. no. **4343/50**

Art. no. **4343/70**

Art. no. **4343/50**

Metal bung adapter for the fixation of pumps, series "Power Bull", 2" BSP (M) x 50 mm, on drums.
Suitable for art. nos. 4048 – 4049 – 4050.

Art. no. **4343/70**

Metal bung adapter for fixation of pumps, series "Power Bull", 2" BSP (M) x 70 mm, on drums.
Suitable for art. nos. 4046 and 4047.

Art. no. **4343/71**

Metal lock ring for bung adapter, 2" BSP (M), for art. no. 4343/70.

Art. no. **4342/50**

Metal flange plate for fixation of pumps, series "Power Bull", with suction tube diameter 50 mm, without bung adapter. Suitable for art. nos. 4048 – 4049 – 4050.

Art. no. **4342/70**

Metal flange plate for fixation of pumps, series "Power Bull", with suction tube diameter 70 mm, without bung adapter. Suitable for art. nos. 4046 and 4047.

Art. no. **4342/70**

Art. no. **4342/50**



RUBBER HOSES AND FITTINGS FOR GREASE

High pressure rubber hoses SAE 100 R2 AT – EN 853 – DIN 20022 – 15 N, with female, straight BSP – connections, suitable for the supply of grease. Ideal for the connection on pumps or hose reels.

Internal structure and coating: oil-resistant, synthetic rubber.

Reinforcement: 2 steel wire braided, highly resistant layers.

Cover coat: black synthetic rubber, oil-resistant and resistant to atmospheric influences.



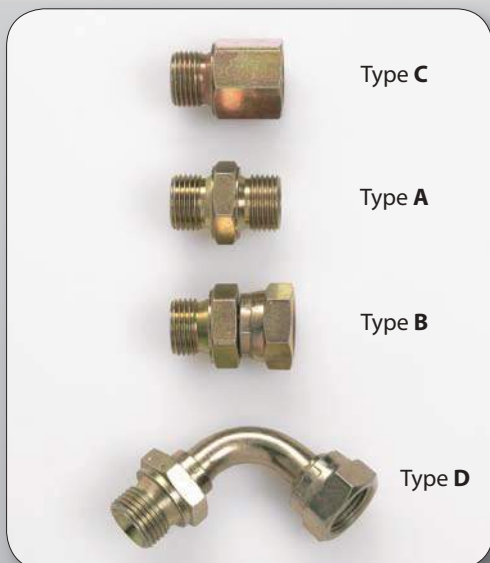
HOW TO ORDER

Length	Ø 1/4" Art. no.	Ø 3/8" Art. no.	Ø 1/2" Art. no.	Ø 3/4" Art. no.	Ø 1" Art. no.	Ø 1 1/4" Art. no.
1 m	4501	47001	4801	28901	289501	281401
1,5 m	45015	47015	48015	289015	2895015	2814015
2 m	4502	4702	4802	28902	289502	281402
3 m	4503	4703	4803	28903	289503	281403
5 m	4505	4705	4805	28905	289505	281405
6 m	4506	4706	4806	28906	289506	281406
10 m	4510	4710	4810	28910	289510	281410
15 m	4515	4715	4815	28915	289515	281415
20 m	4520	4720	4820	28920	289520	281420
25 m	-	4725	4825	28925	289525	281425
30 m	-	4730	4830	28930	289530	281430
35 m	-	4735	4835	28935	289535	281435
40 m	-	4740	4840	28940	289540	281440

Other lengths available on demand!

TECHNICAL DATA

Nominal diameter	Ø 1/4"	Ø 3/8"	Ø 1/2"	Ø 3/4"	Ø 1"	Ø 1 1/4"
Internal diameter (mm)	6,4 mm	9,5 mm	12,7 mm	19 mm	25,4 mm	31,8 mm
Wire braid diameter (mm)	12,7 mm	16,7 mm	19,8 mm	25,4mm	33,3 mm	40,5 mm
External diameter (mm)	15 mm	19 mm	22,2 mm	27,7 mm	35,6 mm	43,5 mm
Working pressure (bar)	400 bar	330 bar	275 bar	105 bar	88 bar	63 bar
Burst pressure (bar)	1600 bar	1320 bar	1100 bar	420 bar	350 bar	250 bar
Min bending radius (mm)	100 mm	130 mm	180 mm	240 mm	300 mm	420 mm
Working temperature	min -40°C, max +100°C	min -40°C, max +100°C	min -40°C, max +100°C	min -40°C, max +100°C	min -40°C, max +100°C	min -40°C, max +100°C
Weight (kg/m)	0,36 kg/m	0,53 kg/m	0,63 kg/m	0,61 kg/m	0,94 kg/m	1,19 kg/m



Type C

Type A

Type B

Type D

Type A

Double male connection adapter, BSP, galvanized steel.

Art. no. **9911** 1/2" x 3/8"

Art. no. **9912** 1/2" x 1/4"

Art. no. **4223** 1/4" x 1/4"

Type B

Male – female swivel connection adapter, BSP, galvanized steel.

Art. no. **4229** 1/4" x 1/4"

Type C

Male – female connection adapter, BSP, galvanized steel.

Art. no. **9905** 1/2" x 1/4"

Art. no. **9906** 1/2" x 3/8"

Art. no. **4231** 1/4" x 1/4"

Type D

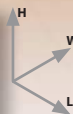
90°- curved male – female connection adapter, BSP, galvanized steel.

Art. no. **4232** 1/4" x 1/4"



Automatic, spring – driven hose reel, standard series, in painted steel, including rubber hoses SAE 100 R2 AT with female connection threads, suitable for the supply of grease at high pressure.

Art. no.	Ø hose	Length hose	Max working pressure	Reel width	Ø reel	Art. no. suitable swivel bracket	Weight	Dimensions (LxWxH) (mm)
9016+4510	1/4"	10 m	400 bar	120 mm	450mm	9767	17 Kg	250x550x450
9016+4710	3/8"	10 m	330 bar	120 mm	450mm	9767	20 Kg	250x550x450
9016+4810	1/2"	10 m	275 bar	120 mm	450mm	9767	18 Kg	250x550x450
9016+4515	1/4"	15 m	400 bar	120 mm	450mm	9767	18 Kg	250x550x450
9016+4715	3/8"	15 m	330 bar	120 mm	450mm	9767	21 Kg	250x550x450
9016+4815	1/2"	15 m	275 bar	120 mm	450mm	9767	20 Kg	250x550x450
9021+4520	1/4"	20 m	400 bar	150 mm	450mm	9768	26 Kg	260x550x450
9021+4720	3/8"	20 m	330 bar	150 mm	450mm	9768	28 Kg	260x550x450
9021+4820	1/2"	20 m	275 bar	150 mm	450mm	9768	27 Kg	260x550x450



Automatic, spring – driven hose reel, adjustable arms series, in painted steel, including rubber hoses SAE 100 R2 AT with female connection threads, suitable for the supply of grease at high pressure.

Art. no.	Ø hose	Length hose	Max working pressure	Reel width	Ø reel	Art. no. suitable swivel bracket	Weight	Dimensions (LxWxH) (mm)
9090+4510	1/4"	10 m	400 bar	120 mm	450mm	9767	20 Kg	250x550x450
9090+4710	3/8"	10 m	330 bar	120 mm	450mm	9767	20 Kg	250x550x450
9090+4810	1/2"	10 m	275 bar	120 mm	450mm	9767	22 Kg	250x550x450
9091+4515	1/4"	15 m	400 bar	120 mm	450mm	9767	25 Kg	250x550x450
9091+4520	1/4"	20 m	400 bar	120 mm	450mm	9767	26 Kg	250x550x450
9092+4720	3/8"	20 m	400 bar	120 mm	450mm	9767	27 Kg	250x550x450
9093+4725	3/8"	25 m	330 bar	150 mm	450mm	9768	31 Kg	280x550x450
9083+4530	1/4"	30 m	400 bar	150 mm	540mm	9777	42 Kg	250x590x600
9083+4730	3/8"	30 m	330 bar	150 mm	540mm	9777	44 Kg	250x590x600
9083+4830	1/2"	30 m	275 bar	150 mm	540mm	9777	45 Kg	250x590x600



Automatic, spring – driven hose reel, enclosed series, in painted steel, including rubber hoses SAE 100 R2 AT with female connection threads, suitable for the supply of grease at high pressure.

Art. no.	Ø hose	Length hose	Max working pressure	Reel width	Ø reel	Art. no. suitable swivel bracket	Weight	Dimensions (LxWxH) (mm)
9013+4510	1/4"	10 m	400 bar	120 mm	450mm	9778	20 kg	250x550x450
9013+4710	3/8"	10 m	330 bar	120 mm	450mm	9778	20 kg	250x550x450
9013+4810	1/2"	10 m	275 bar	120 mm	450mm	9778	20 kg	250x550x450
9013+4515	1/4"	15 m	400 bar	120 mm	450mm	9778	23 kg	250x550x450
9013+4715	3/8"	15 m	330 bar	120 mm	450mm	9778	23 kg	250x550x450
9013+4815	1/2"	15 m	275 bar	120 mm	450mm	9778	24 kg	250x550x450
9023+4520	1/4"	20 m	400 bar	150 mm	450mm	9778	26 kg	280x550x450
9023+4720	3/8"	20 m	330 bar	150 mm	450mm	9778	26 kg	280x550x450
9023+4820	1/2"	20 m	275 bar	150 mm	450mm	9778	27 kg	280x550x450



For other hose reel models please see chapter "Hose reels" on page 208!

FLEXBIMEC produces a wide range of pneumatic oil pumps that offers an appropriate solution for any kind of fluid viscosity, required delivery, pumping distance, necessary outlet pressure, ambient temperature as well as for simultaneous fluid supplies and any type of storage container.

In the following charts the essential data for selecting the adequate pump for the individual requirements are shown.

For more detailed information please see the following pages.

Compression ratio 1:1



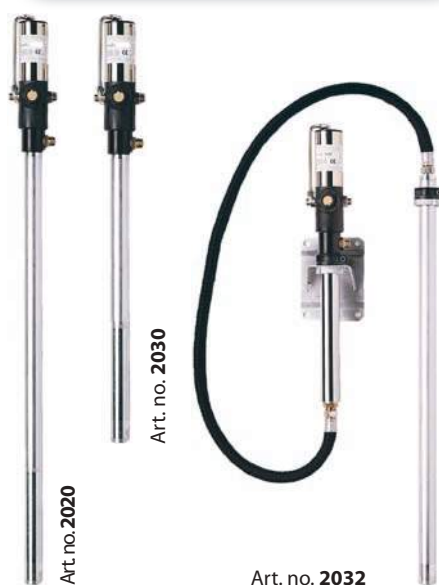
Art. no.	Delivery			
2040	48 l/min			
2043	35 l/min			
2043L	35 l/min			
2044	35 l/min			
2047	35 l/min			
2047/L	35 l/min			
2049	35 l/min			
1045	35 l/min			

These pumps are recommended for the use

- at pumping distances up to 15 m,
- with low viscosity fluids.

See page 40!

Compression ratio 3:1



Art. no.	Delivery			
2020	24 l/min			
2030	24 l/min			
2073	17 l/min			
2074	17 l/min			
2032	21 l/min			
2033	21 l/min			
2020TWDE	28 l/min			
2030TWDE	28 l/min			

These pumps are recommended for the use

- at pumping distances up to 100 m,
- with low and medium viscosity fluids.

See pages 41 and 43!

Compression ratio 5:1



Art. no.	Delivery			
2025	15 l/min			
2035	15 l/min			
2075	13 l/min			
2075/L	13 l/min			
2076	13 l/min			
2061	17 l/min			
2025TWDE	22 l/min			
2035TWDE	22 l/min			
2075/LTWDE	20 l/min			
2076TWDE	20 l/min			

These pumps are recommended for the use

- at pumping distances up to 200 m,
- with low and medium viscosity fluids,
- with high viscosity fluids at shorter pumping distances.

See pages 42 – 43 – 44!

Legend

Oil SAE 0/40		Oil SAE 90		Oil SAE 240		Waste oil		Antifreeze		Windshield washer fluid	
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The **FLEXBIMEC** oil pump range is completed by the industrial pump series "**Power Bull**" with high delivery pumps for the supply of fluid lubricants in demanding conditions. These pumps are particularly recommended for the distribution of medium or high viscosity oils in applications or pipeworks where a simultaneous supply in different distribution points at high pressure and high delivery is required. The elevated quality of the used materials and the innovative constructional concept of the pneumatic motors of this line assure the following characteristics and advantages:

- Efficiency of a constant flow,
- Low noise level,
- Limited number of piston strokes,
- Low vibrations,
- Easy maintenance and interchangeability of components,
- Included overpressure control valve,
- Included drain device for condensation water in order to avoid a spraying into the surrounding area.

Series "Tapir"



Art. no. 2012 Art. no. 2013 Art. no. 2016

Art.no.	Ratio	Delivery			
2012	6:1	32 l/min			
2013	2:1	48 l/min			
2014	5:1	18 l/min			
2015	5:1	18 l/min			
2016	6:1	32 l/min			

These pumps are recommended

- to achieve high deliveries in the use with low viscosity fluids (art. no. 2013),
- for the use with low and medium viscosity fluids at pumping distances of more than 300 m,
- for the use with high viscosity fluids at long pumping distances (art. nos. 2012 and 2016)
- for simultaneous fluid supplies.

See page 45!

Industrial pump series "Power Bull" Single acting models



Art. no. 2056 Art. no. 2055 Art. no. 2096 Art. no. 2098
Art. no. 2097

Art.no.	Ratio	Delivery			
2055	10:1	27 l/min			
2056	16:1	15 l/min			
2096	4:1	50 l/min			
2097	10:1	40 l/min			
2098	1,5:1	122 l/min			

These pumps are recommended

- to achieve very high deliveries in the use with low viscosity fluids (art. no. 2098),
- for the use with low and medium viscosity fluids at pumping distances of more than 300 m,
- for the use with high viscosity fluids at long pumping distances (art. nos. 2055, 2056 2096, 2097),
- for simultaneous fluid supplies.

See page 47!

Industrial pump series "Power Bull" Double acting models



Art. no. 2092 Art. no. 2093 Art. no. 2094

Art.no.	Ratio	Delivery			
2057	10:1	27 l/min			
2058	16:1	15 l/min			
2088	4:1	64 l/min			
2091	6:1	42 l/min			
2092	7:1	40 l/min			
2093	4:1	62 l/min			
2094	6:1	55 l/min			

These pumps are recommended

- to achieve high deliveries in the use with low viscosity fluids,
- for the use with low and medium viscosity fluids at pumping distances of more than 300 m,
- for the use with high viscosity fluids at long pumping distances,
- for simultaneous fluid supplies.

See pages 46 and 48!

Legend

Oil SAE 0/40	Oil SAE 90	Oil SAE 240	Waste oil	Antifreeze	Windshield washer fluid
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Pneumatic pumps for the transfer of low viscosity oils and antifreeze at high delivery and short pumping distances.

1:1 Compression ratio

Single acting - 35 l/min



Art. no. **2043**
Oil
Waste oil
Art. no. **2049**
Pure antifreeze

Single acting - 35 l/min



Art. no. **2043/L**
Oil
Art. no. **2047/L**
Pure antifreeze

Double acting - 48 l/min



Art. no. **2040**
Oil

Single acting - 35 l/min



Art. no. **2044** **Oil**
Art. no. **2047** **Pure antifreeze / Waste oil**

Art. no.	2040	2043 2049	2044 2047	2043/L 2047/L
Compressed air supply	Pressure Min 2 bar, Max 8 bar			
Compression ratio	1,4 : 1	1,3 : 1	1,3 : 1	1,3 : 1
Outlet pressure	10 bar	9 bar	9 bar	9 bar
Delivery	48 l/min	35 l/min	35 l/min	35 l/min
Connection compressed air	1/4" BSP (F)	1/4" BSP (F)	1/4" BSP (F)	1/4" BSP (F)
Connection lubricant outlet	3/4" BSP (M)	3/4" BSP (M)	3/4" BSP (M)	3/4" BSP (M)
Max air consumption with 8 bar pressure	210 l/min	210 l/min	210 l/min	210 l/min
Length suction tube	950 mm	250 mm	-	950 mm
Diameter suction tube	55 mm	55 mm	55 mm	55 mm
Suitable for drums of	208 l	Spec.	Spec.	208 l
Weight	6,6 Kg	4,4 Kg	4,5 kg	5,2 kg
Dimensions (LxWxH) (mm)	95x95x1180	110x110x530	110x110x530	95x95x1180

The a. m. performance values are based upon the following test conditions:
Hydraulic oil ISO 32 at 22°C -- Compressed air pressure 8 bar -- free flow outlet.



Art. no. **7180**

Art. no. **7150**

OPTIONAL

Maintenance advise

- It is recommended to use rubber hoses with a diameter of min. 3/4".
- For a continuous use of the pump it is recommended to install a compressed air treatment unit, composed of pressure regulator with manometer and moisture separator (art. no. 7180) or pressure regulator with manometer, moisture separator and lubricator (art. nos. 7150) at the compressed air inlet of the pump.
- Any installed valves, curves, filters, ball valves or flow meters will reduce the delivery of the pump.

See accessories on pages 49 – 50 and 58 – 69!

Pneumatic pumps for the supply of low and medium viscosity oils and antifreeze for the use in mobile kits or in pipeworks.

3:1 Compression ratio

Double acting - 23,7 l/min



Art. no. **2030**
Oil

Double acting - 23,7 l/min



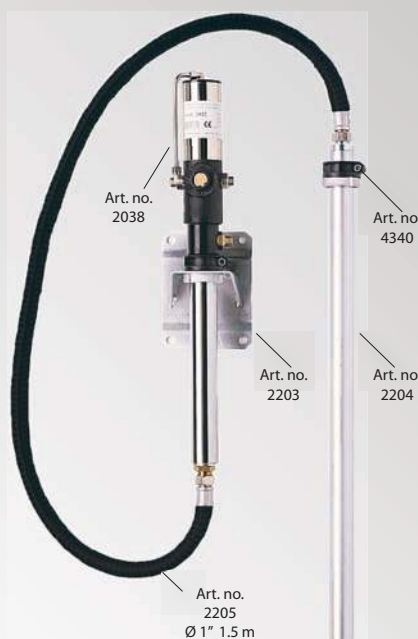
Art. no. **2020**
Oil
Art. no. **2020130**
IBC 1000 l

Single acting - 16,7 l/min



Art. no. **2073**
Oil
Art. no. **2074**
Pure antifreeze

Double acting - 20,5 l/min



Art. no. **2032**
Oil
Art. no. **2033**
Pure antifreeze
Art. no. **2032130**
IBC 1000 l
Art. no. **2033130**
IBC 1000 l

Art. no.	2030	2020	2020130	2073 2074	2032 2033	2032130 2033130
Compressed air supply	Pressure Min 2, Max 8 bar					
Compression ratio	3 : 1	3 : 1	3 : 1	3 : 1	3 : 1	3 : 1
Outlet pressure	24 bar	24 bar	24 bar	24 bar	24 bar	24 bar
Delivery	23,7 l/min	23,7 l/min	23,7 l/min	16,7 l/min	20,5 l/min	20,5 l/min
Connection compressed air	1/4" BSP (F)	1/4" BSP (F)	1/4" BSP (F)	1/4" BSP (F)	1/4" BSP (F)	1/4" BSP (F)
Connection lubricant outlet	1/2" BSP (M)	1/2" BSP (M)	1/2" BSP (M)	1/2" BSP (M)	1/2" BSP (M)	1/2" BSP (M)
Max air consumption with 8 bar pressure	210 l/min	210 l/min	210 l/min	210 l/min	210 l/min	210 l/min
Length suction tube	750 mm	950 mm	1300 mm	950 mm	950 mm	1300 mm
Diameter suction tube	40 mm	40 mm	40 mm	40 mm	45 mm	45 mm
Suitable for drums of	60 l	208 l	1000 l	208 l	208 l	1000 l
Weight	5 kg	5,7 kg	5,9 kg	5,6 kg	5,2 kg	5,4 kg
Dimensions (LxWxH) (mm)	95x95x1070	95x95x1270	95x95x1500	95x95x1270	95x95x530	95x95x1500

The a. m. performance values are based upon the following test conditions:
Hydraulic oil ISO 32 at 22°C -- Compressed air pressure 8 bar -- free flow outlet

See accessories on pages
49 - 50 and 58 - 69!



Pneumatic pumps for the supply of medium and high viscosity oils for the use in mobile kits or in pipeworks.

5:1 Compression ratio

Double acting - 15 l/min



Art. no. **2035**
Oil

Double acting - 15 l/min



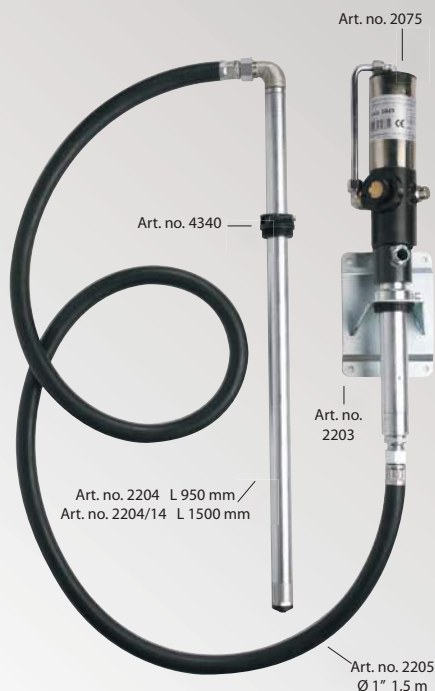
Art. no. **2025**
Oil
Art. no. **2025130**
IBC 1000 l

Single acting - 13 l/min



Art. no. **2075/L**
Oil

Single acting - 13 l/min



Art. no. **2076**

Art. no. **2076130**
IBC 1000 l

Art. no.	2035	2025 2025130	2061 2061130	2075/L	2076 2076130
Compressed air supply	Pressure Min 2 bar, Max 8 bar				
Compression ratio	5 : 1	5 : 1	5 : 1	5 : 1	5 : 1
Outlet pressure	40 bar	40 bar	40 bar	40 bar	40 bar
Delivery	15 l/min	15 l/min	18 l/min	13 l/min	13 l/min
Connection compressed air	1/4" BSP (F)	1/4" BSP (F)	1/4" BSP (F)	1/4" BSP (F)	1/4" BSP (F)
Connection lubricant outlet	1/2" BSP (M)	1/2" BSP (M)	1/2" BSP (M)	1/2" BSP (M)	1/2" BSP (M)
Max air consumption with 8 bar pressure	210 l/min	210 l/min	210 l/min	210 l/min	210 l/min
Length suction tube	750 mm	950/1300 mm	950/1300 mm	950 mm	950/1300 mm
Diameter suction tube	40 mm	40 mm	40 mm	40 mm	40 mm
Suitable for drums of	60 l	208/1000 l	208/1000 l	208 l	208/1000 l
Weight	5,2 kg	5,8 kg	5,4 kg	4,5 kg	5 kg
Dimensions (LxWxH) (mm)	95x95x1070	95x95x1270	95x95x1270	95x95x1270	95x95x950

Double acting - 18 l/min



Art. no. **2061**

Art. no. **2061130**
IBC 1000 l

The a. m. performance values are based upon the following test conditions:
Hydraulic oil ISO 32 at 22°C -- Compressed air pressure 8 bar -- free flow outlet

See accessories on pages
49 – 50 and 58 – 69!

Pneumatic oil pumps with double compressed air outlet distributor, assuring higher delivery rates compared to the standard Art. no.1s.

SERIE TWDE



Art. no.	2020TWDE	2030TWDE	2025TWDE	2035TWDE	2075/LTWDE
Compressed air supply	Pressure Min 2 bar, Max 8 bar				
Compression ratio	3 : 1	3 : 1	5 : 1	5 : 1	5 : 1
Outlet pressure	24 bar	24 bar	40 bar	40 bar	40 bar
Delivery	28 l/min	28 l/min	22 l/min	22 l/min	17 l/min
Connection compressed air	1/4" BSP (F)	1/4" BSP (F)	1/4" BSP (F)	1/4" BSP (F)	1/4" BSP (F)
Connection lubricant outlet	1/2" BSP (M)	1/2" BSP (M)	1/2" BSP (M)	1/2" BSP (M)	1/2" BSP (M)
Max air consumption with 8 bar pressure	230 l/min	230 l/min	260 l/min	260 l/min	230 l/min
Length suction tube	950 mm	650 mm	950 mm	650 mm	950 mm
Diameter suction tube	40 mm	40 mm	40 mm	40 mm	32 mm
Suitable for drums of	208 l	60 l	208 l	60 l	208 l
Weight	5,5 kg	5 kg	5,7 kg	5,3 kg	4 kg
Dimensions (LxWxH) (mm)	95x95x1270	95x95x1070	95x95x1270	95x95x1070	95x95x1270



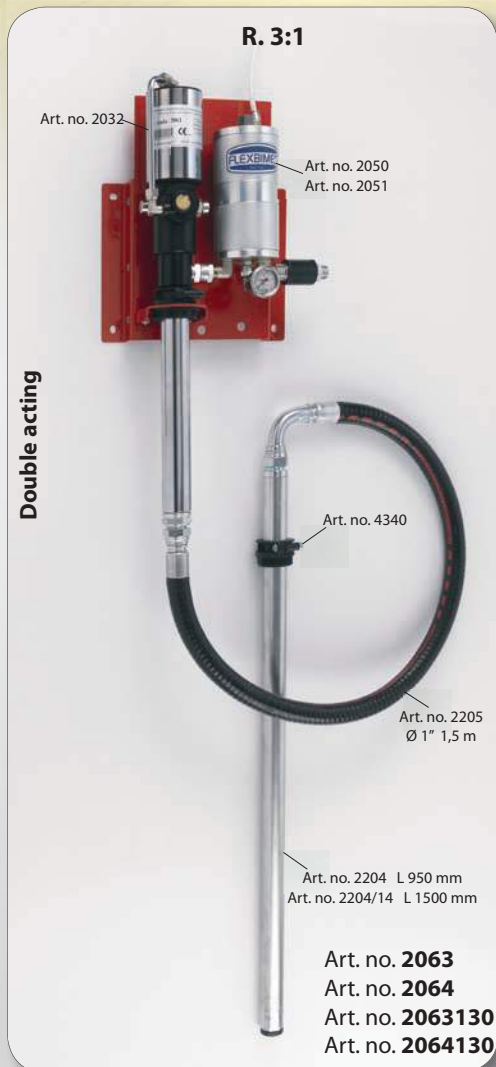
The a. m. performance values are based upon the following test conditions:
Hydraulic oil ISO 32 at 22°C -- Compressed air pressure 8 bar -- free flow outlet

See accessories on pages
49 – 50 and 58 – 69!

- It is recommended to use rubber hoses with a diameter of min. 3/4".
- For a continuous use of the pump it is recommended to install a compressed air treatment unit, composed of pressure regulator with manometer and moisture separator (art. no. 7180) or pressure regulator with manometer, moisture separator and lubricator (art. nos. 7150) at the compressed air inlet of the pump.
- Any installed valves, curves, filters, ball valves or flow meters will reduce the delivery of the pump.

Pneumatic pumps for the supply of oils, approved for fiscal transactions according to the European Directive 2004/22/EC, better known as Measurement Instrument Directive (MID) MI-005, meeting also the requirements of OIML R117-1 (DIN 19217).

SERIES MID



Art. no. 2050 - 2051

Automatic air separator kits, suitable to separate the air eventually present in the suction line from the oil, available with (= art. no. 2051) or without (= art. no. 2050) automatic pump stop device, approved according to OIML R117-1; includes also manometer for the control of the outlet pressure and non-return valve.

By installing the air separator at the fluid outlet of a pump can be achieved the working conditions needed to meet the requirements of the directive MID MI-005 in combination with an oil flow meter that must also be approved for fiscal transactions.

Art. no. 2050 Air separator kit without automatic pump stop device

Art. no. 2051 Air separator kit with automatic pump stop device (stopping the pump as soon as air is sucked into the suction line due to an empty drum or tank)

Art. no.	2023	2024	2063	2064	2063130	2064130
Compressed air supply	Pressure Min 2, Max 8 bar					
Compression ratio	3 : 1					
Outlet pressure	20 bar					
Delivery	Min 0,5 - Max 5 l/min					
Connection compressed air	1/4" BSP (F)					
Connection lubricant outlet	1/2" BSP (M)					
Max air consumption with 8 bar pressure	210 l/min					
Length suction tube	950 mm				1500 mm	
Diameter suction tube	40 mm					
Suitable for drums of	208 l				1000 l	
Weight	8,5 kg	8,6 kg	8,8 kg	8,9 kg	9 kg	9,1 kg
Dimensions (LxWxH) (mm)	95x1200x1300		95x1200x1300		95x1200x1400	

The a. m. performance values are based upon the following test conditions:
Hydraulic oil ISO 32 at 22°C -- Compressed air pressure 8 bar -- free flow outlet

Art. no. 2023 Art. no. 2063

Double acting pneumatic pumps, for the mounting directly in 208 l – drums (= art. no. 2023, based on pump art. no. 2020) or as wall-mounted pump kits (= art. no. 2063, based on pump art. no. 2032) with air separator kit art.no. 2050 (without automatic pump stop) **according to OIML R117-1**, approved for the use in fiscal transactions.

Art. no. 2024 Art. no. 2064

Double acting pneumatic pumps, for the mounting directly in 208 l – drums (= art. no. 2024, based on pump art. no. 2020) or as wall-mounted pump kits (= art. no. 2064, based on pump art. no. 2032) with air separator kit art. no. 2051 (with automatic pump stop, stopping the pump as soon as air is sucked into the suction line due to an empty drum or tank) **according to OIML R117-1**, approved for the use in fiscal transactions.

See accessories on pages
49 – 50 and 58 - 69!

Pneumatic pumps for the supply of medium and high viscosity oils for the use in mobile kits or in pipeworks.

SERIES TAPIR



Art. no.	2013	2015	2012	2014	2016
Compressed air supply	Pressure Min 2, Max 8 bar				
Compression ratio	2 : 1	5 : 1	6 : 1	5 : 1	6 : 1
Outlet pressure	16 bar	40 bar	48 bar	40 bar	48 bar
Delivery	48 l/min	18 l/min	32 l/min	18 l/min	32 l/min
Connection compressed air	1/4" BSP (F)	1/4" BSP (F)	1/2" BSP (F)	1/4" BSP (F)	1/2" BSP (F)
Connection lubricant outlet	3/4" BSP (M)				
Max air consumption with 8 bar pressure	220 l/min	220 l/min	260 l/min	220 l/min	260 l/min
Length suction tube	950 mm				
Diameter suction tube	55 mm	40 mm	40 mm	40 mm	40 mm
Suitable for drums of	208 l				
Weight	8,5 kg	8,2 kg	12 kg	8,2 kg	12 kg
Dimensions (LxWxH) (mm)	95x95x1270			95x95x1500	

The a. m. performance values are based upon the following test conditions:
Hydraulic oil ISO 32 at 22°C -- Compressed air pressure 8 bar -- free flow outlet

See accessories on pages
49 – 50 and 58 - 69!



Heavy duty pneumatic pumps, industrial pump series "Power Bull", designed for the supply of oil under demanding conditions. Particularly suitable for the oil distribution in pipeworks and installations where a simultaneous supply of oil is required on different dispensing points at high pressure and/or with a high delivery.

SERIES POWER BULL

R. 10:1

Delivery 27 l/min



Art. no. 2057

R. 16:1

Delivery 15 l/min



Art. no. 2058

R. 4:1

Delivery 64 l/min



Art. no. 2088

R. 6:1

Delivery 42 l/min



Art. no. 2091

Art. no.	2057	2058	2088	2091
Compressed air supply	Pressure Min 1 bar, Max 8 bar			
Compression ratio	10 : 1	16 : 1	4 : 1	6 : 1
Delivery	27 l/min	15 l/min	64 l/min	42 l/min
Outlet pressure	80 bar	128 bar	32 bar	48 bar
Max frequency strokes/min	150	120	150	120
Max air consumption with 8 bar pressure	2,05 m ³ /min	1,92 m ³ /min	2,05 m ³ /min	1,92 m ³ /min
Diameter pneumatic piston	100 mm	125 mm	100 mm	125 mm
Diameter suction tube	50 x 40 mm	50 x 40 mm	55 x 50 mm	55 x 50 mm
Connection lubricant outlet	1" BSP (M)			
Connection compressed air	1/2" BSP (M)			
Suitable for drums of	208 l			
Weight	15 kg	16 kg	16 kg	17 kg



Art. no. 7180/12 Art. no. 7150/12

OPTIONAL

Maintenance advice

In order to avoid a slowing-down or even a blocking of the pump due to a freezing of generated condensation water closing the air outlet of the motor, we recommend the installation of the above shown air treatment units at the compressed air connection of the pump.

The a. m. performance values are based upon the following test conditions:
Hydraulic oil ISO 32 at 22°C -- Compressed air pressure 8 bar -- free flow outlet

See accessories on pages
49 – 50 and 58 – 69!

Heavy duty pneumatic pumps, industrial pump series "Power Bull", designed for the supply of oil under demanding conditions. Particularly suitable for the oil distribution in pipeworks and installations where a simultaneous supply of oil is required on different dispensing points at high pressure and/or with a high delivery.

SERIES POWER BULL



Art. no. 2056

Art. no. 2055

Art. no. 2096
Art. no. 2097

Art. no. 2098



Art. no.	2055	2056	2096	2097	2098
Compressed air supply	Pressure Min 1 bar, Max 8 bar				
Compression ratio	10 : 1	16 : 1	4 : 1	10 : 1	1,5 : 1
Delivery	27 l/min	15 l/min	50 l/min	40 l/min	122 l/min
Outlet pressure	80 bar	128 bar	32 bar	80 bar	12 bar
Max frequency strokes/min	150	120			
Max air consumption with 8 bar pressure	2,05 m ³ /min	1,92 m ³ /min		1,80 m ³ /min	1,92 m ³ /min
Diameter pneumatic piston	100 mm	125 mm	125 mm	160 mm	125 mm
Diameter suction tube	50 x 40 mm	50 x 40 mm	80 x 70 mm	80 x 70 mm	110 x 100 mm
Connection lubricant outlet	1" BSP (M)				
Connection compressed air	1/2" BSP (F)				
Application	Wall mounted pump				
Weight	15 kg	16 kg	20 kg	23 kg	21 kg

The a. m. performance values are based upon the following test conditions:
Hydraulic oil ISO 32 at 22°C -- Compressed air pressure 8 bar -- free flow outlet

See accessories on pages
49 – 50 and 58 - 69!

Heavy duty pneumatic pumps, industrial pump series "Power Bull", designed for the supply of oil under demanding conditions. Particularly suitable for the oil distribution in pipeworks and installations where a simultaneous supply of oil is required on different dispensing points at high pressure and/or with a high delivery.

SERIES POWER BULL



Art. no. 2092

Art. no. 2093

Art. no. 2094



Art. no.	2092	2093	2094
Compressed air supply	Pressure Min 1 bar, Max 8 bar		
Compression ratio	7 : 1	4 : 1	6 : 1
Delivery	40 l/min	62 l/min	55 l/min
Outlet pressure	56 bar	32 bar	48 bar
Max frequency strokes/min	120	120	60
Max air consumption with 8 bar pressure	1,92 m ³ /min	1,92 m ³ /min	1,80 m ³ /min
Diameter pneumatic piston	125 mm	125 mm	160 mm
Diameter suction tube	55 x 50 mm	80 x 70 mm	80 x 70 mm
Connection lubricant outlet	1" BSP (M)		
Connection compressed air	1/2" BSP (F)		
Application	Wall mounted pump		
Weight	15 kg	20 kg	32 kg

The a. m. performance values are based upon the following test conditions:
Hydraulic oil ISO 32 at 22°C -- Compressed air pressure 8 bar -- free flow outlet

See accessories on pages
49 - 50 and 58 - 69!



Art. no. **2214**

Art. no. 2214/50

Wall bracket in galvanized steel, suitable for the installation of pneumatic oil pumps, series "Power Bull", art. nos. 2055 – 2056. Dimensions: 290 x 290 x 250 mm – ø cylinder 50 mm. Distances between fixation holes: 230 x 205 mm.

Art. no. 2214/55

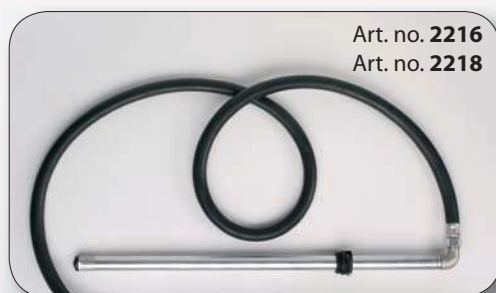
Wall bracket in galvanized steel, suitable for the installation of pneumatic oil pumps, series "Power Bull", art. no. 2092. Dimensions: 290 x 290 x 250 mm – ø cylinder 55 mm. Distances between fixation holes: 230 x 205 mm.

Art. no. 2214/80

Wall bracket in galvanized steel, suitable for the installation of pneumatic oil pumps, series "Power Bull", art. nos. 2093 – 2094 – 2096 – 2097. Dimensions: 290 x 290 x 250 mm – ø cylinder 80 mm. Distances between fixation holes: 230 x 205 mm.

Art. no. 2214/110

Wall bracket in galvanized steel, suitable for the installation of pneumatic oil pumps, series "Power Bull", art. no. 2098. Dimensions: 290 x 290 x 250 mm – ø cylinder 110 mm. Distances between fixation holes: 230 x 205 mm.



Art. no. **2216**

Art. no. **2218**

Art. no. 2216

Suction tube in galvanized steel, ø 55 mm, length 950 mm, with 90° - curved connection 1 1/4" BSP (M), with foot valve. Suitable for the use of wall-mounted pneumatic oil pumps, series "Power Bull", with 208 l – drums.

Art. no. 2218

Rubber suction hose SAE 100 R1 AT, ø 1 1/4", connections 1 1/4" BSP (F-F), length 1500 mm.

Suction tubes and suction hoses in other lengths available on demand!



Art. no. **4343**

Art. no. 4343/50

Metal bung adapter for the fixation of pumps, series "Power Bull", on drums or tanks. Connection 2" BSP (M) x 50 mm. Suitable for art. nos. 2057 – 2058.

Art. no. 4343/55

Metal bung adapter for the fixation of pumps, series "Power Bull", on drums or tanks. Connection 2" BSP (M) x 55 mm. Suitable for art. nos. 2088 – 2091.



Art. no. **4342/55**

Art. no. **4342/50**

Art. no. 4342/50

Metal flange plate for fixation of pumps, series "Power Bull", with suction tube diameter 50 mm, without bung adapter. Suitable for art. Nos. 2055 - 2056 – 2057 - 2058.

Art. no. 4342/55

Metal flange plate for fixation of pumps, series "Power Bull", with suction tube diameter 55 mm, without bung adapter. Suitable for art. nos. 2088 – 2091 - 2092.



Art. no. **7180/12**

Art. no. **7150/12**

Art. no. 7180/12

Art. no. 7150/12

Compressed air treatment unit, composed of pressure regulator with manometer and moisture separator (art. no. 7180/12) or pressure regulator with manometer, condensation water separator and lubricator (art. no. 7150/12). Connections: BSP 1/2".



Art. no. **2203**

Art. no. **2203**

Wall bracket in galvanized steel, suitable for the installation of pneumatic oil pumps, standard series.

Dimensions: 170 x 140 x 235 mm.

Distances between fixation holes: 140 x 200 mm.



Art. no. **2204**
Art. no. **2204/14**

Art. no. **2204**

Suction tube in galvanized steel, \varnothing 40 mm, length 950 mm, with 90° - curved connection 1" BSP (M), with foot valve. Suitable for the use of wall-mounted pneumatic oil pumps, standard series, with 208 l - drums.

Art. no. **2204/14**

Suction tube in galvanized steel, \varnothing 40 mm, length 1100 mm, with 90° - curved connection 1" BSP (M), with foot valve. Suitable for the use of wall-mounted pneumatic oil pumps, standard series, with 1000 l - IBC -tanks.

Art. no. **2205**

Rubber suction hose SAE 100 R1 AT, \varnothing 1", connections 1" BSP (F-F), length 1500 mm.

Suction tubes and suction hoses in other lengths available on demand!



Art. no. **4340**



Art. no. **4341**

Art. no. **4340**

Plastic bung adapter for the fixation of pumps on drums, connection 2" BSP (M) x 40 mm.

Art. no. **4341**

Plastic lock ring, 2", for bung adapter art. no. 4340.



Art. no. **2212**

Art. no. **2212**

Steel mounting plate, for the fixation of pneumatic pumps and accessories on 1000 l - IBC - tanks. Prepared for bung adapter for the fixation of pumps, connection thread 3/4" BSP (F).

Dimensions: 270 x 270 mm.



Art. no. **2217**

Art. no. **2217**

Connection adapter for 1000 l - IBC - tanks in PP, \varnothing 70 mm, connection 1" BSP (M).



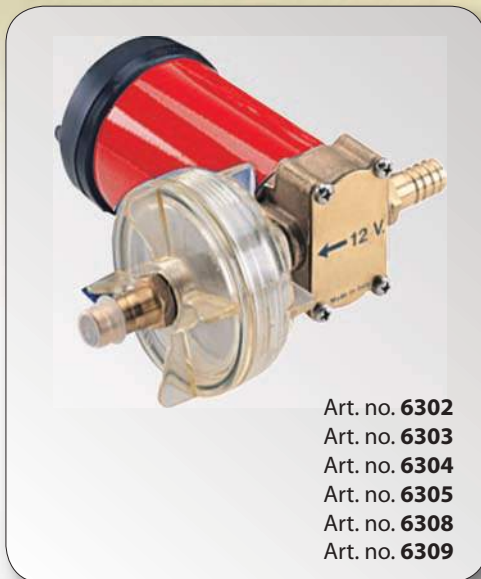
Art. no. **8534**

Art. no. **8534**

Metal rack for wall mounting of pumps, length 1350 mm.



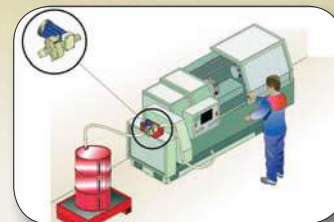
Portable pneumatic and electric pumps, suitable for the transfer of small fluid quantities.



Electric gear pump for the transfer of low viscosity oil, antifreeze, diesel, water.
Suitable for an intermittent use.

Pump body in brass, gears in bronze and pump shaft in stainless steel.

Electric cable and crocodile clamps not included.



Art. no.	Voltage	Current drain	Protection category	Delivery	Outlet pressure	Connections	Weight	Dimensions (LxWxH) (mm)
6302	12 Vdc	6,5 A	IP 55	5 l/min	2 bar	3/8" BSP (F)	1,5 kg	165x160x80
6303	12 Vdc	6,5 A	IP 55	9 l/min	4 bar	3/8" BSP (F)	2,5 kg	165x166x80
6304	24 Vdc	3,5 A	IP 55	5 l/min	2 bar	3/8" BSP (F)	1,5 kg	165x160x80
6305	12 Vdc	6,5 A	IP 55	15 l/min	4 bar	3/8" BSP (F)	4 kg	180x230x83
6308	24 Vdc	3,5 A	IP 55	9 l/min	4 bar	3/8" BSP (F)	2,5 kg	165x166x80
6309	24 Vdc	3,5 A	IP 55	15 l/min	4 bar	3/8" BSP (F)	4 kg	180x230x83



Electric gear pump for the transfer of low viscosity oil, antifreeze, diesel, water.

Suitable for an intermittent use.

Pump body in brass, gears in bronze and pump shaft in stainless steel. With metal cover, ON-/OFF switch and 1 m - cable with alligator clamps for battery connection.



Art. no.	Voltage	Current drain	Protection category	Delivery	Outlet pressure	Connections	Weight	Dimensions (LxWxH) (mm)
6312	12 Vdc	6,5 A	IP 55	6 l/min	2 bar	3/8" BSP (F)	2,5 kg	165x160x80
6314	12 Vdc	6,5 A	IP 55	15 l/min	4 bar	3/8" BSP (F)	4,5 kg	185x240x85
6324	24 Vdc	3,5 A	IP 55	6 l/min	2 bar	3/8" BSP (F)	2,5 kg	165x160x80
6326	24 Vdc	3,5 A	IP 55	15 l/min	4 bar	3/8" BSP (F)	4,5 kg	185x240x85



Pneumatic rotary gear pump for the transfer of low viscosity oil, antifreeze, diesel, water.

Pump body in brass (art. no. 6559) or in stainless steel (art. no. 1058), gears in bronze, seals in Viton® and pump shaft in stainless steel.



Art. no.	Compressed air supply	Outlet pressure	Delivery	Connections	Weight	Dimensions (LxWxH) (mm)
6559	4 bar	4 bar	10,5 l/min	3/8" BSP (F)	1,5 kg	165x160x80
1058	4 bar	4 bar	10,5 l/min	3/8" BSP (F)	1,5 kg	165x160x80





Art. no. **6125** - 110 Vac
Art. no. **6122** - 230 Vac
Art. no. **6128** - 400 Vac

Electric gear pump, self-priming, protection category IP 55, for the supply of oil, antifreeze, diesel, water at medium pressure; guarantees a constant flow and a low noise level.

Pump body in stainless steel, gears in bronze and pump shaft in stainless steel.

Includes a bypass valve preset on 15 bar pressure and 1,5 m - electric cable with SCHUKO plug.



Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure	Delivery l/min	Connections	Weight
6125	110Vac - 60 Hz	0,55 kw	4 A	2800	15 bar	10,5	3/8" BSP (F)	7,5 kg
6122	230Vac - 50 Hz	0,55 kw	4 A	2800	15 bar	10,5	3/8" BSP (F)	7,5 kg
6128	400Vac - 50 Hz	0,55 kw	4 A	2800	15 bar	10,5	3/8" BSP (F)	7,5 kg



Art. no. **6141** - 230 Vac
Art. no. **6129** - 400 Vac

Electric, self-priming gear pump for the supply of oil, antifreeze, diesel, water at medium pressure; guarantees a constant flow and a low noise level. Pump body in stainless steel, gears in bronze and pump shaft in stainless steel.

Kit includes a bypass valve preset on 15 bar pressure, an inline oil filter, a manometer for outlet pressure control, a 1,5 m - electric cable with SCHUKO plug and an electronic pressure switch that starts the pump once the control gun is activated and stops it again due to the pressure increase in the circuit once the gun is closed. Protection category IP 55.



Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure	Delivery l/min	Connections	Weight
6141	230Vac - 50 Hz	0,55 kw	4 A	2800	15 bar	10,5	3/8" BSP (F)	11,5 kg
6129	400Vac - 50 Hz	0,55 kw	4 A	2800	15 bar	10,5	3/8" BSP (F)	11,5 kg



Art. no. **6124**

Electric, self-priming gear pump for the supply of oil, approved for fiscal transactions according to the European **Directive 2004/22/EC**, better known as Measurement Instrument Directive (MID) MI-005, meeting also the requirements of **OIML R117-1 (DIN 19217)**.

Consisting of:

- electric, self-priming 230 VAC gear pump, art. no. 6122;
- automatic air separator kit, art. no. 2054, suitable to separate the air eventually present in the suction line from the oil, with automatic pump stop device, approved according to OIML R117-1; includes also manometer for the control of the outlet pressure and non-return valve;
- control box with push button and electric connection cable;
- double electronic pressure switch that starts the pump once the control gun is activated and stops it again due to the pressure increase in the circuit once the gun is closed;
- bypass valve preset on 15 bar pressure;
- 1,5 m - electric cable with SCHUKO plug;

Protection category IP 55.



Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure	Delivery l/min	Connections	Weight
6124	230Vac - 50 Hz	0,55 kw	4 A	2800	15 bar	10	1/2" BSP (M)	13 Kg



33 l/min
53 l/min

Art. no. **6133** - 110 Vac
Art. no. **6135** - 230 Vac
Art. no. **6138** - 400 Vac
Art. no. **6145** - 230 Vac
Art. no. **6149** - 400 Vac

Electric, self-priming gear pump, for the supply of oil under demanding conditions at medium pressure and with long pumping distances; guarantees a constant flow and delivery, even after long pumping distances or with simultaneous supplies.

Available with motors in 230 Vac, 400 Vac and 110 Vac.

Includes a bypass valve preset on 28 bar pressure.

Electric cable with plug not included.



Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure	Delivery l/min	Connections IN - OUT	Weight
6133	110 Vac - 60 Hz	1,5 Kw	6 A	1400	28 bar	33	1" BSP (M) - 1" BSP (M)	28 kg
6135	230 Vac - 50 Hz	1,5 kw	6 A	1400	28 bar	33	1" BSP (M) - 1" BSP (M)	28 kg
6138	400 Vac - 50 Hz	1,5 kw	5 A	1400	28 bar	33	1" BSP (M) - 1" BSP (M)	30 kg
6145	230 Vac - 50 Hz	2,2 kw	6 A	1400	28 bar	53	1" BSP (M) - 1" BSP (M)	30 kg
6149	400 Vac - 50 Hz	2,2 kw	5 A	1400	28 bar	53	1" BSP (M) - 1" BSP (M)	32 kg



33 l/min

Kit 6136

Kit 6136

Electric gear pump, art. no. 6135, equipped with kit art.no. 7373 consisting of pressure accumulator, inline oil filter, non-return valve, manometer, connection adapters and an electronic pressure switch that starts the pump once the control gun is activated and stops it again due to the pressure increase in the circuit once the gun is closed. The pressure accumulator guarantees a constant oil flow by avoiding continuous starts and stops of the motor that could cause damages in case of dispensing small quantities.

Includes a bypass valve preset on 28 bar pressure.

Electric cable with plug not included.



Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure	Delivery l/min	Connections IN - OUT	Weight
6136	230 Vac - 50 Hz	1,5 kw	6 A	1400	28 bar	33	1" BSP (M) - 3/4" (M) BSP	33 kg



Kit 3049
Kit 3050

Kit 3049

Encased oil supply kit, composed of: electric gear pump, art. no. 6136, metal and lockable cover, art. no. 7376, and safety switch of protection category IP 55, art. no. 7370, with 3 m - cable and plug.

Kit 3050

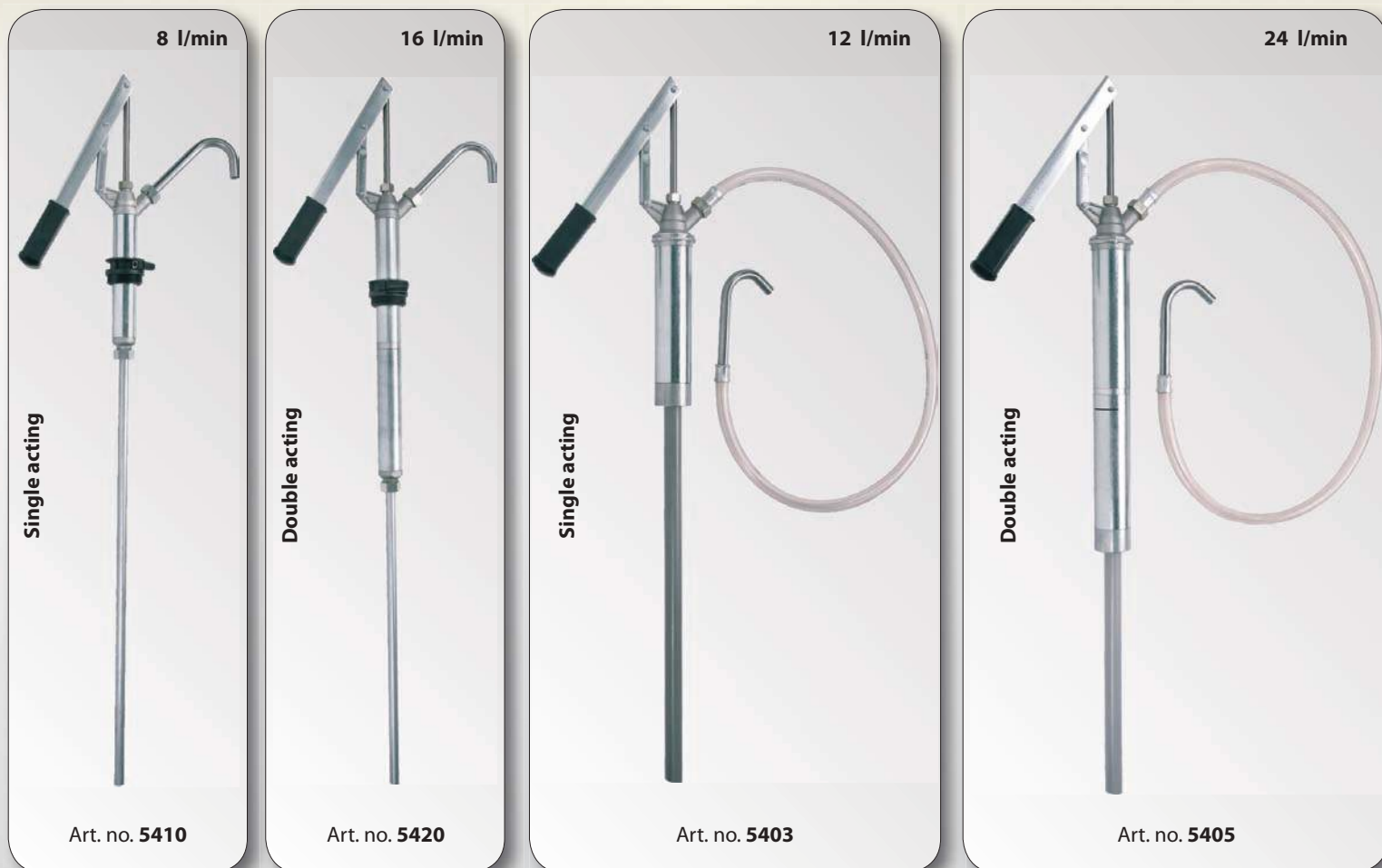
Encased oil supply kit, such as art. no. 3049, but including electric gear pump, art. no. 6145, with delivery 53 l/min. Ideal for pipework installations.



Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure	Delivery l/min	Connections IN - OUT	Weight
3049	230 Vac - 50 Hz	1,5 kw	6 A	1400	28 bar	33	1" BSP (M) - 1" BSP (M)	37 kg
3050	230 Vac - 50 Hz	2,2 kw	6 A	1400	28 bar	53	1" BSP (M) - 1" BSP (M)	39 kg

Manual lever action drum pumps, available as single action or double action versions, made of carbon steel with components in aluminium and seals in Viton®.

Main fields of application: transfers and dispenses of small quantities of oil or antifreeze from drums.



TECHNICAL DATA

Art. no.	5403	5405	5410	5420
Delivery/min.	12 l	24 l	8 l	16 l
Delivery/stroke	0,25 l	0,48 l	0,13 l	0,23 l
Connection lubricant outlet	3/4" BSP (M)			
Length suction tube	1000 mm			
Dimensions LxWxH (mm)	80x80x1350			
Suitable for drums of	208 l			
Weight	2,3 kg	2,3 kg	2,2 kg	2,2 kg

The a. m. performance values are based upon the following test conditions:
Hydraulic oil ISO 32 at 22°C -- free flow outlet



Art. no. 2824

Digital flow meter art. no. 2629 (see page 61!) with connection adapter for manual pumps, 1 m - outlet hose and rigid outlet with automatic anti-drip nozzle.



Example for application on pump.

Manual lever action and rotary drum pumps, made of carbon steel with components in aluminium.

Main fields of application: transfers and dispenses of small quantities of oil or diesel as well as gear oil (art. no. 5303) from drums.



Example for application on pump with flow meter art. no. 2823 (see page 155!)



TECHNICAL DATA

Art. no.	5409	5400	5450	5300	5301 5303
Delivery/min.	12 l	9 l	13,5 l	23 l	20 l/min
Delivery/stroke (rotation)	0,25 l	0,11 l	0,40 l	0,32 l	0,25 l
Connection lubricant outlet	3/4" BSP (M)	Hose tail Ø 20 mm			
Length suction tube	1000 mm				
Dimensions LxWxH (mm)	100x100x944	100x100x944	120x120x1110	300x220x1070	300x220x1070
Suitable for drums of	60/208 l	208 l	208 l	208 l	208 l
Weight	1,8 kg	1,3 kg	2,2 kg	3,8 kg	4,2 kg

The a. m. performance values are based upon the following test conditions:
Hydraulic oil ISO 32 at 22°C -- free flow outlet

Art. no. 5303

Rotary drum pump, art. no. 5301, with 1,5 m - outlet hose, ball valve and curved, rigid gear oil outlet pipe; suitable for the use with gear oil.

Manual oil dispensing units, consisting of a portable container with or without wheels and a lever action pump suitable for transfers and dispenses of small quantities of oil, in applications where no other power supply is available.



Art. no. 5200

Art. no. 5200

Portable oil dispensing unit, consisting of lever action oil pump, metal 16 l – container, 1,5 m – hose with curved rigid outlet pipe.

Art. no.	Delivery/ min	Delivery/stroke	Capacity container	Weight	Dimensions LxWxH (mm)
5200	8 l	0,13 l	16 l	7,3 kg	250x320x660



Art. no. 5216

Art. no. 5216

Mobile oil dispensing unit, consisting of lever action oil pump, metal 16 l – container, 1,5 m – hose with curved, rigid outlet pipe and trolley with 2 wheels.

Art. no.	Delivery/ min	Delivery/stroke	Capacity container	Weight	Dimensions LxWxH (mm)
5216	8 l	0,13 l	16 l	10 kg	500x460x880



Art. no. 5423

Art. no. 5423

Mobile oil dispensing unit, suitable for the use with gear oils, consisting of lever action oil pump, metal 24 l – container with 2 wheels and level indicator, 1,5 m – hose with curved, rigid gear oil outlet pipe and anti-drip shut-off valve, particularly suitable for ATF – filling.

Art. no.	Delivery/ min	Delivery/stroke	Capacity container	Weight	Dimensions LxWxH (mm)
5423	8 l	0,13 l	24 l	12 kg	380x410x770

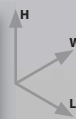


Art. no. 5434

Art. no. 5434

Mobile oil dispensing unit, suitable for the use with gear oils, consisting of lever action oil pump suitable for drums up to 60 l, trolley with 3 wheels and pump holder, 1,5 m – hose with curved, rigid gear oil outlet pipe, particularly suitable for ATF filling.

Art. no.	Delivery/ min	Delivery/stroke	Suitable for drums of	Weight	Dimensions LxWxH (mm)
5434	8 l	0,13 l	up to 60 l	14 kg	600x380x1010



Pneumatic oil dispensing units, consisting of a portable container with or without wheels that must be pressurized with compressed air, permitting an oil supply until the overpressure is carried to end. Suitable for transfers and dispenses of small quantities of oil.



Art. no. 3327

Mobile oil dispensing unit, consisting of 24 l – container with 2 wheels, level indicator, manometer, wide filling funnel, 1,6 m – rubber hose, oil control gun, art. no. 2105, with rigid outlet and automatic anti-drip nozzle. Max pressure 7 bar.

Art. no.	Max pressure	Capacity container	Weight	Dimensions LxWxH (mm)
3327	7 bar	24 l	9,8 kg	350x400x950



Art. no. 3396

Art. no. 3396

Mobile oil dispensing unit, consisting of 24 l – container with 2 wheels, level indicator, manometer, wide filling funnel, 1,6 m – rubber hose, oil control gun with digital flow meter, art. no. 2626, with rigid outlet and automatic anti-drip nozzle. Max pressure 7 bar.

Art. no.	Max pressure	Capacity container	Weight	Dimensions LxWxH (mm)
3396	7 bar	24 l	12 kg	350x400x950

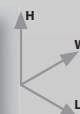


Art. no. 3358

Art. no. 3358

Mobile oil dispensing unit, consisting of 40 l – container with 2 wheels, level indicator, manometer, wide filling funnel, 1,6 m – rubber hose, oil control gun, art. no. 2105, with rigid outlet and automatic anti-drip nozzle. Max pressure 5 bar.

Art. no.	Max pressure	Capacity container	Weight	Dimensions LxWxH (mm)
3358	5 bar	40 l	18 kg	350x400x950

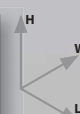


Art. no. 3359

Art. no. 3359

Mobile oil dispensing unit, consisting of 40 l – container with 2 wheels, level indicator, manometer, wide filling funnel, 1,6 m – rubber hose, oil control gun with digital flow meter, art. no. 2626, with rigid outlet and automatic anti-drip nozzle. Max pressure 5 bar.

Art. no.	Max pressure	Capacity container	Weight	Dimensions LxWxH (mm)
3359	5 bar	40 l	18,5 kg	380x400x1010





Art. no. 2182



Art. no. 2181



Art. no. 2185



Art. no. 2180

Art. no. 2180

Oil control gun, body in anodized aluminium, impact resistant, with trigger guard, cartridge filter, connections 1/2" BSP (F), max flow 50 l/min, max pressure 100 bar.

Improved version of former art. no. 2100 which allows an easier maintenance, offers the possibility of a gradual oil supply through the trigger, and permits to open the valve with a minimum effort.

Art. no. 2181

Oil control gun with 1/2" BSP (M) inlet swivel, flexible rubber outlet, Ø 1/2", with 90° stem and automatic anti-drip nozzle.

Art. no. 2182

Oil control gun, with 1/2" BSP (M) inlet swivel, flexible rubber outlet, Ø 1/2", with 90° stem and manual anti-drip nozzle.

Art. no. 2185

Oil control gun with 1/2" BSP (M) inlet swivel, rigid outlet, Ø 12 mm and automatic anti-drip nozzle.

Control guns for the use with antifreeze and windshield washer fluid are also available on demand!



Art. no. 2160



Art. no. 2159

Art. no. 2159

High delivery oil control gun, body in anodized aluminium, connections 1" BSP (F), max. flow 100 l/min, max. pressure 140 bar.

Art. no. 2160

High delivery oil control gun with 1" BSP (M) inlet swivel, flexible rubber outlet, Ø 1", with connections 1" BSP (M), manual anti-drip nozzle with ventilation screw.



Art. no. 2162



Art. no. 2161

Art. no. 2161

High delivery oil control gun, body in anodized steel, with 1" BSP (M) inlet swivel, rigid outlet, Ø 20 mm, and automatic anti-drip nozzle.

Art. no. 2162

High delivery oil control gun, body in anodized steel, with 1" BSP (M) inlet swivel, flexible rubber outlet, Ø 1", with connections 1" BSP (M) and automatic anti-drip nozzle.



Art. no. **2114** Automatic anti-drip nozzle, suitable for outlets of Ø 12 mm.
Connection M 10x1 (F).

Art. no. **2116** Manual anti-drip nozzle with screw regulation, suitable for outlets of Ø 12 mm.
Connection M 10x1 (F).

Art. no. **2117** Automatic anti-drip nozzle, suitable for outlets of Ø 16 mm.
Connection M 16x1 (F).

Art. no. **2119** Manual anti-drip nozzle with screw regulation.
Connection 1/2" BSP (M).

Art. no. **2121** Manual anti-drip nozzle, suitable for outlets of Ø 12 mm.
Connection M 10x1 (F).



Art. no. **2104** Straight flexible rubber outlet, length 300 mm, with manual anti-drip nozzle with screw regulation. Connection 1/2" BSP (M).

Art. no. **2108** Curved rigid outlet, Ø 12 mm, with automatic anti-drip nozzle.

Art. no. **2110** Standard rigid outlet, Ø 12 mm, with automatic anti-drip nozzle.

Art. no. **2115** Rigid outlet, Ø 16 mm, with automatic anti-drip nozzle.

Art. no. **2132** Flexible rubber outlet, Ø 1/2", with curved rigid 90° stem and automatic anti-drip nozzle. Connection 1/2" BSP (M).

Art. no. **2133** Flexible rubber outlet, Ø 1/2", with curved rigid 90° stem and manual anti-drip nozzle with screw regulation. Connection 1/2" BSP (M).

Art. no. **2140** Inline oil flow control tube, with transparent insert.

Art. no. **2142** Flexible outlet, Ø 1/2", with curved rigid 90° stem and manual anti-drip nozzle. Connection 1/2" BSP (M).



Art. no. **1107** Inlet swivel, in stainless steel AISI 304, connections 1/2" BSP (M), max static pressure 200 bar.

Art. no. **2106** Inlet swivel, in galvanized steel, connections 1/2" BSP (M), max static pressure 200 bar.



Art. no. **2107/35** Inlet swivel, in galvanized steel, connections 3/4" BSP (M) – 1" BSP (M), max static pressure 150 bar.

Art. no. **2107/36** Inlet swivel, in galvanized steel, connections 1" BSP (M) – 1" BSP (M), max static pressure 150 bar.

Electronic device developed for the metering of fluids, particularly in applications where an immediate control of the supplied fluid is required.

The function is based upon the oval gears measuring system combined with a probe that is measuring electromagnetic pulses monitored by an electronic component which indicates the quantity of each individual fluid dispense (single operation), the quantity of a sum of dispenses (partial totalizer) and the total of all dispenses ever made (absolute totalizer).

The Flexbimec flow meters are high quality measuring devices for the quantity control of lubricant dispenses. In all model series, "Oil Gate", "Oil Bit Plus" and "Oil HFlow" it is possible to display 3 different totals which show the quantities of the carried out fluid dispenses in the desired mode. In the series "Oil DT" simultaneously 2 different totals (single operation and absolute total) are visible on the display.

Quantity of each individual operation (single operation):

The lubricant is supplied directly from the storage container and passes through the flow meter where the dispensed quantity is displayed as soon as the trigger of the control gun is manually released.

Quantity of a sum of dispenses (partial totalizer):

This mode accumulates a number of individual operations and can be reset to zero periodically. It enables the user to display a daily, weekly or monthly quantity of dispenses.

Quantity of all dispenses ever made (absolute totalizer):

In this mode all dispenses made since the first use of the flow meter are displayed as an inventory value that cannot be reset to zero and so show a balancing of the fluid consumption.

Preset of the quantity:

In the flow meter models with preset function a small, but effective element of automation is added which permits the user to predetermine the desired dispensing quantity and to stop the flow automatically once the preset quantity has been reached.

The flow meters are factory calibrated with hydraulic oil ISO 32. Anyway, they can easily be re-calibrated by the user according to the lubricant type used.

Also it is possible to change the measuring unit from liters quickly into gallons, pints or quarts using the push buttons of the display.

The new series "MID MI-005" is a product line of flow meters for the supply of oils which are **approved for fiscal transactions** according to the European Directive 2004/22/EC, better known as **Measurement Instrument Directive (MID) MI-005**.



Oil DT



Art. no. **2626**
Oil

Art. no. **2630**
Antifreeze

Art. no. **2626**

Electronic oval gears flow meter for oil, series **"Oil DT"**, with control gun, rigid outlet Ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M). The new series "Oil DT" features the following advantages compared to the previous series:

- Control gun (art. no. 2180) includes a trigger guard, allows an easier maintenance, offers the possibility of a gradual oil supply through the trigger, and permits to open the valve with a minimum effort;
- Flow meter with enlarged display, with simultaneous visibility of 2 different totals (single operation and absolute total);
- possibility of changing the measuring unit (liters, quarts, pints, gallons);
- Improved accuracy and repeatability of the measurement;
- Pressure drop.

Art. no. **2630**

Electronic oval gears flow meter for antifreeze, series "Oil DT", with control gun, rigid outlet Ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Technical data	
Art. no.	2626 - 2629 - 2630 - 2633
Connections	1/2" BSP (M)
Flow range (l/min)	1 - 30
Operating temperature range	+ 10°C / + 50°C
Max working pressure (bar)	70
Accuracy	+/- 0,5%
Total max resettable	9999 l
Total max non- resettable	9999 l
Weight	1,4 Kg

Not approved for fiscal transactions



Art. no. **2629**

Art. no. **2629**

Electronic oval gears flow meter for oil, series **"Oil DT"**, suitable for inline applications, connections 1/2" BSP.



Art. no. **2633**

Art. no. **2633**

Electronic oval gears flow meter for oil, series **"Oil DT"**, with control gun, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Oil Bit Plus



Art. no. **2826**
Oil

Art. no. **2830**
Antifreeze

Art. no. **2826**

Electronic oval gears flow meter for oil, series "Oil Bit Plus", with control gun, rubber protection guard, trigger guard, rigid outlet Ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

The flow meters of the "Oil Bit Plus" series offer the following additional advantages compared to those of the "Oil DT" series:

- Rubber protection guard for the meter included,
- Higher measurement accuracy due to three decimal digits.

Technical data

Art. nos.	2826 – 2829 – 2830 – 2831
Connections	1/2" BSP (M)
Flow range (l/min)	1 - 30
Operating temperature range	+ 10°C / + 50°C
Max working pressure (bar)	70
Accuracy	+/- 0,5%
Total max resettable	9999 l
Total max non - resettable	9999 l
Weight	1,5 Kg

Not approved for fiscal transactions



Art. no. **2829**

Art. no. **2829**

Electronic oval gears flow meter for oil, series "Oil Bit Plus", suitable for inline applications, connections 1/2" BSP.



Art. no. **2831**

Art. no. **2831**

Electronic oval gears flow meter for oil, series "Oil Bit Plus", with control gun, rubber protection guard, trigger guard, straight flexible rubber outlet, Ø 1/2", with manual anti-drip nozzle with screw regulation and inlet swivel 1/2" BSP (M).

Oil Gate



Art. no. **2937**
Oil

Art. no. **2942**
Antifreeze

Art. no. **2937**

Electronic oval gears preset flow meter for oil, series "Oil Gate", with control gun, rubber protection guard, trigger guard, rigid outlet Ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

The preset function is adding a small, but effective element of automation which permits the user to predetermine the desired dispensing quantity and to stop the flow automatically once the preset quantity has been reached.

Re-calibration by the user is possible.

Art. no. **2942**

Electronic oval gears preset flow meter for antifreeze, series "Oil Gate", with control gun, rubber protection guard, trigger guard, rigid outlet Ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

Technical data	
Art. nos.	2836 - 2937 - 2942
Connections	1/2" BSP (F)
Flow range (l/min)	1 - 30
Operating temperature range	+ 10°C / + 50°C
Max. working pressure (bar)	70
Accuracy	+/- 0,5%
Total max. resettable	9999 l
Total max. non- resettable	9999 l
Weight	1,6 Kg

Not approved for fiscal transactions



Art. no. **2836**

Art. no. **2836**

Electronic oval gears preset flow meter for oil, series "Oil Gate", with control gun, rubber protection guard, trigger guard, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).



Oil Hflow



Art. no. 2854

Art. no. 2854

Electronic oval gears high delivery flow meter for oil, series "Oil HFlow", with control gun 1" BSP, trigger guard, rigid outlet Ø 20 mm, automatic anti-drip nozzle and 1" BSP (M) inlet swivel.

This high volume series allows to accelerate the oil supplies by the use of a flow meter that guarantees high accuracy measurement even at high flow rates.



Technical data			
Art. nos.	2851	2854	2855
Connections	1" BSP		
Flow range (l/min)	20 - 70		
Operating temperature range	+ 10°C / + 50°C		
Max working pressure (bar)	70		
Accuracy	+/- 0,5%		
Total max resettable	9999 l		
Total max non- resettable	9999 l		
Weight	1,6 Kg	3,9 Kg	3,9 Kg



Art. no. 2851

Art. no. 2851

Electronic oval gears high delivery flow meter for oil, series "Oil HFlow", suitable for inline applications, connections 1" BSP (F).



Art. no. 2855

Art. no. 2855

Electronic oval gears high delivery flow meter for oil, series "Oil HFlow", with control gun 1" BSP, trigger guard, flexible rubber outlet Ø 3/4", automatic anti-drip nozzle and 1" BSP (M) inlet swivel.

The **European Directive 2004/22/EC**, better known as Directive MID (Measuring Instruments Directive), is a community norm responding to reasons of public interest, safety and order, protection of the environment and the consumer, of levying taxes and duties and of fair trading, which directly and indirectly affect the daily life of citizens in many ways, may require the use of legally controlled measuring instruments.

The **MID - MI005** involves measuring systems for continuous and dynamic measurement of quantities of liquids other than water, particularly lubricant oils.

The **Flexbimec oil flow meter series "MID - MI005"** meets all metrological standards and requirements concerning accuracy defined in the Directive and can be used therefore as approved meters also in fiscal transactions.



Art. no. 2545

Electronic oval gears flow meter for oil, **approved for fiscal transactions according to MID MI-005, directive 2004/22/CE**, with control gun, rubber protection guard, trigger guard, oil flow control tube with transparent insert, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

The flow meter entirely meets the requirements of the **OIML R117-1** (Dynamic measuring systems for liquids other than water – Part 1: Metrological and technical requirements, edition 2007) and **Welmec 7.2** software guide, May 2011.

For the conformance with the specifications of the Directive it is necessary to use the approved flow meter always in combination with a pump that is equipped with an approved air separator unit which can assure the required working conditions (see also pages 44 and 52!).

In order to facilitate the choice of suitable, MID – approved components, in this catalogue can be found also a variety of complete MID – approved kits for the supply of lubricants.

On demand the flow meters of series "MID – MI005" can be equipped with a data transmission system that allows to store the data of all single operations on a suitable electronic device (PC, tablet etc.).

CE test certificate no.: MID B_16_2
MID certificate no.: CE M14 0476



Operating conditions for the use	
Viscosity range of lubricants	94 – 185 mPa*s
Flow range	0,5 – 5 l/min
Min. measurable quantity	0,5 l
Accuracy class	0,5 (MID-MI005 – OIML R117-1)
Operating temperature range	+ 5°C / + 40°C
Working pressure range	1 – 20 bar
Display resolution degree	0,005 l
Mechanical environment category	M1
Electromagnetic environment category	E2
Checksum code	cksum E57E
Protection category	IP 64
Underlying CE directives	2004/108/CE 2006/95/CE
Underlying CE norms	CEI EN 61000-4-2 CEI EN 61000-4-2 A1 CEI EN 61000-4-2 A2 CEI EN 61000-4-3
Quantity of storable single operations data	2000
Composition of storable single operations data	<ul style="list-style-type: none"> Serial number of single dispense; Year of dispense; Month and day of dispense; Time of dispense; Dispensed quantity of single operation; Absolute total of dispensed quantities.

Art. no. 2710

Mechanical oval gears flow meter, with body in aluminium, for oil and antifreeze, with two totalizers.



Art. no. 2710

Art. no.	Connections	Max flow (l/min)	Operating temperature range	Max working pressure (bar)	Accuracy	Total max resettable	Total max non resettable	Weight
2710	1/2" BSP (F)	15	+10°C / +50°C	50	+ / - 0,5%	999,9 l	999999 l	0,68 Kg

Art. no. 2712

Mechanical oval gears flow meter, for oil and antifreeze, with control gun, rigid outlet, Ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M). Composed of art. nos. 2710 and 2105.



Art. no. 2712

Art. no.	Connections	Max flow (l/min)	Operating temperature range	Max working pressure (bar)	Accuracy	Total max resettable	Total max non resettable	Weight
2712	1/2" BSP (F)	15	+10°C / +50°C	50	+ / - 0,5%	999,9 l	999999 l	1,1 Kg

Art. no. 2703

Mechanical, analogical flow meter for oil and antifreeze, with two totalizers, suitable for inline applications.



Art. no. 2703

Art. no.	Connections	Max flow (l/min)	Operating temperature range	Max working pressure (bar)	Accuracy	Total max resettable	Total max non resettable	Weight
2703	1/2" BSP (F)	15	+10°C / +50°C	70	+ / - 0,5%	0-10 l	9999 l	0,86 Kg

Art. no. 2608

Mechanical, analogical flow meter for oil and antifreeze, with control gun, rigid outlet Ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M). Composed of art. nos. 2703 and 2105.



Art. no. 2608

Art. no.	Connections	Max flow (l/min)	Operating temperature range	Max working pressure (bar)	Accuracy	Total max resettable	Total max non resettable	Weight
2608	1/2" BSP (F)	15	+10°C / +50°C	70	+ / - 0,5%	0-10 l	9999 l	1,6 Kg

Art. no. 2508

Mechanical, analogical preset flow meter for oil, with integrated control gun, trigger guard, rigid outlet Ø 12 mm, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M). Preset values 0 – 60 l. This model with integrated control gun, but without preset function is available on demand as well (art. no. 2507).



Art. no. 2508

Art. no.	Connections	Max flow (l/min)	Operating temperature range	Max working pressure (bar)	Accuracy	Total max resettable	Total max non resettable	Weight
2508	1/2" BSP (F)	15	+10°C / +50°C	70	+ / - 0,5%	0-16 l 0-60 l	9999 l	1,6 Kg

Art. no. 2954

Electronic oval gears flow meter with pulse transmitter, suitable for oil and antifreeze. Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.

Art. no.	Connections	Max flow (l/min)	Operating temperature range	Max working pressure (bar)	Accuracy	Number of pulses	Weight
2954	1/2" BSP (F)	20	+10°C / +50°C	70	+ / - 0,5%	78/l	0,6 Kg

Art. no. 2955

Electronic oval gears flow meter with pulse transmitter, suitable for oil and antifreeze, including a solenoid valve, an inline filter and a wall bracket. Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.

Art. no.	Connections	Max flow (l/min)	Operating temperature range	Max working pressure (bar)	Accuracy	Number of pulses	Weight
2955	1/2" BSP (F)	20	+10°C / +50°C	70	+ / - 0,5%	78/l	1,2 Kg

Art. no. 2959

Electronic oval gears flow meter with pulse transmitter, body in stainless steel AISI 303. Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.

Art. no.	Connections	Max flow (l/min)	Operating temperature range	Max working pressure (bar)	Accuracy	Number of pulses	Weight
2959	1/2" BSP (F)	20	+10°C / +50°C	70	+ / - 0,5%	78/l	1,3 Kg

Art. no. 2957

Electronic oval gears flow meter with pulse transmitter, body in stainless steel AISI 303, including a stainless steel solenoid valve and a wall bracket; suitable for the use with water-based fluids and AdBlue® (DEF). Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.

Art. no.	Connections	Max flow (l/min)	Operating temperature range	Max working pressure (bar)	Accuracy	Number of pulses	Weight
2957	1/2" BSP (F)	20	+10°C / +50°C	70	+ / - 0,5%	78/l	1,2 Kg

Art. no. 2853

Electronic oval gears high delivery flow meter with pulse transmitter, suitable for oil, diesel and antifreeze. Appropriate to the use in combination with electronic oil monitoring systems by the use of an external receiver.

Art. no.	Connections	Max flow (l/min)	Operating temperature range	Max working pressure (bar)	Accuracy	Number of pulses	Weight
2853	1/2" BSP (F)	70	+10°C / +50°C	50	+ / - 0,5%	39/l	1,6 Kg

High pressure rubber hoses SAE 100 R1 AT, with female, straight BSP – connections, suitable for the supply of oil, diesel, petrol and water. Ideal for the connection on pumps or hose reels.

Internal structure and coating: synthetic rubber, resistant to oil, diesel, petrol and hydraulic fluids.
Reinforcement: 1 steel wire braided, highly resistant layer.

HOW TO ORDER

Length	Ø 1/2" Art. no.	Ø 3/4" Art. no.	Ø 1" Art. no.	Ø 1 1/4" Art. no.
0,5 m	287005	289005	2895005	281401
1 m	28701	28901	289501	2814005
1,5 m	287015	289015	2895015	2814015
2 m	28702	28902	289502	281402
3 m	28703	28903	289503	281403
5 m	28705	28905	289505	281405
6 m	28706	28906	289506	281406
7 m	28707	28907	289507	281410
10 m	28710	28910	289510	281415
15 m	28715	28915	289515	281420
20 m	28720	28920	289520	281425
25 m	28725	28925	289525	281430
30 m	28730	28930	289530	281435
40 m	28740	28940	289540	281440

Other lengths available on demand!

TECHNICAL DATA

Nominal diameter	1/2"	3/4"	1"	1 1/4"
Internal diameter (mm)	12,7 mm	19 mm	25 mm	31,8 mm
Wire braid diameter (mm)	18,3 mm	25,4 mm	33,3 mm	40,5 mm
External diameter (mm)	20,6 mm	27,7 mm	35,6 mm	43,5 mm
Working pressure (bar)	160 bar	105 bar	88 bar	63 bar
Test pressure (bar)	385 bar	255 bar	190 bar	120 bar
Burst pressure (bar)	640 bar	420 bar	350 bar	250 bar
Min. bending radius (mm)	180 mm	240 mm	300 mm	420 mm
Working temperature	min -40°C max +100°C	min -40°C max +100°C	min -40°C max +100°C	min -40°C max +100°C
Weight (kg/m)	0,430 Kg/m	0,610 Kg/m	0,940 Kg/m	1,19 kg/m

Type C



Type A



Type B



Type D



Type A Double male connection adapter, BSP, galvanized steel

Art. no. **9910** 1/2" x 1/2"
Art. no. **9911** 1/2" x 3/8"
Art. no. **9912** 1/2" x 1/4"
Art. no. **9915** 1/2" x 3/4"
Art. no. **9924** 1" x 3/4"
Art. no. **9925** 3/4" x 3/4"
Art. no. **9927** 1" x 1"
Art. no. **9928** 1" x 1/2"
Art. no. **9948** 1" 1/4" x 1"

Type B Male – female swivel connection adapter, BSP, galvanized steel

Art. no. **9901** 1/2" x 1/2"

Type C Male – female connection adapter, BSP, galvanized steel

Art. no. **9905** 1/2" x 1/4"
Art. no. **9906** 1/2" x 3/8"
Art. no. **9902** 1/2" x 1/2"
Art. no. **9903** 1/2" x 3/4"

Type D 90° curved male – female connection adapter, BSP, galvanized steel

Art. no. **9939** 1/2" x 1/2"



Automatic, spring – driven hose reel, standard series, in painted steel, including rubber hoses SAE 100 R1 AT with female connection threads, suitable for the supply of oil and antifreeze.



Art. no.	Ø hose	Length hose	Max working pressure	Reel width	Ø reel	Art. no. suitable swivel bracket	Weight	Dimensions (LxWxH) (mm)
9016+28708	1/2"	8 m	160 bar	120 mm	450 mm	9767	18 kg	244x490x480
9016+28710	1/2"	10 m	160 bar	120 mm	450 mm	9767	18 kg	244x490x480
9016+28715	1/2"	15 m	160 bar	120 mm	450 mm	9767	20 kg	244x490x480
9021+28720	1/2"	20 m	160 bar	150 mm	450 mm	9768	27 kg	274x490x480



Automatic, spring – driven hose reel, adjustable arms series, in painted steel, including rubber hoses SAE 100 R1 AT with female connection threads, suitable for the supply of oil and antifreeze.



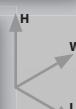
Art. no.	Ø hose	Length hose	Max working pressure	Reel width	Ø reel	Art. no. suitable swivel bracket	Weight	Dimensions (LxWxH) (mm)
9090+28708	1/2"	8 m	160 bar	120 mm	450 mm	9767	18 kg	244x490x480
9090+28710	1/2"	10 m	160 bar	120 mm	450 mm	9767	18 kg	244x490x480
9091+28715	1/2"	15 m	160 bar	120 mm	450 mm	9767	20 kg	244x490x480
9092+28720	1/2"	20 m	160 bar	150 mm	450 mm	9768	27 kg	244x490x480
9093+28725	1/2"	25 m	160 bar	150 mm	450 mm	9768	32 kg	274x490x480



Automatic, spring – driven hose reel, enclosed series, in painted steel, including rubber hoses SAE 100 R1 AT with female connection threads, suitable for the supply of oil and antifreeze.



Art. no.	Ø hose	Length hose	Max working pressure	Reel width	Ø reel	Art. no. suitable swivel bracket	Weight	Dimensions (LxWxH) (mm)
9013+28708	1/2"	8 m	160 bar	120 mm	450 mm	9778	31 kg	130x550x450
9013+28710	1/2"	10 m	160 bar	120 mm	450 mm	9778	31 kg	130x550x450
9013+28715	1/2"	15 m	160 bar	120 mm	450 mm	9778	33 kg	130x550x450
9023+28720	1/2"	20 m	160 bar	150 mm	450 mm	9778	36 kg	160x550x450



For other hose reel models please see chapter "Hose reels" on page 208!



Art. no. 5604 OIL TEST – Sample recovery pump

This device is used for taking samples of oil from machines or mechanical systems by sucking it out with the included suction pump into a small plastic bottle which then can be sent to a laboratory for analyzing its quality.

The small plastic bottle with connection adapter is available on demand.



Art. no. 5650

Suction gun, single acting, capacity 800 ml, Ø tube 57 mm, with flexible outlet. Suitable for the use with oil, fuel, antifreeze and windshield washer fluid.

Art. no. 5670 - 5671

Suction gun, in brass, single acting, Ø tube 50 mm, with straight rigid outlet. Suitable for the use with oil, fuel, antifreeze and windshield washer fluid.

Art. no. 5670 capacity 500 ml

Art. no. 5671 capacity 1000 ml

Art. no. 5658 - 5659

Suction gun, in aluminium, double acting, Ø tube 55 mm, with two plastic hoses for suction and discharge. Suitable for the use with oil, fuel, petrol, antifreeze and windshield washer fluid.

Art. no. 5658 capacity 500 ml

Art. no. 5659 capacity 1000 ml



Art. no. 5675 - 5676 - 5677

Push type grease gun, in galvanized steel, with pointed coupler (for grease nipples DIN 3405) and hollow-type coupler (for grease nipples DIN 71412), connection M 10x1. Suitable for the use with grease and oil.

Art. no. 5675 capacity 80 ml

Art. no. 5675 capacity 150 ml

Art. no. 5675 capacity 300 ml

Art. no. 5680

Push type grease gun, in plastic, capacity 50 ml, with hollow-type coupler (for grease nipples DIN 71412), connection M 10x1. Suitable for the use with grease and oil.



Art. no. 5678 - 5679

Suction gun, single acting, with transparent, graduated plastic tube, plastic hose and metal outlet pipe. Suitable for the use with oil, fuel, antifreeze and windshield washer fluid.

Art. no. 5678 capacity 500 ml

Art. no. 5679 capacity 1000 ml



Art. no. 5688 - 5689

Precision pump action oiler, container in high density polyethylene with level indicator, with rotating brass pump and rigid brass outlet. The rotating pump permits the use of the oiler in any position.

Art. no. 5688 capacity 300 ml

Art. no. 5689 capacity 500 ml



Art. no. **3408**

Graduated measure, in high density polyethylene, with funnel type outlet and flexible extension.

Art. no. 3408/1 Capacity 1 l

Art. no. 3408/2 Capacity 2 l

Art. no. 3408/3 Capacity 3 l

Art. no. 3408/5 Capacity 5 l



Art. no. **3425-3426-3427-3428-3429-3430**

Graduated, transparent measure, in oil and acid resistant polyethylene, stackable and unbreakable. Temperature range: -10° C - +120°C.

Art. no. 3425 Capacity 0,25 l - scale graduation 5 ml

Art. no. 3426 Capacity 0,50 l - scale graduation 10 ml

Art. no. 3427 Capacity 1 l - scale graduation 10 ml

Art. no. 3428 Capacity 2 l - scale graduation 20 ml

Art. no. 3429 Capacity 3 l - scale graduation 50 ml

Art. no. 3430 Capacity 5 l - scale graduation 100 ml



Art. no. **3447 - 3448 - 3449**

Graduated measure, in high density polyethylene, with funnel type outlet, flexible extension with cap, protection cover. Suitable for the use with oil, fuel, antifreeze, windshield washer fluid, break fluid, battery fluid.

Art. no. 3447 Capacity 1 l

Art. no. 3448 Capacity 2 l

Art. no. 3449 Capacity 5 l



Art. no. **3433**

Metal funnel, Ø 170 mm, capacity 1,2 l, with removable brass filter, plastic outlet and flexible, metal spout

Art. no. **3435**

Funnel, in polyethylene, Ø 180 mm, with flexible spout incl. cap and protection cover.

Art. no. **3436**

Funnel, in polyethylene, Ø 220 mm, with flexible spout incl. cap and protection cover.



Art. no. **5685**

Pump action oiler, container in painted steel, capacity 500 ml, with flexible outlet.

Art. no. **5686**

Pump action oiler, container in polyethylene, capacity 500 ml, with flexible outlet.

Art. no. **5687**

Pump action oiler, container in polyethylene, capacity 250 ml, with flexible outlet.

Art. no. 2301



Art. no. 2302

Art. no. 2302

Wall-mounted dispensing bar, suitable for oil and antifreeze, equipped with 1 spring operated spigot with splash guard filter and drain valve for drip tray. Inlet connections 3/4" BSP (F). The unit is prepared for the installation of 2 more spigots.

Optional: Plastic measures (see page 71!) and flow meters (art. no. 2629; see page 61!) are available as accessories on demand!

Art. no.	Weight	Dimensions (LxWxH) (mm)
2302	11 kg	500x300x500



Art. no. 2301

Spring operated spigot, in galvanized steel, with splash guard filter, max pressure 8 bar, for the use with oil and antifreeze.

Art. no. 2301X

Spring operated spigot, in stainless steel, with splash guard filter, max pressure 8 bar, for the use with windshield washer fluid.

It is recommended to use the system only in combination with pumps of ratio 1:1.



Art. no. 2301

Art. no. 2363



Art. no. 2363

Drum dispensing bar for 208 l - drums, suitable for oil and antifreeze, consisting of:

- 1:1 - pneumatic pump, double acting, art. no. 2043/L (see page 40!);
- spring operated spigot, in galvanized steel, with splash guard filter, with prolongation tube for pump connection and connection adapters, art. no. 2303;
- pressure regulator and air filter with moisture separator, art. no. 7180;
- drip tray and bung adapter for fixation on drum.

Optional: Plastic measures (see page 71!) and plastic cans are available as accessories on demand!

Art. no. 2303

Spring operated spigot, in galvanized steel, with splash guard filter, max. pressure 8 bar, with prolongation tube for pump connection and connection adapters.



Art. no. 2303

Art. no. 8545

Oil dispensing kit, suitable for the dispensing of 2 oil types from 208 l - drums, with spill containment pallet, consisting of:

- Tank Service Base for 2 drums of 208 l, art. no. 8533, with metal mounting rack;
- 2 pcs. of pneumatic 1:1 - oil pumps, art. no. 2044 (see page 40!);
- 2 pcs. of suction tube with bung adapters for drums, art. no. 2204;
- 2 pcs. of suction hoses for connection pump - suction tube, art. no. 2205;
- 1 pc. of wall-mounted dispensing bar, art. no. 2302, equipped with 2 spigots, art. no. 2301;
- 2 pcs. of pressure regulators with manometer and condensation water separator, art. no. 7180;
- 2 pcs. of connection hoses for the connection of pump and dispensing bar.

Optional:

- 2 pcs. of electronic oil flow meters, art. no. 2629, to be installed on the dispensing bar (see page 61!);
- 2 plastic measures (see page 71!) or plastic cans.

Art. no. 8545





Art. no. **2980C**

Art. no. **2980C**

Stationary pneumatic oil dispensing kit for 208 l - drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 41!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- 3 m - rubber hose 1/2", art. no. 28703;
- Oil control gun with 1/2" BSP (M) inlet swivel, rigid outlet and automatic anti-drip nozzle, art. no. 2105;
- Pressure regulator with manometer and condensation water separator, art. no. 7180.

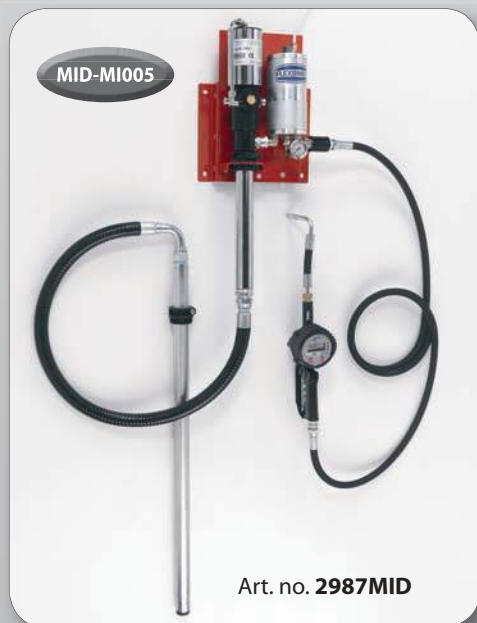


Art. no. **2982**

Art. no. **2982**

Stationary pneumatic oil dispensing kit with electronic oil flow meter, for 208 l - drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 41!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- 3 m - rubber hose 1/2", art. no. 28703;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2826 (see page 62!);
- Pressure regulator with manometer and condensation water separator, art. no. 7180.



Art. no. **2987MID**

Art. no. **2987MID**

Stationary pneumatic oil dispensing kit, **approved for fiscal transactions** according to the European Directive 2004/22/EC, better known as **Measurement Instrument Directive (MID) MI-005**, consisting of:

- Pneumatic double acting 5:1 - oil pump, art. no. 2061 (see page 44!);
- Wall bracket in painted steel, for the fixation of the pump;
- Air separator kit with automatic pump stop device (stopping the pump as soon as air is sucked into the suction line due to an empty drum or tank), art. no. 2051, approved according to OIML R117-1 (see page 44!);
- manometer for outlet pressure control;
- Suction tube in galvanized steel, Ø 40 mm, length 950 mm, with 90° - curved connection 1" BSP (M), with foot valve, art. no. 2204, and bung adapter 2" BSP (M) x 40 mm, art. no. 4340, suitable for the use in 208 l - drums;
- 1, 5 m - rubber suction hose 1", connections 1" BSP (F-F), art. no. 2205;
- 3 m - rubber hose 1/2", art. no. 28703;
- Electronic oval gears flow meter for oil, approved for fiscal transactions **according to MID MI-005, directive 2004/22/CE**, with control gun, rubber protection guard, trigger guard, oil flow control tube with transparent insert, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2545 (see page 65!).

Art. no. 2971

Mobile pneumatic oil dispensing kit with electronic oil flow meter, for 60 l - drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2030 (see page 41!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Trolley with 4 wheels, art. no. 4360;
- 3 m - rubber hose 1/2", art. no. 28703;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2826 (see page 62!);
- Pressure regulator with manometer and condensation water separator, art. no. 7180.



Art. no. 2971

Art. no.	Weight	Dimensions (LxWxH) (mm)
2971	29 Kg	600x600x1050



Art. no. 2971MID

Mobile pneumatic oil dispensing kit, with electronic oil flow meter, for 60 l - drums, **approved for fiscal transactions** according to the European Directive 2004/22/EC, better known as **Measurement Instrument Directive (MID) MI-005**, consisting of:

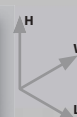
- Pneumatic double acting 3:1 - oil pump, art. no. 2030 (see page 41!);
- Air separator kit, art. no. 2050, approved according to OIML R117-1 (see page 44!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Trolley with 4 wheels, art. no. 4360;
- 3 m - rubber hose 1/2", art. no. 28703;
- Electronic oval gears flow meter for oil, approved for fiscal transactions according to **MID MI-005, directive 2004/22/CE**, with control gun, rubber protection guard, trigger guard, oil flow control tube with transparent insert, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2545 (see page 65!);
- Pressure regulator with manometer and condensation water separator, art. no. 7180.

The configuration of components in this kit meets all metrological standards and requirements concerning accuracy defined in the **Directive MID MI-005** and can be used therefore as approved system also in fiscal transactions.



Art. no. 2971MID

Art. no.	Weight	Dimensions (LxWxH) (mm)
2971MID	32 Kg	600x600x1050



Art. no. **5463**

Mobile pneumatic oil dispensing kit with metal 65 l – container, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2030 (see page 41!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Metal container with 3 wheels, capacity 65 l, with level indicator;
- 3 m – rubber hose 1/2", art. no. 28703;
- Electronic flow meter for oil, with control gun, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2726 (see page 61!);
- Pressure regulator with manometer and condensation water separator, art. no. 7180.



Art. no. **5463**

Art. no.	Weight	Dimensions (LxWxH) (mm)
5463	31 Kg	600x550x1330



MID-MI005



Art. no. **5463MID**

Art. no. **5463MID**

Mobile pneumatic oil dispensing kit, with metal 65 l – container, **approved for fiscal transactions** according to the European Directive 2004/22/EC, better known as **Measurement Instrument Directive (MID) MI-005**, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2030 (see page 41!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Metal container with 3 wheels, capacity 65 l, with level indicator;
- Air separator kit, art. no. 2050, approved according to OIML R117-1 (see page 44!);
- 3 m – rubber hose 1/2", art. no. 28703;
- Electronic oval gears flow meter for oil, approved for fiscal transactions according to **MID MI-005, directive 2004/22/CE**, with control gun, rubber protection guard, trigger guard, oil flow control tube with transparent insert, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2545 (see page 65!);
- Pressure regulator with manometer and condensation water separator, art. no. 7180.

The configuration of components in this kit meets all metrological standards and requirements concerning accuracy defined in the **Directive MID MI-005** and can be used therefore as approved system also in fiscal transactions.

Art. no.	Weight	Dimensions (LxWxH) (mm)
5463MID	35 Kg	600x550x1330



Art. no. 2912

Mobile pneumatic oil dispensing kit, for 208 l – drums, with heavy duty trolley equipped with bigger wheels suitable also for the use on rough surfaces, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 41!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Heavy duty trolley with 4 wheels and grate, art. no. 4389;
- 3 m – rubber hose 1/2", art. no. 28703;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2826 (see page 62);
- Pressure regulator with manometer, condensation water separator and lubricator, art. no. 7150.



Art. no. 2912

Art. no.	Weight	Dimensions (LxWxH) (mm)
2912	42 Kg	790x900x1400



Art. no. 2991

Mobile pneumatic oil dispensing kit with standard trolley, for 208 l - drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 41);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Trolley with 4 wheels, art. no. 4380;
- 3 m – rubber hose 1/2", art. no. 28703;
- Electronic flow meter for oil, with control gun, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2626 (see page 61);
- Pressure regulator with manometer and condensation water separator, art. no. 7180.



Art. no. 2991

Art. no. 2993

Mobile pneumatic oil dispensing kit, such as art. no. 2991, but with oil control gun, art. no. 2105, without oil flow meter and without pressure regulator with manometer and condensation water separator, art. no. 7180.

Art. no..	Weight	Dimensions (LxWxH) (mm)
2991	36 Kg	900x830x1400
2993	35 Kg	900x830x1400



Art. no. 2993

Art. no. 2991X

Mobile pneumatic oil dispensing kit with standard trolley, for 208 l – drums, with air separator kit, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 41);
- Air separator kit, art. no. 2052;
- Manometer for outlet pressure control;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Trolley with 4 wheels, art. no. 4380;
- 3 m – rubber hose 1/2", art. no. 28703;
- Electronic flow meter for oil, with control gun, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2626 (see page 61);
- Pressure regulator with manometer, condensation water separator and lubricator, art. no. 7150.

Art. no. 2991XB

Mobile pneumatic oil dispensing kit with standard trolley, for 208 l – drums, such as art. no. 2991X, but with air separator kit with automatic pump stop device, art. no. 2053 (stopping the pump as soon as air is sucked into the suction line due to an empty drum or tank).

Art. no.	Weight	Dimensions (LxWxH) (mm)
2991X	38 Kg	900x830x1400
2991XB	39 Kg	900x830x1400



Art. no. 2991X
Art. no. 2991XB

Art. no. 2991MID

Mobile pneumatic oil dispensing kit with standard trolley, for 208 l – drums, with air separator, **approved for fiscal transactions** according to the European Directive 2004/22/EC, better known as **Measurement Instrument Directive (MID) MI-005**, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 41!);
- Air separator kit, art. no. 2050, approved according to OIML R117-1 (see page 44!);
- Manometer for outlet pressure control;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Trolley with 4 wheels, art. no. 4380;
- 3 m – rubber hose 1/2", art. no. 28703;
- Electronic oval gears flow meter for oil, approved for fiscal transactions according to MID MI-005, directive 2004/22/CE, with control gun, rubber protection guard, trigger guard, oil flow control tube with transparent insert, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2545 (see page 65!);
- Pressure regulator with manometer, condensation water separator and lubricator, art. no. 7150.

The configuration of components in this kit meets all metrological standards and requirements concerning accuracy defined in the **Directive MID MI-005** and can be used therefore as approved system also in fiscal transactions.

Art. no.	Weight	Dimensions (LxWxH) (mm)
2991MID	39 Kg	900x830x1400



Art. no. 2991MID

Art. no. 2910

Mobile pneumatic oil dispensing kit, for 208 l – drums, with hose reel and standard trolley, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 41!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Trolley with 4 wheels and grate, art. no. 4380;
- Open hose reel, art. no. 9016;
- 15 m – rubber hose 1/2", art. no. 28715;
- 1 m – rubber connection hose 1/2", art. no. 28701;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2826 (see page 62!);
- Pressure regulator with manometer, condensation water separator and lubricator, art. no. 7150.



Art. no. 2910



Art. no. 4338
Wheels kit,
consisting of 4
heavy duty wheels
for trolleys, suitable
also for the use on
rough surfaces.

Art. no.	Weight	Dimensions (LxWxH) (mm)
2910	55 Kg	900x900x1400



Art. no. 2914

Mobile pneumatic oil dispensing kit, for 208 l – drums, with hose reel and heavy duty trolley equipped with bigger wheels suitable also for the use on rough surfaces, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 41!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Heavy duty trolley with 4 wheels and grate, art. no. 4389;
- Open hose reel, art. no. 9016;
- 15 m – rubber hose 1/2", art. no. 28715;
- 1 m – rubber connection hose 1/2", art. no. 28701;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2826 (see page 62!);
- Pressure regulator with manometer, condensation water separator and lubricator, art. no. 7150.



Art. no. 2914

Art. no.	Weight	Dimensions (LxWxH) (mm)
2914	61 Kg	790x900x1400





Art. no. 2914X

Mobile pneumatic oil dispensing kit, for 208 l – drums, with hose reel and heavy duty trolley equipped with bigger wheels suitable also for the use on rough surfaces, with air separator kit, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 41!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Air separator kit, art. no. 2052;
- Manometer for outlet pressure control;
- Heavy duty trolley with 4 wheels and grate, art. no. 4389;
- Open hose reel, art. no. 9016;
- 15 m – rubber hose 1/2", art. no. 28715;
- 1 m – rubber connection hose 1/2", art. no. 28701;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2626 (see page 61!);
- Pressure regulator with manometer, condensation water separator and lubricator, art. no. 7150.

Art. no. 2914XB

Mobile pneumatic oil dispensing kit with heavy duty trolley, for 208 l – drums, such as art. no. 2914X, but with air separator kit with automatic pump stop device, art. no. 2053 (stopping the pump as soon as air is sucked into the suction line due to an empty drum or tank).

Art. no.	Weight	Dimensions (LxWxH) (mm)
2914X	63 Kg	790x900x1400
2914XB	64 Kg	790x900x1400



Art. no. 2914MID

Mobile pneumatic oil dispensing kit with hose reel and heavy duty trolley equipped with bigger wheels suitable also for the use on rough surfaces, for 208 l – drums, with air separator, **approved for fiscal transactions** according to the European Directive 2004/22/EC, better known as **Measurement Instrument Directive (MID) MI-005**, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 41!);
- Air separator kit with automatic pump stop device (stopping the pump as soon as air is sucked into the suction line due to an empty drum or tank), art. no. 2050, approved according to **OIML R117-1** (see page 44!);
- Manometer for outlet pressure control;
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Heavy duty trolley with 4 wheels and grate, art. no. 4389;
- Open hose reel, art. no. 9016;
- 15 m – rubber hose 1/2", art. no. 28715;
- 1 m – rubber connection hose 1/2", art. no. 28701;
- Electronic oval gears flow meter for oil, approved for fiscal transactions according to **MID MI-005, directive 2004/22/CE**, with control gun, rubber protection guard, trigger guard, oil flow control tube with transparent insert, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2545 (see page 65!);
- Pressure regulator with manometer, condensation water separator and lubricator, art. no. 7150.

Art. no.	Weight	Dimensions (LxWxH) (mm)
2914MID	64 Kg	790x900x1400



The configuration of components in this kit meets all metrological standards and requirements concerning accuracy defined in the **Directive MID MI-005** and can be used therefore as approved system also in fiscal transactions.



Art. no. 2918

Mobile electric oil dispensing kit, for 208 l – drums, with hose reel and heavy duty trolley equipped with bigger wheels suitable also for the use on rough surfaces, consisting of:

- Electric, self-priming 230 VAC gear pump for the supply of oil, art. no. 6122; (see page 52!);
- Control box with push button and electric connection cable;
- Double electronic pressure switch that starts the pump once the control gun is activated and stops it again due to the pressure increase in the circuit once the gun is closed;
- Electronic flow meter for oil, with control gun, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2626 (see page 61);
- Heavy duty trolley with 4 wheels and grate, art. no. 4389;
- 3 m – rubber hose 1/2", art. no. 28703;
- Suction tube in galvanized steel, Ø 40 mm, length 950 mm, with 90° - curved connection 1" BSP (M), with foot valve, art. no. 2204;
- 1,5 m - rubber suction hose 1", connections 1" BSP (F-F), art. no. 2205.

Optional:

- Air separator kit with manometer for outlet pressure control;
- Air separator kit with automatic pump stop device (stopping the pump as soon as air is sucked into the suction line due to an empty drum or tank).

Art. no.	Weight	Dimensions (LxWxH) (mm)
2918	47 Kg	790x900x1400



Art. no. 2918MID

Mobile electric oil dispensing kit, for 208 l – drums, with hose reel and heavy duty trolley equipped with bigger wheels suitable also for the use on rough surfaces, with air separator kit, **approved for fiscal transactions** according to the European Directive 2004/22/EC, better known as **Measurement Instrument Directive (MID) MI-005**, consisting of:

- Electric, self-priming 230 VAC gear pump for the supply of oil, art. no. 6122; (see page 52!);
- Air separator kit with automatic pump stop device (stopping the pump as soon as air is sucked into the suction line due to an empty drum or tank), art. no. 2051, approved according to OIML R117-1 (see page 44!);
- Control box with push button and electric connection cable;
- Double electronic pressure switch that starts the pump once the control gun is activated and stops it again due to the pressure increase in the circuit once the gun is closed;
- Electronic oval gears flow meter for oil, approved for fiscal transactions according to **MID MI-005, directive 2004/22/CE**, with control gun, rubber protection guard, trigger guard, oil flow control tube with transparent insert, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2545 (see page 65!);
- Heavy duty trolley with 4 wheels and grate, art. no. 4389;
- 3 m – rubber hose 1/2", art. no. 28703;
- Suction tube in galvanized steel, Ø 40 mm, length 950 mm, with 90° - curved connection 1" BSP (M), with foot valve, art. no. 2204;
- 1,5 m - rubber suction hose 1", connections 1" BSP (F-F), art. no. 2205.

The configuration of components in this kit meets all metrological standards and requirements concerning accuracy defined in the **Directive MID MI-005** and can be used therefore as approved system also in fiscal transactions.

Art. no.	Weight	Dimensions (LxWxH) (mm)
2918MID	47 Kg	790x900x1400





Oil PIT STOP

Art. no. 3000

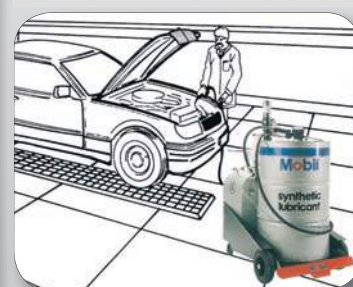
Art. no. 3000

Art. no. 3005

Combined, mobile oil dispensing and waste oil suction unit, mounted on a heavy duty trolley with grate and brake for the wheels. The waste oil can be sucked by means of a Venturi system which creates a vacuum inside of a transparent bowl of 10 l capacity which allows the immediate control of quality and quantity of the sucked oil.

This bowl is installed on a metal collection container with 24 l capacity that can be discharged through a discharge hose by pressurizing the unit. Inside of the container an overfill safety probe is installed which will activate an acoustic and optical signal once the maximum level has been reached in order to inform the user that the unit must be discharged.

The dispensing of new oil is made by means of a pneumatic pump mounted into the drum, with 3 m - hose and electronic flow meter with control gun.



QUICK LUBE

Art. no. 3005

TECHNICAL DATA

Dimensions:	700x1100x1100 mm
Weight:	106 kg
Capacity waste oil collection container:	24 l
Capacity waste oil collection bowl:	10 l
Depressurization speed:	20 sec. at 8 bar
Waste oil suction speed:	2,5 l a 60°C
Pressure for container discharge:	2 bar
Voltage overfill safety probe:	9 Vdc
Delivery pneumatic pump:	18 l/min
Compressed air supply:	3-7 bar
Max outlet pressure oil:	22 bar



Art. no. 2992

Art. no. 2992

Stationary pneumatic oil dispensing kit, for 208 l - drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 41!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Open hose reel, standard series, art. no. 9016;
- 15 m - rubber hose 1/2", art. no. 28715;
- 2 m - rubber connection hose 1/2", art. no. 28702;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2826 (see page 62!);
- Pressure regulator with manometer and condensation water separator, art. no. 7180.

OPTIONAL

- Wall mounted gun holder with drip tray, art. no. 9784;
- Pivoting wall bracket for hose reel, art. no. 9767 (only suitable for single installations).



Art. no. 2992/10

Same as art. no. 2992, but with open hose reel art. no. 9016 and 10 m - hose, art. no. 28710.

Art. no. 2992/20

Same as art. no. 2992, but with open hose reel art. no. 9021 and 20 m - hose, art. no. 28720.



Art. no. 2984

Art. no. 2984

Stationary pneumatic oil dispensing kit, for 208 l - drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 41!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Open hose reel, adjustable arms series, art. no. 9081;
- 15 m - rubber hose 1/2", art. no. 28715;
- 2 m - rubber connection hose 1/2", art. no. 28702;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2826 (see page 62!);
- Pressure regulator with manometer and condensation water separator, art. no. 7180.

OPTIONAL

- Wall mounted gun holder with drip tray, art. no. 9784;
- Pivoting wall bracket for hose reel, art. no. 9767 (only suitable for single installations).



Art. no. 9784

Wall mounted gun holder with drip tray.



Art. no. **2992MID**

Stationary pneumatic oil dispensing kit, for 208 l – drums, **approved for fiscal transactions** according to the European Directive 2004/22/EC, better known as **Measurement Instrument Directive (MID) MI-005**, consisting of:

- Pneumatic double acting 3:1 – oil pump, art. no. 2020 (see page 41!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Air separator kit, art. no. 2050, **approved according to OIML R117-1** (see page 44!);
- Manometer for outlet pressure control;
- Open hose reel, standard series, art. no. 9016;
- 15 m – rubber hose 1/2", art. no. 28715;
- 1 m – rubber connection hose 1/2", art. no. 28701;
- Electronic oval gears flow meter for oil, approved for fiscal transactions according to **MID MI-005, directive 2004/22/CE**, with control gun, rubber protection guard, trigger guard, oil flow control tube with transparent insert, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2545 (see page 65!);
- Pressure regulator with manometer, condensation water separator and lubricator, art. no. 7150;
- Wall mounted gun holder with drip tray, art. no. 9784.

The configuration of components in this kit meets all metrological standards and requirements concerning accuracy defined in the **Directive MID MI-005** and can be used therefore as approved system also in fiscal transactions.

OPTIONAL

Pivoting wall bracket for hose reel, art. no. 9767 (only suitable for single installations).



Art. no. **2984MID**

Stationary pneumatic oil dispensing kit, for 208 l – drums, consisting of:

- Pneumatic double acting 5:1 – oil pump, art. no. 2061 (see page 44!);
- Wall bracket in painted steel, for the fixation of the pump;
- Suction tube in galvanized steel, Ø 40 mm, length 950 mm, with 90° – curved connection 1" BSP (M), with foot valve, art. no. 2204, and bung adapter 2" BSP (M) x 40 mm, art. no. 4340, suitable for the use in 208 l – drums;
- 1, 5 m – rubber suction hose 1", connections 1" BSP (F-F), art. no. 2205;
- Air separator kit, art. no. 2050, **approved according to OIML R117-1** (see page 44!);
- manometer for outlet pressure control;
- Open hose reel, adjustable arms series, art. no. 9090;
- 15 m – rubber hose 1/2", art. no. 28715;
- 2 m – rubber connection hose 1/2", art. no. 28702;
- Electronic oval gears flow meter for oil, approved for fiscal transactions according to **MID MI-005, directive 2004/22/CE**, with control gun, rubber protection guard, trigger guard, oil flow control tube with transparent insert, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2545 (see page 65!);
- Pressure regulator with manometer, condensation water separator and lubricator, art. no. 7150;

The configuration of components in this kit meets all metrological standards and requirements concerning accuracy defined in the **Directive MID MI-005** and can be used therefore as approved system also in fiscal transactions.



Art. no. 2994

Art. no. 2994

Stationary pneumatic oil dispensing kit, for 208 l – drums, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 41!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Enclosed hose reel, art. no. 9013;
- 15 m – rubber hose 1/2", art. no. 28715;
- 2 m – rubber connection hose 1/2", art. no. 28702;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2826 (see page 62!);
- Pressure regulator with manometer and condensation water separator, art. no. 7180.

OPTIONAL

Wall mounted gun holder with drip tray, art. no. 9784
Pivoting wall bracket for hose reel, art. no. 9778 (only suitable for single installations)

Art. no. 2994/10

Same as art. no. 2992, but with enclosed hose reel art. no. 9013 and 10 m – hose, art. no. 28710.

Art. no. 2994/20

Same as art. no. 2992, but with enclosed hose reel art. no. 9023 and 20 m – hose, art. no. 28720.



Art. no. 2934

Art. no. 2934

Stationary pneumatic oil dispensing kit, for 208 l – drums, consisting of:

- 3 pcs. of pneumatic double acting 3:1 - oil pumps, art. no. 2020 (see page 41!);
- 3 pcs. of plastic bung adapters for the fixation of pumps on drums, art. no. 4340;
- 3 pcs. of enclosed hose reels, art. no. 9013;
- 3 pcs. of 15 m – rubber hoses 1/2", art. no. 28715;
- 3 pcs. of 2 m – rubber connection hoses 1/2", art. no. 28702;
- 3 pcs. of electronic flow meters for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2826 (see page 62!);
- 3 pcs. of wall mounted gun holders with drip tray, art. no. 9784;
- 3 pcs. of pressure regulators with manometer and condensation water separator, art. no. 7180;
- 4 pcs. of plastic casing elements for hose reel battery, art. nos. 9780, 9781, 9779;
- 1 pc. of mounting panels for hose reels, art. no. 8534.



Art. no. 2985MID

Stationary pneumatic oil dispensing kit, for 208 l – drums, **approved for fiscal transactions** according to the European Directive 2004/22/EC, better known as **Measurement Instrument Directive (MID) MI-005**, consisting of:

- Pneumatic double acting 5:1 - oil pump, art. no. 2061 (see page 44!);
- Wall bracket in painted steel, for the fixation of the pump;
- Suction tube in galvanized steel, Ø 40 mm, length 950 mm, with 90° - curved connection 1" BSP (M), with foot valve, art. no. 2204, and bung adapter 2" BSP (M) x 40 mm, art. no. 4340, suitable for the use in 208 l – drums;
- 1, 5 m - rubber suction hose 1", connections 1" BSP (F-F), art. no. 2205;
- Air separator kit, art. no. 2050, approved according to **OIML R117-1** (see page 44!);
- Manometer for outlet pressure control;
- Open hose reel, standard series, art. no. 9016;
- 15 m – rubber hose 1/2", art. no. 28715;
- 2 m – rubber connection hose 1/2", art. no. 28702;
- Electronic oval gears flow meter for oil, approved for fiscal transactions according to **MID MI-005, directive 2004/22/CE**, with control gun, rubber protection guard, trigger guard, oil flow control tube with transparent insert, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2545 (see page 65!).

Art. no. 2985

Same as art. no. 2985MID, but non – approved version without air separator kit, and with electronic flow meter for oil, art. no. 2626 (see page 61!).

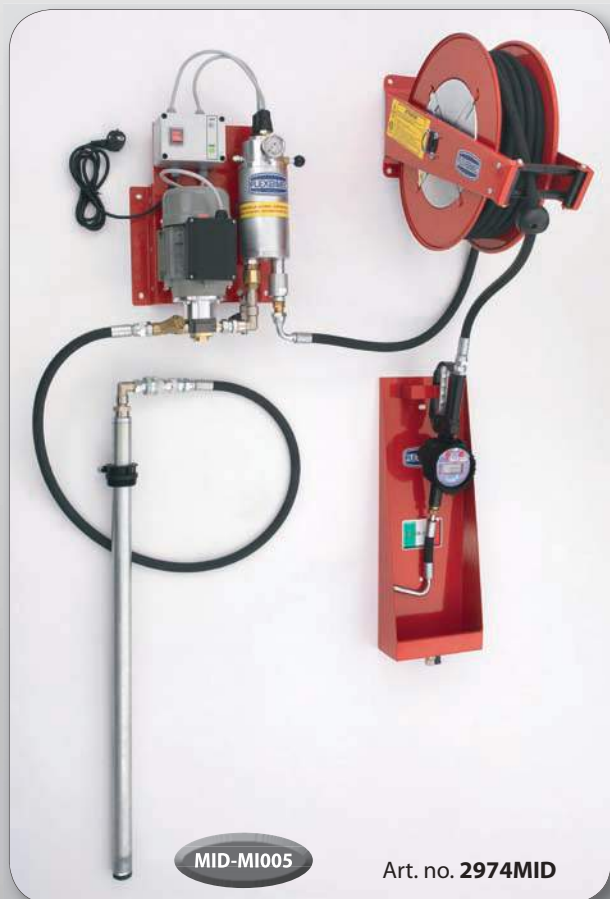


Art. no. 2974MID

Stationary electric oil dispensing kit, for 208 l – drums, approved for fiscal transactions according to the **European Directive 2004/22/EC**, better known as **Measurement Instrument Directive (MID) MI-005**, consisting of:

- Electric, self-priming 230 VAC gear pump for the supply of oil, art. no. 6122; (see page 52!);
- Control box with push button and electric connection cable;
- Double electronic pressure switch that starts the pump once the control gun is activated and stops it again due to the pressure increase in the circuit once the gun is closed;
- Wall bracket in painted steel, for the fixation of the pump;
- Suction tube in galvanized steel, Ø 40 mm, length 950 mm, with 90° - curved connection 1" BSP (M), with foot valve, art. no. 2204, and bung adapter 2" BSP (M) x 40 mm, art. no. 4340, suitable for the use in 208 l – drums;
- 1, 5 m - rubber suction hose 1", connections 1" BSP (F-F), art. no. 2205;
- Air separator kit, art. no. 2050, **approved according to OIML R117-1** (see page 44!);
- Manometer for outlet pressure control;
- Open hose reel, standard series, art. no. 9016;
- 15 m – rubber hose 1/2", art. no. 28715;
- 2 m – rubber connection hose 1/2", art. no. 28702;
- Electronic oval gears flow meter for oil, approved for fiscal transactions according to **MID MI-005, directive 2004/22/CE**, with control gun, rubber protection guard, trigger guard, oil flow control tube with transparent insert, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2545 (see page 65!);
- Wall mounted gun holder with drip tray, art. no. 9784.

The configuration of components in this kit meets all metrological standards and requirements concerning accuracy defined in the **Directive MID MI-005** and can be used therefore as approved system also in fiscal transactions.



Art. no. 8210

Pneumatic oil dispensing kit, for the installation on top of 1000 l – IBC –tanks, consisting of:

- Pneumatic double acting 3:1 - oil pump, art. no. 2020130 (see page 41!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Open hose reel, standard series, art. no. 9016;
- 15 m – rubber hose 1/2", art. no. 28715;
- 1,5 m – rubber connection hose 1/2", art. no. 287015;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2826 (see page 62!);
- Pressure regulator with manometer and condensation water separator, art. no. 7180;
- Gun holder with drip tray, art. no. 9784;
- Metal mounting frame, art. no. 9785.



Art. no. 8210

Art. no. 8250

Same as art. no. 8210, but including an empty 1000 l – IBC – tank, art. no. 8215.



Art. no. 8215

Art. no. 8250

Art. no. 8208

Pneumatic oil dispensing kit, for the installation on the side of 1000 l – IBC –tanks, consisting of:

- Pneumatic single acting 5:1 - oil pump, art. no. 2075 (see page 42!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Pressure regulator with manometer, art. no. 7200;
- Electronic flow meter for oil, with control gun, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2626 (see page 61!);
- 3 m – rubber hose 1/2", art. no. 28703;
- Suction hose 1" with connection adapter for IBC – tanks;
- Metal mounting bracket, art. no. 9785.

Art. no. 8209

Pneumatic oil dispensing kit, for the installation on the side of 1000 l – IBC –tanks. Same components as art. no. 8208, but with pneumatic 6:1 – single acting oil pump, series Tapir, delivery of 32 l/min (see page 45!).



Art. no. 8208





Art. no. 8206

Art. no. 8206

Pneumatic oil dispensing kit, for the installation on top of double wall steel tanks, series art. nos. 8217 (see page 100!), consisting of:

- Pneumatic double acting 5:1 - oil pump, art. no. 2075 (see page 42!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Pressure regulator with manometer and condensation water separator, art. no. 7180;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2826 (see page 62!);
- 0,5 m – rubber connection hose 1/2", art. no. 287005;
- Metal mounting frame, art. no. 9787;
- Open hose reel, adjustable arms series, art. no. 9090;
- 15 m – rubber hose 1/2", art. no. 28715.

Art. no. 8206MID

Same as art. no. 8206, but kit **approved for fiscal transactions** according to the European Directive 2004/22/EC, better known as **Measurement Instrument Directive (MID) MI-005**, with air separator kit, art. no. 2050, approved according to OIML R117-1 (see page 44!), manometer for outlet pressure control and electronic oval gears flow meter for oil, approved for fiscal transactions **according to MID MI-005, directive 2004/22/CE**, with control gun, rubber protection guard, trigger guard, oil flow control tube with transparent insert, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2545 (see page 65!).



Art. no. 8206MID

Art. no. 8204

Electric oil dispensing kit, for the installation on top of double wall steel tanks, series art. nos. 8217 (see page 100!), consisting of:

- Electric, self-priming 230 VAC gear pump for the supply of oil, art. no. 6122; (see page 52!);
- Control box with push button and electric connection cable;
- Double electronic pressure switch that starts the pump once the control gun is activated and stops it again due to the pressure increase in the circuit once the gun is closed;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2826 (see page 62!);
- 0,5 m – rubber connection hose 1/2", art. no. 287005;
- Metal mounting frame, art. no. 9787;
- Open hose reel, adjustable arms series, art. no. 9090;
- 15 m – rubber hose 1/2", art. no. 28715.

Art. no. 8207

Pneumatic oil dispensing kit with 1000 l – double wall tank, consisting of:

- Pneumatic double acting 5:1 - oil pump, art. no. 2075 (see page 42!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Pressure regulator with manometer and condensation water separator, art. no. 7180;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2826 (see page 62!);
- 0,5 m – rubber connection hose 1/2", art. no. 287005;
- 1000 l – double wall steel tank, art. no. 8217/1000 (see page 100!);
- Metal mounting frame, art. no. 9787;
- Open hose reel, adjustable arms series, art. no. 9090;
- 15 m – rubber hose 1/2", art. no. 28715.

Art. no. 8207MID

Same as art. no. 8207, but kit **approved for fiscal transactions** according to the European Directive 2004/22/EC, better known as **Measurement Instrument Directive (MID) MI-005**, with air separator kit, art. no. 2050, approved according to OIML R117-1 (see page 44!), manometer for outlet pressure control and electronic oval gears flow meter for oil, approved for fiscal transactions according to **MID MI-005, directive 2004/22/CE**, with control gun, rubber protection guard, trigger guard, oil flow control tube with transparent insert, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2545 (see page 65!).



Art. no. 8207

Art. no. 8205

Kit with 1000 l – double wall tank such as art. no. 8207, but with electric oil dispensing kit, art. no. 8204.

Art. no. 8205MID

Kit with 1000 l – double wall tank such as art. no. 8207MID, but with electric oil dispensing kit, **approved for fiscal transactions** according to the European Directive 2004/22/EC, better known as **Measurement Instrument Directive (MID) MI-005**, art. no. 8206MID.

Pneumatic oil dispensing kits for 1 or 2 oil types. The use of the included spill containment pallet with metal mounting rack allows to create quickly an autonomous dispensing unit that can be put in any place of the workshop. Also it can be moved at any time if it becomes necessary.

Art. no. 8548

Stationary pneumatic oil supply station, for 208 l – drums, consisting of:

- Tank Service Base for 1 drum of 208 l, art. no. 8525, with metal mounting rack;
- Pneumatic double acting 3:1 - oil pump, art. no. 2020 (see page 41!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Open hose reel, standard series, art. no. 9016;
- 15 m – rubber hose 1/2", art. no. 28715
- 2 m – rubber connection hose 1/2", art. no. 28702
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2826 (see page 61!);
- Pressure regulator with manometer and condensation water separator, art. no. 7180.

Art. no. 8548/10

Same as above, but with open hose reel art. no. 9016 and with 10 m – hose, art. no. 28710.



Art. no. 8548

Art. no.	Weight	Dimensions (LxWxH) (mm)
8548	69 Kg	830x880x2360



Art. no. 8549

Stationary pneumatic oil supply station, for 2 x 208 l – drums, consisting of:

- Tank Service Base for 2 drums of 208 l, art. no. 8533, with metal mounting rack;
- 2 pcs. of pneumatic double acting 3:1 - oil pumps, art. no. 2020 (see page 41!);
- 2 pcs. of plastic bung adapters for the fixation of pumps on drums, art. no. 4340;
- 2 pcs. of open hose reels, standard series, art. no. 9016;
- 2 pcs. of 15 m – rubber hoses 1/2", art. no. 28715;
- 2 pcs. of 2 m – rubber connection hoses 1/2", art. no. 28702;
- 2 pcs. of electronic flow meters for oil, with control gun, rubber protection guard, trigger guard, rigid outlet, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2826 (see page 62!);
- 2 pcs. of pressure regulators with manometer and condensation water separator, art. no. 7180.

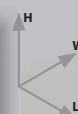
Art. no. 8549/10

Same as above, but with open hose reel art. no. 9016 and with 10 m - hose, art. no. 28710.



Art. no. 8549

Art. no.	Weight	Dimensions (LxWxH) (mm)
8549	106 Kg	1350x880x2360



Pneumatic oil dispensing kits for 1 or 2 oil types. The use of the included spill containment pallet with metal mounting rack allows to create quickly an autonomous dispensing unit that can be put in any place of the workshop. These oil supply stations are approved for fiscal transactions according to the European Directive 2004/22/EC, better known as Measurement Instrument Directive (MID) MI-005. They include an air separator kit, approved according to OIML R117-1, with or without automatic pump stop device and an electronic oval gears flow meter for oil, also approved according to MID MI-005. The configuration of components in these kits meets all metrological standards and requirements concerning accuracy defined in the Directive MID MI-005 and can be used therefore as approved system also in fiscal transactions.

Art. no. 8547MID

Stationary pneumatic oil supply station, for 60 l – drums, approved for fiscal transactions according to the European Directive 2004/22/EC, better known as Measurement Instrument Directive (MID) MI-005, consisting of:

- Pneumatic double acting 5:1 - oil pump, art. no. 2061 (see page 44!);
- Wall bracket in painted steel, for the fixation of the pump;
- Air separator kit, art. no. 2050, approved according to OIML R117-1 (see page 44!);
- Manometer for outlet pressure control;
- Tank Service Base for 1 drum of 60 l, with metal mounting rack;
- Suction tube in galvanized steel, Ø 40 mm, length 650 mm, with 90° - curved connection 1" BSP (M), with foot valve, and bung adapter 2" BSP (M) x 40 mm, art. no. 4340, suitable for the use in 60 l – drums;
- 1, 5 m - rubber suction hose 1", connections 1" BSP (F-F), art. no. 2205;
- Open hose reel, adjustable arms series, art. no. 9090;
- 15 m – rubber hose 1/2", art. no. 28715;
- 1,5 m – rubber connection hose 1/2", art. no. 287015;
- Electronic oval gears flow meter for oil, approved for fiscal transactions according to MID MI-005, Directive 2004/22/CE, with control gun, rubber protection guard, trigger guard, oil flow control tube with transparent insert, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2545 (see page 65!).

Art. no. 8548MID

Same as above, but with components suitable for the use of 208 l – drums.

Art. no.	Weight	Dimensions (LxWxH) (mm)
8547MID	68 Kg	480x500x1600
8548MID	82 Kg	830x880x2360



Art. no. 8547MID

Art. no. 8549MID

Stationary pneumatic oil supply station, for 2 x 208 l – drums, approved for fiscal transactions according to the European Directive 2004/22/EC, better known as Measurement Instrument Directive (MID) MI-005, consisting of:

- 2 pcs. of pneumatic double acting 5:1 - oil pump, art. no. 2061 (see page 44!);
- 2 pcs. of wall bracket in painted steel, for the fixation of the pump;
- 2 pcs. of air separator kit, art. no. 2050, approved according to OIML R117-1 (see page 44!);
- 2 pcs. of manometer for outlet pressure control;
- 1 pc. of Tank Service Base for 2 drums of 208 l, art. no. 8533, with metal mounting rack;
- 2 pcs. of suction tube in galvanized steel, Ø 40 mm, length 950 mm, with 90° - curved connection 1" BSP (M), with foot valve, and bung adapter 2" BSP (M) x 40 mm, art. no. 4340, suitable for the use in 208 l – drums;
- 2 pcs. of 1, 5 m - rubber suction hose 1", connections 1" BSP (F-F), art. no. 2205;
- 2 pcs. of open hose reel, adjustable arms series, art. no. 9090;
- 2 pcs. of 15 m – rubber hose 1/2", art. no. 28715;
- 2 pcs. of 1,5 m – rubber connection hose 1/2", art. no. 287015;
- 2 pcs. of electronic oval gears flow meter for oil, approved for fiscal transactions according to MID MI-005, Directive 2004/22/CE, with control gun, rubber protection guard, trigger guard, oil flow control tube with transparent insert, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2545 (see page 65!).

Art. no.	Weight	Dimensions (LxWxH) (mm)
8549MID	118 Kg	1350x880x2360



Art. no. 8549MID



Art. no. **8542MID**

Stationary electric oil supply station, for 208 l - drums, **approved for fiscal transactions** according to the **European Directive 2004/22/EC**, better known as Measurement Instrument **Directive (MID) MI-005**, consisting of:

- Electric, self-priming 230 VAC gear pump for the supply of oil, art. no. 6122; (see page 52!);
- Control box with push button and electric connection cable with plug;
- Double electronic pressure switch that starts the pump once the control gun is activated and stops it again due to the pressure increase in the circuit once the gun is closed;
- Wall bracket in painted steel, for the fixation of the pump;
- Air separator kit, art. no. 2050, approved according to **OIML R117-1** (see page 44!);
- Manometer for outlet pressure control;
- Tank Service Base for 1 drum of 208 l, art. no. 8525, with metal mounting rack;
- Suction tube in galvanized steel, Ø 40 mm, length 950 mm, with 90° - curved connection 1" BSP (M), with foot valve, art. no. 2204, and bung adapter 2" BSP (M) x 40 mm, art. no. 4340, suitable for the use in 208 l - drums;
- 1,5 m - rubber suction hose 1", connections 1" BSP (F-F), art. no. 2205;
- Open hose reel, adjustable arms series, art. no. 9090;
- 15 m - rubber hose 1/2", art. no. 28715;
- 1,5 m - rubber connection hose 1/2", art. no. 287015;
- Electronic oval gears flow meter for oil, approved for fiscal transactions according to **MID MI-005, Directive 2004/22/CE**, with control gun, rubber protection guard, trigger guard, oil flow control tube with transparent insert, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2545 (see page 65!).

Art. no. **8542**

Same as art. no. 8542MID, but non - approved version without air separator kit and manometer for outlet pressure, and with electronic flow meter for oil, art. no. 2626 (see page 61!).



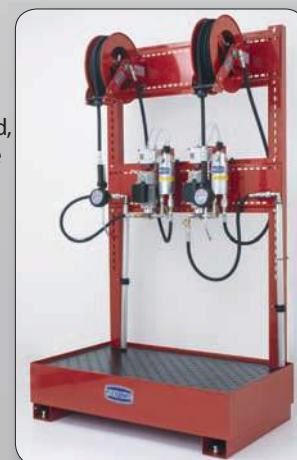
Art. no. **8543MID**

Stationary electric oil supply station, for 2 x 208 l - drums, **approved for fiscal transactions** according to the **European Directive 2004/22/EC**, better known as Measurement Instrument **Directive (MID) MI-005**, consisting of:

- 2 pcs. of electric, self-priming 230 VAC gear pump for the supply of oil, art. no. 6122; (see page 52!);
- 2 pcs. of control box with push button and electric connection cable with plug;
- 2 pcs. of double electronic pressure switch that starts the pump once the control gun is activated and stops it again due to the pressure increase in the circuit once the gun is closed;
- 2 pcs. of wall bracket in painted steel, for the fixation of the pump;
- 2 pcs. of air separator kit, art. no. 2050, approved **according to OIML R117-1** (see page 44!);
- 2 pcs. of manometer for outlet pressure control;
- 1 pc. of Tank Service Base for 2 drums of 208 l, art. no. 8533, with metal mounting rack;
- 2 pcs. of suction tube in galvanized steel, Ø 40 mm, length 950 mm, with 90° - curved connection 1" BSP (M), with foot valve, art. no. 2204, and bung adapter 2" BSP (M) x 40 mm, art. no. 4340, suitable for the use in 208 l - drums;
- 2 pcs. of 1,5 m - rubber suction hose 1", connections 1" BSP (F-F), art. no. 2205;
- 2 pcs. of open hose reel, adjustable arms series, art. no. 9090;
- 2 pcs. of 15 m - rubber hose 1/2", art. no. 28715;
- 2 pcs. of 1,5 m - rubber connection hose 1/2", art. no. 287015;
- 2 pcs. of electronic oval gears flow meter for oil, approved for fiscal transactions according to **MID MI-005, Directive 2004/22/CE**, with control gun, rubber protection guard, trigger guard, oil flow control tube with transparent insert, flexible rubber outlet, Ø 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2545 (see page 65!).

Art. no. **8543**

Same as art. no. 8543MID, but non - approved version without air separator kit and manometer for outlet pressure, and with electronic flow meter for oil, art. no. 2626 (see page 61!).





Art. no. 2050 - 2051

Automatic air separator kits, suitable to separate the air eventually present in the suction line from the oil, available with (= art. no. 2051) or without (= art. no. 2050) automatic pump stop device, **approved according to OIML R117-1**; includes also manometer for the control of the outlet pressure and non-return valve.

By installing the air separator at the fluid outlet of a pump can be achieved the working conditions needed to meet the requirements of the **Directive MID MI-005** in combination with an oil flow meter that must also be approved for fiscal transactions.

Art. no. 2050

Air separator kit without automatic pump stop device.

Art. no. 2051

Air separator kit with automatic pump stop device (stopping the pump as soon as air is sucked into the suction line due to an empty drum or tank).



Art. no.	Flow range	Working pressure	Connections IN - OUT	Connection air discharge	Weight	Dimensions (LxWxH) (mm)
2050	0,5 - 5 l/min	1 - 20 bar	1/2" BSP (F - M)	3/4" BSP (M)	3 kg	190x110x310
2051	0,5 - 5 l/min	1 - 20 bar	1/2" BSP (F - M)	3/4" BSP (M)	4 kg	190x110x370



Art. no. 2052 - 2053

Art. no. 2052 - 2053

Automatic air separator kits, suitable to separate the air eventually present in the suction line from the oil, available with (= art. no. 2053) or without (= art. no. 2052) automatic pump stop device; includes also manometer for the control of the outlet pressure.

By installing these kits at the fluid outlet of a pump eventually sucked air in the oil can be eliminated and pressure peaks caused by the function of the pneumatic pump can be damped and thus a constant oil flow can be achieved.

The art. no. 2053 includes also a pump stop device which - in case a drum is getting empty - guarantees that the pump does not run dry and that no air can enter into the oil circuit.

Art. no. **2052** Air separator kit without automatic pump stop device.

Art. no. **2053** Air separator kit with automatic pump stop device (stopping the pump as soon as air is sucked into the suction line due to an empty drum or tank).

Art. no.	Flow range	Working pressure	Connections IN - OUT	Connection air discharge	Weight	Dimensions (LxWxH) (mm)
2052	12 l/min	1 - 20 bar	1/2" BSP (F - M)	3/4" BSP (M)	2,5 kg	190x110x290
2053	12 l/min	1 - 20 bar	1/2" BSP (F - M)	3/4" BSP (M)	3,5 kg	190x110x350



Art. no. 2250

Art. no. 2250

Pulsation damper, with manometer for the control of the outlet pressure, connections 1/2" BSP (F - F), max. pressure 20 bar, suitable for the use with 1:1 - and 3:1 - pneumatic pumps.

By installing the pulsation damper at the fluid outlet of a pump pressure peaks caused by the function of the pneumatic pump can be damped and thus a constant oil flow can be achieved.

Pneumatic oil dispensing kits for 1 or 2 oil types. The use of the included spill containment pallet with metal mounting rack allows to create quickly an autonomous dispensing unit that can be put in any place of the workshop. Also it can be moved at any time if it becomes necessary.

Art. no. 8621

Pneumatic oil dispensing and storage cabinet, one drum - version, for 208 l - drums, consisting of:

- Tank Service Base for 1 drum of 208 l, art. no. 8525;
- Metal, lockable cabinet for 1 drum of 208 l, art. no. 8681;
- Pneumatic double acting 5:1 - oil pump, art. no. 2076 (see page 42!);
- Plastic bung adapter for the fixation of pumps on drums, art. no. 4340;
- Open hose reel, standard series, art. no. 9016;
- 15 m - rubber hose 1/2", art. no. 28715;
- 2 m - rubber connection hose 1/2", art. no. 28702;
- Electronic flow meter for oil, with control gun, rubber protection guard, trigger guard, flexible outlet, \varnothing 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2626 (see page 61!);
- Pressure regulator with manometer and condensation water separator, art. no. 7180.



Art. no. 8621

Art. no.	Weight	Dimensions (LxWxH) (mm)
8621	230 Kg	830x880x2360



Art. no. 8634

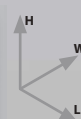
Pneumatic oil dispensing and storage cabinet, 2 drums - version, for 208 l - drums, consisting of:

- Tank Service Base for 2 drums of 208 l, art. no. 8533;
- Metal, lockable cabinet for 2 drums of 208 l, art. no. 8682;
- 2 pcs. of pneumatic double acting 5:1 - oil pumps, art. no. 2076 (see page 42!);
- 2 pcs. of plastic bung adapters for the fixation of pumps on drums, art. no. 4340;
- 2 pcs. of open hose reels, standard series, art. no. 9016;
- 2 pcs. of 15 m - rubber hoses 1/2", art. no. 28715;
- 2 pcs. of 2 m - rubber connection hoses 1/2", art. no. 28702;
- 2 pcs. of electronic flow meters for oil, with control gun, rubber protection guard, trigger guard, flexible outlet, \varnothing 1/2", with curved rigid 90° stem, automatic anti-drip nozzle and inlet swivel 1/2" BSP (M), art. no. 2626 (see page 61!);
- 2 pcs. of pressure regulators with manometer and condensation water separator, art. no. 7180.



Art. no. 8634

Art. no.	Weight	Dimensions (LxWxH) (mm)
8634	290 Kg	1350x880x2360





Art. no. **8684**

MULTISERVICE LUBE DRUM BOX - Multifunctional oil dispensing unit for 2 oil types, with storage space for 2 drums of 208 l and for the pumping equipment inside of the cabinet. The lockable doors can be opened completely and the included spill containment pallet with grate prevents an eventual spillage of oil into the ground. At the external angles of the containment pallet are mounted 4 detachable feet that allow the lifting of the unit if it must be moved. In the upper part a vertically mounted, perforated panel allows the storage of various tools. The upper surface of the cabinet is provided as a supporting surface and it is divided into 2 parts that can be lifted separately from behind in order to enable the user to facilitate the drum change operations. On top of the upper surface a rubber protection sheet is applied so that it can be used as the worktop of a workbench.

Workbench height: 1160 mm.

The unit includes the following components:

- 2 pcs. of pneumatic pumps with accessories installed inside of the drum storage space;
- 2 pcs. of silencers to diminish the typical noise emission of the pneumatic pumps;
- 2 pcs. of enclosed hose reels, art. no. 9013, with 15 m – hose 1/2", art. no. 28715;
- 2 pcs. of electronic flow meters for oil with control gun, art. no. 2826 (see page 62!).



Art. no.	Weight	Dimensions (LxWxH) (mm)
8684	370 kg	1500x900x2222



Art. no. **8685**

MULTISERVICE LUBE TANK BOX – Multifunctional oil dispensing unit for 2 oil types, with additional useability as workbench.

The unit consists of the following essential components:

- 2 pcs. of incorporated metal tanks of 235 l capacity each, with lateral level indicators;
- 1 pc. of spill containment pallet;
- 2 pcs. of pneumatic 1:1 – oil pumps, art. no. 2044 (see page 40!), with accessories;
- 2 pcs. of pressure regulator with manometer and condensation water separator, art. no. 7180;
- Metal cabinet with lockable doors that can be opened completely;
- Vertically mounted, perforated panel for the storage of various tools;
- Worktop surface (height 90 cm) with rubber protection sheet;
- 2 pcs. of enclosed hose reels, art. no. 9013, with 15 m – hose 1/2", art. no. 28715;
- 2 pcs. of electronic flow meters for oil with control gun, art. no. 2826 (see page 62!);
- 2 pcs. of tubular anti-drip gun holders, adjustable in 2 different positions;
- Detachable feet that allow the lifting of the unit if it must be moved.

Art. no.	Weight	Dimensions (LxWxH) (mm)
8685	390 kg	1500x900x2430



According to the regulations the storage of lubricant or fuel drums in industrial or workshop environments requires suitable containers which can collect the fluids in case of eventual leakages and prevent that those can pollute the surrounding environment. The series TANK SERVICE BASE has been designed:

- to serve as a containment for eventually leaking fluids;
- to facilitate the transport of the drums;
- to create autonomous and easy-to-handle oil supply units.



Art. no. **8524**
Art. no. **8524/SE**

Art. no. **8524**

Tank Service Base 200

Spill containment pallet in painted steel, with pallet feet, suitable for the storage of 1 drum of 208 l. Sump capacity: 208 l. Prepared for the installation of a mounting rack consisting of steel posts (art. no. 8527) and steel panels (art. no. 8526) suitable for the installation of equipment.

Art. no. **8524/SE**

Tank Service Base 200

Spill containment pallet in painted steel, suitable for the storage of 1 drum of 208 l. Sump capacity: 208 l.

Economic version without possibility of installing a mounting rack on it and without pallet feet for the transport with pallet truck. Transport can be done by forklift.

OPTIONAL

Art. no. **8526**



Art. no. **8527**

Art. no.	Weight	Dimensions (LxWxH) (mm)	H	W	L
8524	32 Kg	920x830x340			
8524/SE	29 Kg	920x830x305			

Art. no. **8532/SE**

Tank Service Base 400

Spill containment pallet in painted steel, suitable for the storage of 2 drums of 208 l. Sump capacity: 286 l.

Economic version without possibility of installing a mounting rack on it and without pallet feet for the transport with pallet truck. Transport can be done by forklift.



Art. no. **8532/SE**

Art. no.	Weight	Dimensions (LxWxH) (mm)	H	W	L
8532/SE	32 Kg	1350x830x305			

Art. no. **8532**

Art. no. **8532/SE**

Tank Service Base 400

Spill containment pallet in painted steel, with pallet feet, suitable for the storage of 2 drums of 208 l. Sump capacity: 286 l.

Prepared for the installation of a mounting rack consisting of steel posts (art. no. 8527) and steel panels (art. no. 8534) suitable for the installation of equipment.

OPTIONAL

Art. no. **8534**



Art. no. **8527**

Art. no.	Weight	Dimensions (LxWxH) (mm)	H	W	L
8532	35 Kg	1350x830x340			



Art. no. **8532**

Mounting shelves consisting of spill containment pallets, series Tank Service Base, and special mounting racks for equipment. These units are used:

- to create lubrication units according to the individual requirements;
- to achieve autonomous units that can easily be transported with a pallet truck or forklift and can be put at any place of a workshop;
- to avoid the pollution of the surrounding environment in case of eventual leakages, thanks to the included spill containment pallet.

Art. no. **8525**

Mounting shelf, consisting of:

- spill containment pallet for 1 drum of 208 l, art. no. 8524;
- 2 pcs. of steel posts, art. no. 8527;
- 2 pcs. of steel panels, art. no. 8526.



Art. no. **8525**

Art. no.	Weight	Dimensions (LxWxH) (mm)
8525	42 Kg	830x880x2300



Art. no. **8533**

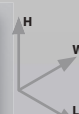
Mounting shelf, consisting of:

- spill containment pallet for 2 drums of 208 l, art. no. 8532;
- 2 pcs. of steel posts, art. no. 8527;
- 2 pcs. of steel panels, art. no. 8534.



Art. no. **8533**

Art. no.	Weight	Dimensions (LxWxH) (mm)
8533	46 Kg	1350x830x2300





Art. no. **8214**

Art. no. **8214**

Drum lift ERCOLINO 250

Accessory for all spill containment pallets of series Tank Service Base; fixation by an extendable clamping device. Allows to lift a drum from the ground and to position it on the spill containment pallet in a safe and easy way.

Max. lifting height over ground: 320 mm.

Max. lifting weight: 220 kg.

Each rotation of the crank corresponds to a 3 mm lifting of the drum.

Art. no.	Weight	Dimensions (LxWxH) (mm)
8214	34 Kg	960x380x1310



Art. no. **8220**

Art. no. **8220**

Mobile version of drum lift **ERCOLINO 250** which allows the fixation of a drum by an extendable clamping device for lifting and its positioning on a spill containment pallet.

Max. lifting height over ground: 320 mm.

Max. lifting weight: 220 kg.

Each rotation of the crank corresponds to a 3 mm lifting of the drum.

Distance between the lift forks: 660 mm.

Art. no.	Weight	Dimensions (LxWxH) (mm)
8220	40 Kg	970x760x1320

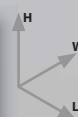


Art. no. **4379**

Art. no. **4379**

Cradle for the transport of 208 l – drums, including an arresting device.

Art. no.	Weight	Dimensions (LxWxH) (mm)
4379	18 Kg	1350x830x250





Art. no. **8529**
Art. no. **8539**

Art. no. **8529**
Art. no. **8539**

Mobile spill containment pallet in painted steel, with grate in galvanized steel, suitable for the storage of 208 l - drums, for the mobile lubricant supply.
Equipped with 4 swivelling wheels with brake as well as with tubular frame handle for a convenient transport even in areas of reduced space.

Art. no.	Suitable for	Sump capacity	Weight	Dimensions (LxWxH) (mm)
8529	1 drum of 208 l	210 l	67 kg	860x860x1170
8539	2 drums of 208 l	340 l	83 kg	850x1340x1170



Art. no. **8530**

Art. no. **8530**

Spill containment pallet in painted steel, with grate in galvanized steel, suitable for the storage of one 1000 l - IBC - tank; sump capacity: 1000 l.

Art. no. **8530/SP**

Same as art. no. 8530, but suitable for the mounting of posts (art. no. 8527) and panels (art. no. 8534) for the installation of any equipment.

Art. no.	Weight	Dimensions (LxWxH) (mm)
8530	155 Kg	1220x1320x710



Art. no. **8531**

Art. no. **8531**

Spill containment pallet in painted steel, with grate in galvanized steel, suitable for the storage of two 1000 l - IBC - tanks; sump capacity: 1500 l.

Art. no.	Weight	Dimensions (LxWxH) (mm)
8531	180 Kg	1500x2200x380



Art. no. **8536**

Art. no. **8536**

Spill containment pallet in painted steel, with grate in galvanized steel, suitable for the storage of up to 4 drums of 180 kg; sump capacity: 270 l.

Art. no.	Weight	Dimensions (LxWxH) (mm)
8536	120 Kg	1780x1250x180





Art. no. 8564

Spill containment pallet in painted steel, with grate in galvanized steel, suitable for the storage of up to 4 drums of 208 l; sump capacity: 335 l.

Art. no. 8565

Spill containment pallet in painted steel, with grate in galvanized steel, suitable for the storage of up to 8 drums of 208 l; sump capacity: 680 l.

Art. no.	Portata	Weight	Dimensions (LxWxH) (mm)
8564	4 drums of 208 l	94 kg	1340x1250x300
8565	8 drums of 208 l	202 kg	2720x1250x300



Art. no. 8566

Metal barrel rack, stackable, for the horizontal storage of up to 3 drums of 60 l. Suitable for the storage on spill containment pallets art. no. 8564 or art. no. 8565.

Art. no. 8567

Metal barrel rack, stackable, for the horizontal storage of up to 2 drums of 208 l. Suitable for the storage on spill containment pallets art. no. 8564 or art. no. 8565.

Art. no.	Weight	Dimensions (LxWxH) (mm)
8566	37 kg	1335x600x810
8567	32 kg	1335x600x810



Art. no. 8568

Metal barrel rack, stackable, for the horizontal storage of up to 3 drums of 208 l. Suitable for the storage on spill containment pallet art. no. 8565.

Art. no.	Weight	Dimensions (LxWxH) (mm)
8568	67 kg	1960x600x810



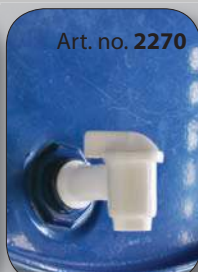
Art. no. 8569

Metal barrel rack, stackable, for the horizontal storage of up to 3 drums of 208 l. Suitable to be put up on the floor.

Art. no. 8563

Spill containment pallet in galvanized steel plate, without grate, to be placed under the metal barrel rack art. no. 8569. Sump capacity: 270 l.

Art. no.	Weight	Dimensions (LxWxH) (mm)
8569	36 kg	1500x550x850
8563	48 kg	1390x1160x170



Art. no. 2270

Gravity cock, in polyethylene, connection thread 3/4" BSP (M), with adapter 2" BSP (M), with manual shut-off valve, suitable for the use with horizontally placed drums of 60 l or 208 l.

Art. no. 2271

Gravity cock, in brass, connection thread 3/4" BSP (M), with automatic shut-off valve, suitable for the use with horizontally placed drums of 60 l or 208 l.



Art. no. **8571**

Spill containment pallet in high density polyethylene, with grate in polyethylene, suitable for the storage of 2 drums of 208 l, with pallet feet. Sump capacity: 370 l.



Art. no.	Max load capacity	Weight	Dimensions (LxWxH) (mm)
8571	665 kg	36 kg	1418 x 1018 x 515



Art. no. **8571**

Art. no. **8572**

Spill containment pallet in high density polyethylene, with grate in polyethylene, suitable for the storage of up to 4 drums of 208 l, with pallet feet. Sump capacity: 590 l.



Art. no.	Max load capacity	Weight	Dimensions (LxWxH) (mm)
8572	1000 kg	46 kg	1418 x 1418 x 515



Art. no. **8572**

Art. no. **8573**

Spill containment pallet in high density polyethylene, with grate in polyethylene, suitable for the storage of one 1000 l – IBC – tank, with pallet feet. Sump capacity: 1150 l.



Art. no.	Max load capacity	Weight	Dimensions (LxWxH) (mm)
8573	1500 kg	73 kg	1418 x 1418 x 985



Art. no. **8573**

Art. no. **8574**

Spill containment pallet in high density polyethylene, with grate in polyethylene, suitable for the storage of two 1000 l – IBC – tanks, with pallet feet. Sump capacity: 1400 l.



Art. no.	Max load capacity	Weight	Dimensions (LxWxH) (mm)
8574	2500 kg	114 kg	2380 x 1418 x 748



Art. no. **8574**

Art. no. 8217

Double wall tank, external tank in galvanized steel and internal tank in high density polyethylene, suitable for the storage of lubricating oils and diesel. Including 4 connections in 2" on top of the tank, mechanical level indicator, optical leakage detector for eventual leakages in the internal tank, carrying handles and pallet feet for the lifting and the transport with a pallet truck or a forklift from all 4 sides. Approved for indoor installations (*as well art. no. 8217/340 is approved for transportation in accordance with ADR 6.5.4.4.1b).



Art. no. 8217

Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
8217/340*	340 l	55 Kg	770x1280x660
8217/400	400 l	50 Kg	700x730x1170
8217/750	750 l	66 Kg	770x980x1460
8217/1000	1000 l	89 Kg	770x1280x1460
8217/1500	1500 l	151 Kg	700x1630x1870



Art. no. 8580

Art. no. 8581

Art. no. 8582

Storage unit in painted steel, including spill containment pallet with grate in galvanized steel, suitable for the outdoor storage of 208 l – drums of oils and greases. The roof element of the unit can be opened in order to assure a good access and to facilitate the drum change. The doors can be locked.

Art. no.	Storage Capacity	Weight	Dimensions (LxWxH) (mm)
8580	1 drum 208 l	156 kg	870x870x1600
8581	2 drums 208 l	188 kg	1350x860x1570
8582	4 drums 208 l	278 kg	1350x1260x1540



Art. no. 8583

Storage unit in painted steel, including spill containment pallet with grate in galvanized steel, suitable for the outdoor storage of one 1000 l – IBC – tank. The roof element of the unit can be opened in order to assure a good access and to facilitate the tank change. The doors can be locked.

Art. no.	Weight	Dimensions (LxWxH) (mm)
8583	364 kg	1350x1660x1900





Containers in galvanized sheet steel, wall thickness 6/10, provided for the use as a lubricants storage container with the following characteristics:

- two-wing front or lateral doors, 2300 mm (width) x 2200 mm (height), with safety lock and key, or sliding door at the long side;
- floor plate with grate, bores 76 x 34 mm;
- collecting drip pan, height 130 mm, wall thickness 20/10;
- loading rack;
- ventilation grilles.

On demand: with integrated lighting.



Art. no.	Description	Dimensions (mm)
8591	Container in galvanized sheet steel with two-wing front doors	3000 x 2000 x 2400h
8592		4000 x 2000 x 2400h
8593		5000 x 2300 x 2400h
8594		7000 x 2300 x 2400h
8591/S	Container in galvanized sheet steel with two-wing sliding doors at the long side	3000 x 2000 x 2400h
8592/S		4000 x 2000 x 2400h
8593/S		5000 x 2300 x 2400h
8594/S		7000 x 2300 x 2400h

Internal dimensions: - 100 mm in length and width, - 400 mm in height.



Heat insulated containers with panels of 30 mm wall thickness, provided for the use as a lubricants storage container with the following characteristics:

- two-wing front or lateral doors, 2020 mm (width) x 1950 mm (height), with safety lock and key, or sliding door at the long side;
- floor plate with grate, bores 76 x 34 mm;
- collecting drip pan, height 130 mm, wall thickness 20/10;
- loading rack;
- ventilation grilles, in PVC, 230 x 200 mm.

On demand: lighting and power supply kit, with neon roof light, 36 W, bivalent power socket 10 – 16 A + T, residual current protective device 8 M with 3 differentials (overall – lighting – power socket).



Art. no.	Description	Dimensions (mm)
8595	Heat insulated container in galvanized sheet steel with two-wing front doors	3000 x 2400 x 2400h
8596		4000 x 2400 x 2400h
8597		5000 x 2400 x 2400h
8598		7000 x 2400 x 2400h
8599		8000 x 2400 x 2400h
8595/S	Heat insulated container in galvanized sheet steel with two-wing sliding doors at the long side	3000 x 2400 x 2400h
8596/S		4000 x 2400 x 2400h
8597/S		5000 x 2400 x 2400h
8598/S		7000 x 2400 x 2400h
8599/S		8000 x 2400 x 2400h

Internal dimensions: - 100 mm in length and width, - 400 mm in height.

Art. no. 7394

Heating belt for 208 l – drums, 230 VAC, 1 kW, in siliconized and vulcanized, stretchable fabric, including thermostat and 1,5 m – connection cable.



Art. no. 7394

Art. no. 7395

Electric immersion heater, suitable for oils and diesel. Self-regulating, prevents the separation of paraffins at low temperature. Voltage: 230 VAC. Power: 0,22 kW.



Art. no. 7395
Art. no. 7396

Art. no. 7396

Same as art. no. 7395, but power 1,5 kW.



Art. no. 7816

Hose storage rack, in aluminium, for wall mounting. Suitable for a safe and proper storage of supply or suction hoses.



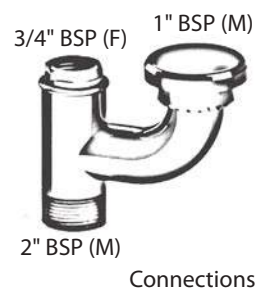
Art. no. 7816

Art. no. 7397

Installation kit for tanks, suitable for the mounting of a ventilation tube and of an overflow protection valve by using the same fitting.



Art. no. 7397



Art. no. 7398

Waste oil suction kit for tanks, \varnothing 28 mm, with connection coupling for suction hose of waste oil collection trucks and with closing cap.

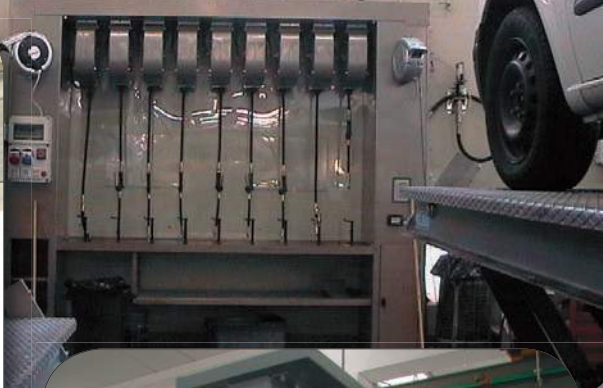


Art. no. 7398

Columns and stands in painted steel for the installation of equipment such as hose reels and other, provided for the installation in a workshop. These systems are very convenient because they permit to optimize the use of the available space for the installation of any dispensing, suction and control equipment or power supply devices.

These units can be designed, manufactured and painted according to our customers' requirements.

On the following pages will be shown some examples of possible versions, such as single row service column, double row service column, open service stand and service stand with cabinet.



Art. no. **9001**

The single post service column (totem) is a convenient, solid and multifunctional working equipment for workshops; it meets the contemporary demands for the improvement of working conditions and safety, combining those with a notable esthetical aspect and a high functionality.

Due to its self – supporting structure it can be set up in any place of the workshop, offering various possibilities of personalization through the selection of its components. The service column allows to concentrate various components and equipment in only one point, such as for example:

- from 2 to 6 encased hose reels, art. no. 9013, for the supply with oils, antifreeze etc. or for the suction of waste oil can be installed on the upper mounting panel of the column which already is supplied with the necessary holes for the fixation. There can be mounted hose reels with hoses of max. 15 m length (oils, antifreeze etc.) or 7 m length (recommended length for waste oil suction),
- the installed hose reels can be transformed into a hose reel battery to improve the esthetical aspect of the unit by using the plastic casing elements to be applied between each hose reel as well as on the extreme left and right one (art. nos. 9780 – 9781 – 9779; see page 241!),
- 2 hose reels art. no. 9400 + 3615 (see page 206!) with 15 m – hose, suitable for the use with air and/or water (low pressure) can be installed in the interior of the upper part of the column,
- 2 electric cable reels with 15 m – electric cable and flash light (art. nos. available on demand!) can be installed in the interior of the upper part of the column,
- 2 electric switchboards, art. nos. 7380 – 7381 – 7382 (depending on the composition of the equipment) can be installed on the side of the column,
- 2 connections for compressed air (one on each side) with quick couplings, pressure regulators with manometer, condensation water separator with or without lubricator (art. Nos. 7180 – 7150; see page 203!) can be installed on the column,
- 1 full width drip tray with gun holders is mounted in the center of the column; the tray also includes hooks for the fixation of control guns and hoses,
- Cabinet with lockable door at the bottom of the column; this cabinet is provided for the installation of a waste oil suction unit (art. nos. 8300 – 8302 – 8303) inside, with a pump activating switch and a vacuum gauge in the lower center of the column,
- Other electronic components, f. ex. the control units of an electronic monitoring system, can also be installed on the column.

The single post service column consists of components in painted steel, it has a max. height of 2750 mm and the sizes of the column (L x W) are 500 x 450 mm.

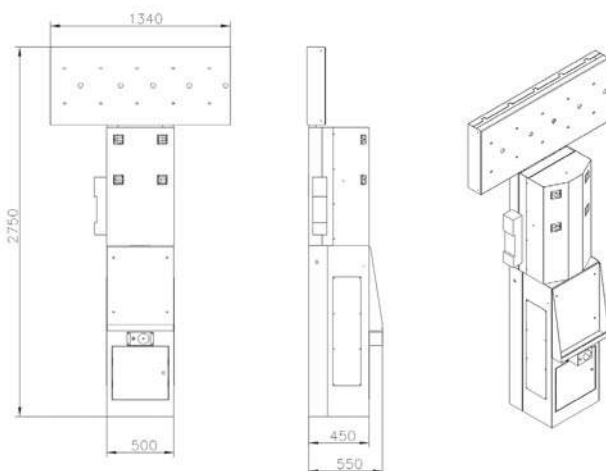
It has a self – supporting structure so that the equipment can also be set up in locations with walls that are not suitable for installing such equipment (f. ex. gypsum plasterboard, glass wall) or where no walls are close.

This system is highly adaptable to the individual requirements of the customer. It is also possible to integrate components that have not been included in the initial installation at a later date.

It can be supplied in any colour according to the RAL - colour record in order to blend well with the colours of other equipment in the workshop and to be in accordance with the CI of the different car manufacturers.

The set up of the service column is easy and convenient and can be done quickly. Also eventual modifications or amendments can be made later without any problem due to the various openings which are reclosable at any time with the included metal covers.

Example of a possible configuration (= art. no. 9001/5M)



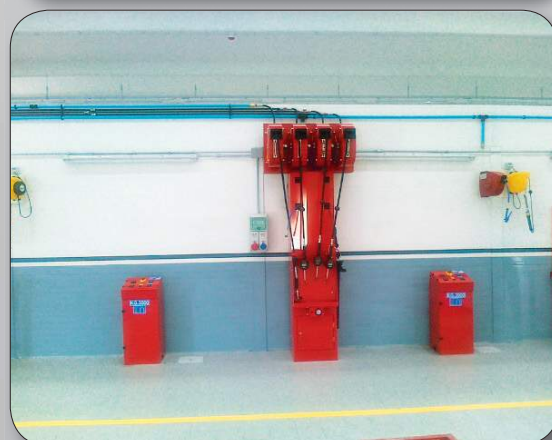
The dimensions refer on the column version for 5 hose reels; the width will vary depending on the number of hose reels required.

In order to facilitate the selection of the necessary components we recommend to choose among the following service column kits:

Description	Art. no.	9001/4P	9001/4B	9001/4S	9001/4M
Quantity of included single post service columns with drip tray	9001	1	1	1	1
Quantity of included encased hose reels for oils and antifreeze with 15 m – hose in 1/2"	9013+28715	3	3	3	3
Quantity of included encased hose reels for waste oil suction with 7 m – hose in 1/2"	9013+28707	1	1	1	1
Quantity of included control guns with flow meter for oils	2826	2	2	2	-
Quantity of included control guns with flow meter for antifreeze	2830	1	1	1	-
Quantity of included electric waste oil suction systems	8303	-	1	1	1
Quantity of included pneumatic waste oil suction systems	3099	1	-	-	-
Quantity of included hose reels for compressed air and/or water	9400+3615	2	2	2	2
Quantity of included electric 230 VAC switchboards	7380	-	-	2	2
Quantity of included electric cable reels with flash light		-	-	2	2
Quantity of included oil monitoring systems	8872	-	-	-	1
Quantity of included plastic casing elements for hose reel battery	9780+9781	-	-	1	1

Description	Art. no.	9001/5P	9001/5B	9001/5S	9001/5M
Quantity of included single post service columns with drip tray	9001	1	1	1	1
Quantity of included encased hose reels for oils and antifreeze with 15 m – hose in 1/2"	9013+28715	4	4	4	4
Quantity of included encased hose reels for waste oil suction with 7 m – hose in 1/2"	9013+28707	1	1	1	1
Quantity of included control guns with flow meter for oils	2826	3	3	3	-
Quantity of included control guns with flow meter for antifreeze	2830	1	1	1	-
Quantity of included electric waste oil suction systems	8303	-	1	1	1
Quantity of included pneumatic waste oil suction systems	3099	1	-	-	-
Quantity of included hose reels for compressed air and/or water	9400+3615	2	2	2	2
Quantity of included electric 230 VAC switchboards	7380	-	-	2	2
Quantity of included electric cable reels with flash light		-	-	2	2
Quantity of included oil monitoring systems	8872	-	-	-	1
Quantity of included plastic casing elements for hose reel battery	9780+9781	-	-	1	1

Description	Art. no.	9001/6P	9001/6B	9001/6S	9001/6M
Quantity of included single post service columns with drip tray	9001	1	1	1	1
Quantity of included encased hose reels for oils and antifreeze with 15 m – hose in 1/2"	9013+28715	5	5	5	5
Quantity of included encased hose reels for waste oil suction with 7 m – hose in 1/2"	9013+28707	1	1	1	1
Quantity of included control guns with flow meter for oils	2826	4	4	4	-
Quantity of included control guns with flow meter for antifreeze	2830	1	1	1	-
Quantity of included electric waste oil suction systems	8303	-	1	1	1
Quantity of included pneumatic waste oil suction systems	3099	1	-	-	-
Quantity of included hose reels for compressed air and/or water	9400+3615	2	2	2	2
Quantity of included electric 230 VAC switchboards	7380	-	-	2	2
Quantity of included electric cable reels with flash light		-	-	2	2
Quantity of included oil monitoring systems	8872	-	-	-	1
Quantity of included plastic casing elements for hose reel battery	9780+9781	-	-	1	1



Art. no. **9005**

The double post service stand is a convenient, solid and multifunctional working equipment for workshops; it meets the contemporary demands for the improvement of working conditions and safety, combining those with a notable esthetical aspect and a high functionality.

Due to the installation of the hose reels on the lower side of the crossbeam of the stand frame the use from both sides is possible. The required space in width is limited to only 490 mm.

Due to its self – supporting structure the service stand can be set up in any place of the workshop, also in locations with walls that are not suitable for installing such equipment (f. ex. gypsum plasterboard, glass wall) or where no walls are close (f. ex. in the center of a workshop, between two working places with lifts or between two service pits).

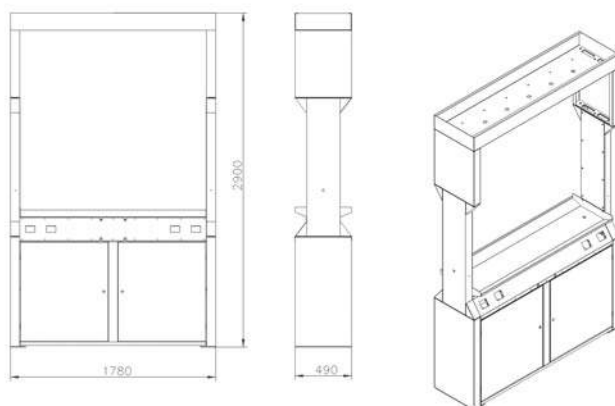
It is offering various possibilities of personalization through the selection of its components and allows to concentrate various components and equipment in only one point, such as for example:

- From 3 to 8 encased hose reels, art. no. 9013, for the supply with oils, antifreeze etc. or for the suction of waste oil can be installed on the lower side of the crossbeam which already is supplied with the necessary holes for the fixation. There can be mounted hose reels with hoses of max. 15 m length (oils, antifreeze etc.) or 7 m length (recommended length for waste oil suction).
- On demand also other versions for a different quantity of hose reels or with hose reels of other hose lengths are available,
- Metal shelves for the storage of spare parts, tools etc. in which can also be installed up to 4 hose reels for compressed air and/or water, art. no. 9400+3615 (see page 206!), or up to 4 electric cable reels with flash light (art. nos. available on demand!). These are mounted in between the drip tray and the floor and allow to use also the space between the two posts of the service stand.
- A metal cabinet with two lockable doors can be installed around the metal shelves. It consists of a metal ground plate, one or two (depending on the individual requirements) lateral plates, each with a door component and a central stop post (totally 4 doors) as well as a front plate (prepared to be mounted under the drip tray) with integrated roller guide assemblies for hoses or cables.
- The installed hose reels can be transformed into a hose reel battery to improve the esthetical aspect of the unit by using the plastic casing elements to be applied between each hose reel as well as on the extreme left and right one (art. nos. 9780 – 9781 – 9779; see page 241!).
- 2 electric switchboards, art. nos. 7380 – 7381 – 7382 (depending on the composition of the equipment) can be installed on the sides of the service stand.
- 2 connections for compressed air (one on each side) with quick couplings, pressure regulators with manometer, condensation water separator with or without lubricator (art. nos. 7180 – 7150; see page 203!) can be installed on the service stand.
- 1 full width drip tray with gun holders is mounted in between the two posts of the stand, under the hose reels. The tray is equipped with a grate which also includes hooks for the fixation of control guns and hoses. The external sides of the tray are declined so that the oil from oil filters which are eventually put on the grate can flow off.
- Other electronic components, f. ex. the control units of an electronic monitoring system, can also be installed on the service stand.

The double post service stand consists of components in painted steel, it has a max. height of 2800 mm and the sizes of the posts (L x W) are 80 x 490 mm. The system permits the connection to a pipe system arriving from above (wall or ceiling mounted pipes, compressed air pipes) or arriving from the ground.

It can be supplied in any colour according to the RAL - colour record in order to blend well with the colours of other equipment in the workshop and to be in accordance with the CI of the different car manufacturers.

Example of a possible configuration



The dimensions refer on the column version for 6 hose reels; the width will vary depending on the number of hose reels required.

In order to facilitate the selection of the necessary components we recommend to choose among the following service stand kits:

Description	Art. no.	9005/5P	9005/5B	9005/5S	9005/5M
Quantity of included double post service stands with drip tray	9005	1	1	1	1
Quantity of included encased hose reels for oils and antifreeze with 15 m – hose in 1/2"	9013+28715	4	4	4	4
Quantity of included encased hose reels for waste oil suction with 7 m – hose in 1/2"	9013+28707	1	1	1	1
Quantity of included control guns with flow meter for oils	2826	3	3	3	-
Quantity of included control guns with flow meter for antifreeze	2830	1	1	1	-
Quantity of included electric waste oil suction systems	8303	-	1	1	1
Quantity of included pneumatic waste oil suction systems	3099	1	-	-	-
Quantity of included hose reels for compressed air and/or water	9400+3615	2	2	2	2
Quantity of included electric 230 VAC switchboards	7380	-	-	2	2
Quantity of included electric cable reels with flash light		-	-	2	2
Quantity of included oil monitoring systems	8872	-	-	-	1
Quantity of included plastic casing elements for hose reel battery	9779	-	-	4	4

Description	Art. no.	9005/6P	9005/6B	9005/6S	9005/6M
Quantity of included single post service columns with drip tray	9005	1	1	1	1
Quantity of included encased hose reels for oils and antifreeze with 15 m – hose in 1/2"	9013+28715	5	5	5	5
Quantity of included encased hose reels for waste oil suction with 7 m – hose in 1/2"	9013+28707	1	1	1	1
Quantity of included control guns with flow meter for oils	2826	4	4	4	-
Quantity of included control guns with flow meter for antifreeze	2830	1	1	1	-
Quantity of included electric waste oil suction systems	8303	-	1	1	1
Quantity of included pneumatic waste oil suction systems	3099	1	-	-	-
Quantity of included hose reels for compressed air and/or water	9400+3615	2	2	2	2
Quantity of included electric 230 VAC switchboards	7380	-	-	2	2
Quantity of included electric cable reels with flash light		-	-	2	2
Quantity of included oil monitoring systems	8872	-	-	-	1
Quantity of included plastic casing elements for hose reel battery	9779	-	-	5	5

Description	Art. no.	9005/7P	9005/7B	9005/7S	9007/7M
Quantity of included single post service columns with drip tray	9005	1	1	1	1
Quantity of included encased hose reels for oils and antifreeze with 15 m – hose in 1/2"	9013+28715	6	6	6	6
Quantity of included encased hose reels for waste oil suction with 7 m – hose in 1/2"	9013+28707	1	1	1	1
Quantity of included control guns with flow meter for oils	2826	5	5	5	-
Quantity of included control guns with flow meter for antifreeze	2830	1	1	1	-
Quantity of included electric waste oil suction systems	8303	-	1	1	1
Quantity of included pneumatic waste oil suction systems	3099	1	-	-	-
Quantity of included hose reels for compressed air and/or water	9400+3615	2	2	2	2
Quantity of included electric 230 VAC switchboards	7380	-	-	2	2
Quantity of included electric cable reels with flash light		-	-	2	2
Quantity of included oil monitoring systems	8872	-	-	-	1
Quantity of included plastic casing elements for hose reel battery	9779	-	-	6	6



In the phase of the design and the installation of a centralized system for the distribution of fluids it is extremely important to select the appropriate pipework components in order to reach the best possible performances of the dispensing equipment and to optimize like that the productivity.

For the choice of the suitable pipework components therefore must be considered the distances between pumps and dispensing points, the required deliveries in liters per minute, the simultaneity of various dispenses, the level differences in the pipework, the characteristics of the dispensed liquid and the surrounding temperature.

Based on its experience of more than 500 designed and carried out centralized pipework installations, Flexbimec advises for the oil distribution high pressure steel pipes according to norm DIN 2391 and pipe connection elements according to DIN 2353, as well as high pressure shut-off valves, pressure reduction valves, pressure relief valves and non-return valves, rubber hoses according to SAE R1T for oils, antifreeze, diesel and similar liquids and high pressure rubber hoses according to SAE R2T for grease and water at high pressure.

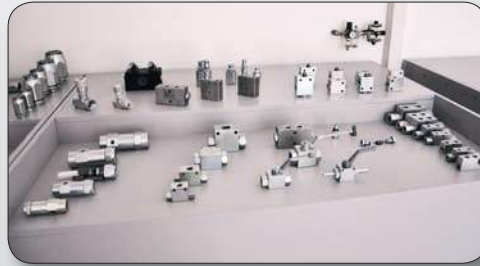
On the following pages are some recommendations of the essential components for professional pipework installations. For selecting the suitable hoses please see pages 36 and 68 of this catalogue.

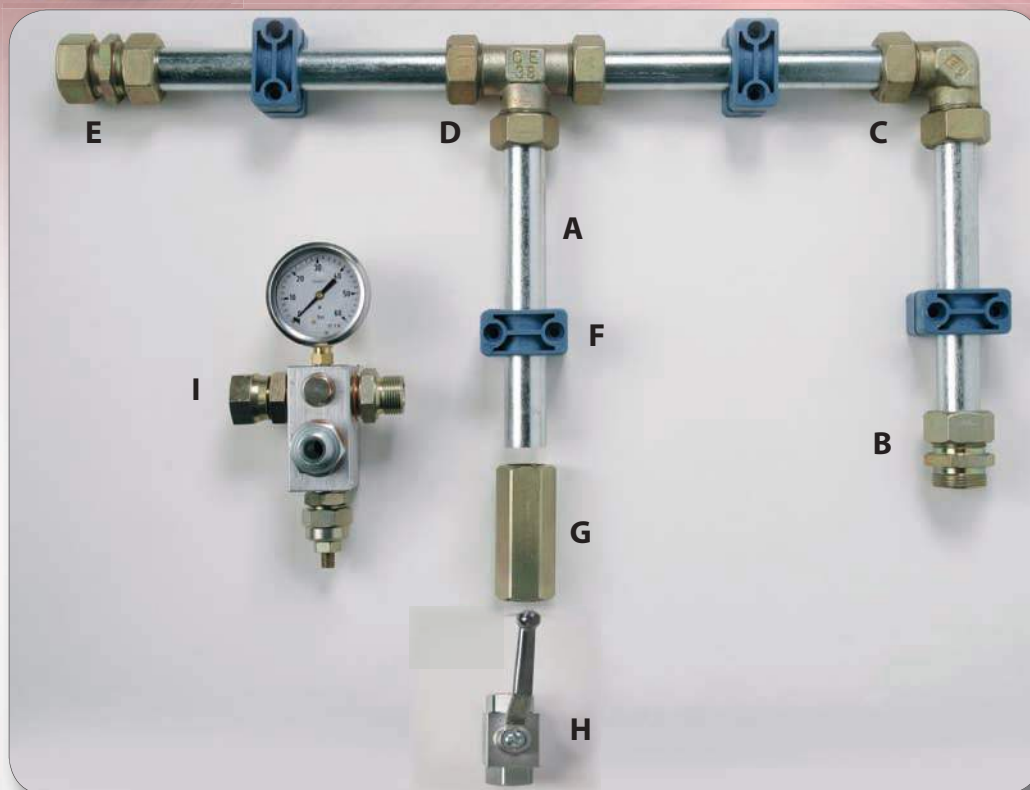
If you would like to see our complete range of pipework components and fittings including all essential technical details, please ask for our specialized OFC catalogue!

OFC is our brand specialized in the production of valves and other hydraulic components.



OFC offers a wide range of high quality products, among them pressure relief valves, non-return valves, differential control valves, unidirectional valves, compensator valves, straight and 90° - swivel joints, unidirectional and bidirectional flow regulator valves, high pressure ball valves, parachute valves with automatic shut-off, solenoid-actuated valves, etc.





- A** Hydraulic rigid seamless steel pipe, DIN 2391, max working pressure 200 bar, wall thickness 2 mm.
- B** Straight compression type fitting, DIN 2353.
- C** Elbow compression type fitting, DIN 2353.
- D** T – compression type fitting, DIN 2353.
- E** Intermediate compression type fitting, DIN 2353.
- F** Fixation clamp.
- G** Non-return valve.
- H** Shut-off valve, M-F.
- I** Pressure relief valve.

Type	Ø 18	Ø 25	Ø 28	Ø 35	1/2"	3/4"	1"
A	Art. no. 9818	Art. no. 9825	Art. no. 9828	Art. no. 9838	-	-	-
B	Art. no. 9839	Art. no. 9847	Art. no. 9851	Art. no. 9855	-	-	-
C	Art. no. 9840	Art. no. 9846	Art. no. 9850	Art. no. 9854	-	-	-
D	Art. no. 9858	Art. no. 9848	Art. no. 9852	Art. no. 9856	-	-	-
E	Art. no. 9859	Art. no. 9845	Art. no. 9849	Art. no. 9853	-	-	-
F	Art. no. 9841	Art. no. 9844	Art. no. 9842	Art. no. 9857	-	-	-
G	-	-	-	-	Art. no. 6641	Art. no. 6643	Art. no. 6640
H	-	-	-	-	Art. no. 7241	Art. no. 7240	Art. no. 7239
I	-	-	-	-	Art. no. 2259	Art. no. 2260	Art. no. 2258

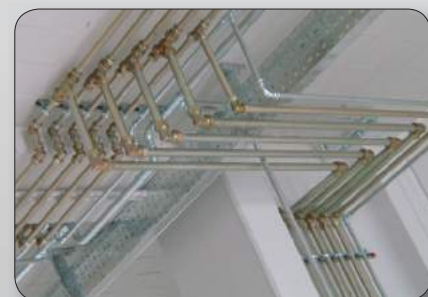


Art. no. **9843**

Metal bar 28x30 mm, suitable for the mounting of fixation clamps (F).

Art. no. **9872**

Metal L – bracket, suitable for the fixation overhang of rigid pipes.



Art. no. **9817**

Adhesives for the indication of the different liquids, to be applied on the pipes. Dimensions: 150x30 mm. The standard versions available are:

- OIL 1
- OIL 2
- OIL 3
- WASTE OIL
- ANTIFREEZE
- WASTE ANTIFREEZE
- AIR
- WATER

Adhesives with different or customized descriptions are available as of a minimum order of 50 pieces.



Pressure relief valve, suitable for lubricants pipeworks. Body in aluminium alloy and cartridge in galvanized steel.

Includes glycerin manometer with graduation 0 – 60 bar and regulation screw for the selection of the max. applicable pressure.

Connections (BSP): inlet F – outlet M.



Art. no.	Diameter	Regulation range	Max flow rate	Max pressure
2259	1/2" BSP	from 5 to 50 bar	70 l/min	70 bar
2260	3/4" BSP	from 5 to 50 bar	80 l/min	70 bar
2258	1" BSP	from 5 to 50 bar	90 l/min	70 bar



Non-return valve with high pressure gate valve, suitable for lubricants pipeworks. Body in galvanized steel, on demand also in stainless steel. Opening pressure 0,5 bar (on demand also 4 bar or 8 bar). Connections (BSP): inlet F – outlet F.

Art. no.	Diameter	Max pressure	Max flow rate	Dimensions (mm)
6639	1/4" BSP	400 bar	30 l/min	58 x 21 x 19
6641	1/2" BSP	350 bar	90 l/min	71 x 33 x 30
6643	3/4" BSP	300 bar	130 l/min	83 x 40 x 36
6640	1" BSP	280 bar	180 l/min	106 x 57 x 50
6648	1' 1/4" BSP	260 bar	250 l/min	125 x 63 x 55



Pressure reduction valve with high pressure gate valve, suitable for lubricants pipeworks. Body in galvanized steel, on demand also in stainless steel.

Connections (BSP): inlet F – outlet F.

Art. no.	Diameter	Regulation range	Max pressure	Max flow rate
6650	1/2" BSP	from 5 to 50 bar	320 bar	45 l/min
6651	3/4" BSP	from 5 to 50 bar	300 bar	85 l/min
6652	1" BSP	from 5 to 50 bar	250 bar	140 l/min



Parachute valve for lubricants pipeworks: blocks automatically the flow of lubricants inside of the pipework in case of leakages caused by failures or cracks of pipe components. Body in galvanized steel.

Art. no.	Diameter	Regulation range	Max pressure	Max flow rate
6670	1/2" BSP	from 10 to 70 l/min	350 bar	80 l/min
6671	3/4" BSP	from 30 to 140 l/min	350 bar	150 l/min
6672	1" BSP	from 40 to 170 l/min	350 bar	180 l/min



Art. no. **2257**

Pressure relief valve for pneumatic pumps of series POWER BULL; regulation range 0 – 50 bar.



High pressure ball valve, with full port and lever handle, suitable for lubricants pipeworks. Body in galvanized steel. Connections (BSP): inlet F – outlet F.

Art. no.	Diameter	Max flow rate	Max pressure
7244	1/4" BSP	30 l/min	500 bar
7242	3/8" BSP	50 l/min	500 bar
7241	1/2" BSP	80 l/min	500 bar
7240	3/4" BSP	120 l/min	350 bar
7239	1" BSP	160 l/min	350 bar
7238	1' 1/4" BSP	160 l/min	280 bar



Flow regulator valve, conical type, unidirectional. Body in galvanized steel. Connections (BSP): inlet F – outlet F.

Art. no.	Diameter	Regulation range	Max pressure	Max flow rate
6654	1/2" BSP	from 0 to 50 l/min	350 bar	50 l/min
6655	3/4" BSP	from 0 to 80 l/min	300 bar	80 l/min
6656	1" BSP	from 0 to 110 l/min	250 bar	110 l/min



Flow regulator valve, 90° - elbow type, unidirectional. Body in galvanized steel. Connections (BSP): inlet F – outlet F.

Art. no.	Diameter	Regulation range	Max pressure	Max flow rate
6660	1/2" BSP	from 0 to 50 l/min	320 bar	50 l/min
6661	3/4" BSP	from 0 to 80 l/min	300 bar	80 l/min
6662	1" BSP	from 0 to 110 l/min	250 bar	110 l/min



Swivel joint, straight type, with ball valve, self – lubricating. Body in galvanized steel, on demand also in stainless steel AISI 304. Connections (BSP): inlet F – outlet F.

Art. no.	Diameter	Max static pressure	Max dynamic pressure	Max flow rate
6690	1/4" BSP	400 bar	300 bar	25 l/min
6691	1/2" BSP	360 bar	220 bar	80 l/min
6692	3/4" BSP	310 bar	200 bar	120 l/min
6693	1" BSP	280 bar	150 bar	150 l/min
6694	1' 1/4" BSP	250 bar	150 bar	200 l/min



Swivel joint, 90° - type, with ball valve, self – lubricating. Body in galvanized steel, on demand also in stainless steel AISI 304. Connections (BSP): inlet F – outlet F.

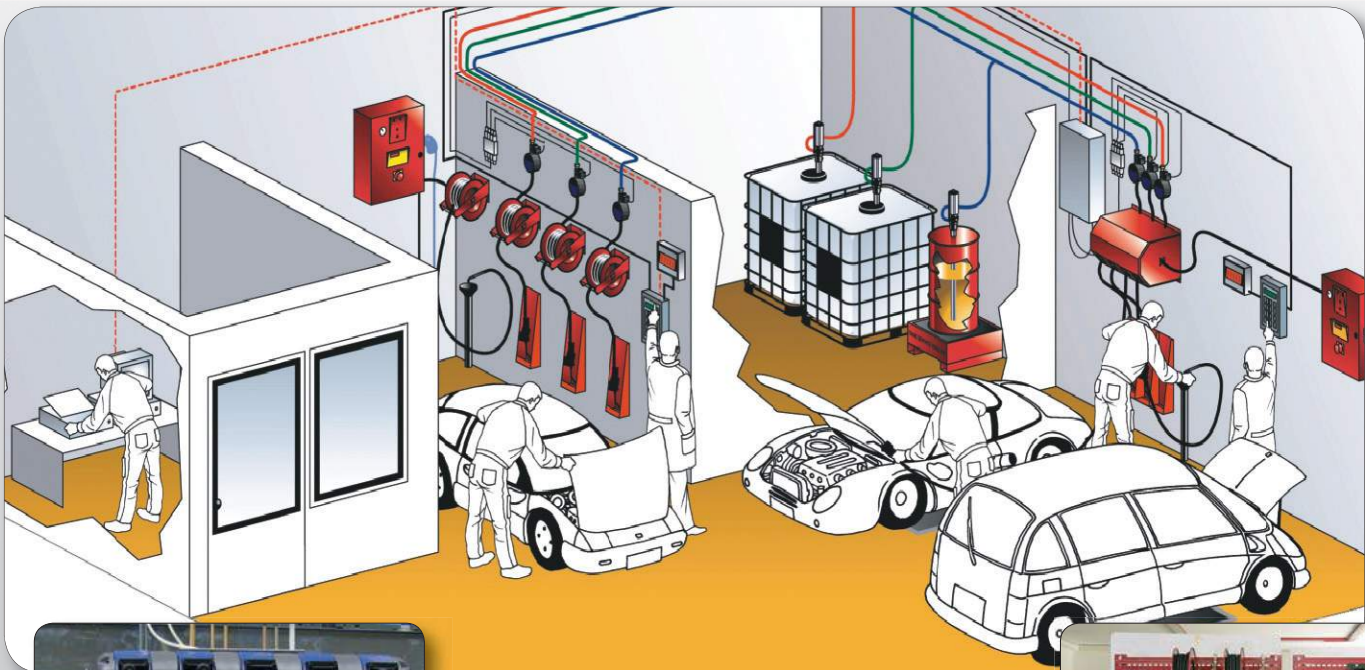
Art. no.	Diameter	Max static pressure	Max dynamic pressure	Max flow rate
6695	1/4" BSP	400 bar	300 bar	25 l/min
6696	1/2" BSP	360 bar	220 bar	80 l/min
6697	3/4" BSP	310 bar	200 bar	120 l/min
6698	1" BSP	280 bar	150 bar	150 l/min
6699	1' 1/4" BSP	250 bar	150 bar	200 l/min

Electronic monitoring systems are highly customizable modular units for the control of the lubricant dispenses in a workshop. They enable the owner or the operator to get a precise, efficient and safe information on each single dispense, eliminating any possible deviation, caused by theft or non-authorized dispenses, in the purchased and sold oil quantity. The amortization of the financial investment in such a system therefore will quickly be achieved by a notable reduction in the consumption of lubricants that can be visualized in the periodical reports.

Besides that these systems also permit a continuous control of the lubricants inventory in a workshop, recording each reduction caused by dispenses immediately.

The use of these systems is easy, even for non-experts. They are connected with a usual PC with an operating system in Windows®. Each transaction can be printed out immediately or can be stored and printed out gradually in a summary of various dispenses.

For being able to carry out a dispense of oil the operator must first identify himself by entering his personal identification code on the keypad. Then he can also enter a job order number, the vehicle registration number, the mileage of the vehicle, and of course select the required product type, the quantity to be dispensed and the outlet to be used for the dispense. After the dispense all this data will automatically be stored, considering only the quantity that has really been dispensed. The system assures an absolute security which is guaranteed by different password levels 1) for the operators, 2) for the supervisor and 3) for the workshop owner or the person responsible for the installation and configuration of the system.



FLUID KEEPER is a modular monitoring system which allows to control up to 16 different oil types or antifreeze, and up to 64 different dispensing points.

Each dispense of a lubricant made by the operators is electronically registered, transmitted to a PC and administrated in a Windows – based programme.

The level of each container is automatically and continuously updated and a message is sent if the (presetable) minimum level has been reached in a container or the system is blocked if another (presetable) “stop” level has been reached.

In order to make a dispense the operator must:

- enter his personal 4 – digits – identification code;
- enter the internal job order number;
- indicate the vehicle registration number;
- select the oil type;
- enter the quantity to be dispensed.

After a short waiting period (presetable) which allows the operator to take the corresponding control gun, it is possible to start the dispense by pulling the trigger. When the preset quantity has been reached the system automatically stops the dispense.

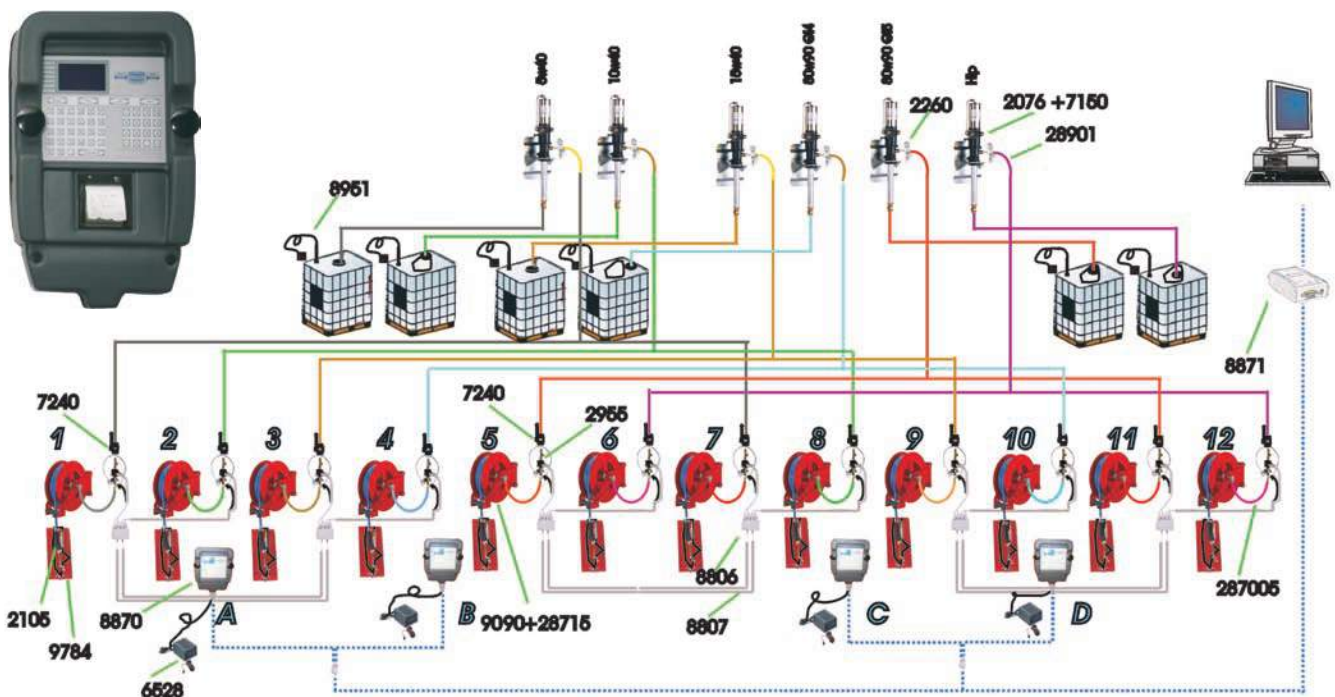
If the preset dispensing quantity should be higher than the really required quantity, it is possible to interrupt the dispense by releasing the trigger of the control gun. The system will automatically registrate eventual differences between the preset and the really dispensed quantity and transmit to the PC only the effective dispensing data.

All data can be extracted and printed out in periodical statistics based on operator, job order number, date, oil type, container or vehicle.

Furthermore the system permits the extension with additional components (optional), such as:

- ticket printer for a report on each individual dispense;
- bar code reader for scanning the data of each transaction;
- security sensors detecting the internal pressures of the pipework;
- remote display for the visualization of the dispensed quantity.

Art. no. 8870

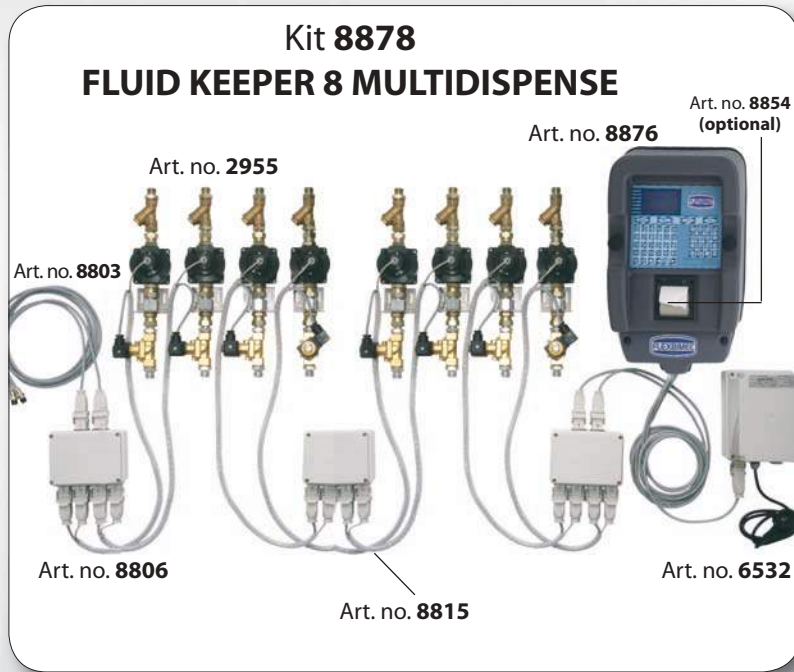


KIT 8878

Example of a configuration for a FLUID KEEPER 8 MULTIDISPENSE system for 8 dispensing points.

Basic composition:

- 8 pcs. art. no. 2955
- 1 pc. art. no. 8876
- 5 m of art. no. 8815
- 1 pc. of art. no. 8874
- 1 pc. art. no. 6532
- 4 pcs. art. no. 8806
- 20 m art. no. 8803



Art. no. 2955

Electronic oval gears flow meter with pulse transmitter, suitable for oil and antifreeze, including a 24 VDC - solenoid valve, an inline filter and a wall bracket. One unit must be installed close to each dispensing point of the system.

Art. no. 8876

Control unit FLUID KEEPER 8 MULTIDISPENSE with alphanumeric keyboard and display. One control unit is necessary per 8 dispensing points.

Art. no. 6532

Transformer / stabilizer 230 VAC - 24 VDC, 7,5 A, IP 55, for the power supply of the control unit art. no. 8876. One transformer / stabilizer is necessary for each control unit.

Art. no. 8806

Junction box for the connection of flow meters with pulse transmitter and control unit. One junction box is recommended per 2 flow meters with pulse transmitter.

Art. no. 8854

Thermal printer (optional), can be connected to the CANBUS of the control unit. Required for printing a ticket of each individual dispense.

Art. no. 8803

Network cable (sold by the meter).

Art. no. 8815

Solenoid and pulse transmitter cable 2 x 1 PBFEN/14 (sold by the meter).

Art. no. 8874

CD with FLUID KEEPER 8 MULTIDISPENSE monitoring software for Windows® operating systems (XP, 7, 8) + interface unit with 230 VAC power supply module, cable and plug. One software and interface unit is necessary for the complete system.



Art. no. 8795

Bar code reader for FLUID KEEPER 8 MULTIDISPENSE system. Allows to scan all data that can be read by the software. The bar code reader must be connected to an alphanumeric keyboard unit, art. no. 8877. With only one quick transaction all necessary data can be read, avoiding like that any possible errors eventually occurring when entering the data manually on the keyboard.





Art. no. **8854**
(optional)

Art. no. **8876**
Art. no. **8877**

The system FLUID KEEPER 8 MULTIDISPENSE offers plenty of additional functions compared to the basic version. These are:

- Each control unit allows the monitoring of up to 8 dispensing points and the simultaneous dispense of lubricants in various of them;
- On the connected PC the required measuring unit (liters, gallons, pints, quarts) can quickly be chosen;
- Data entry with a bar code reader (optional) helps to avoid possible errors and to increase operations velocity;
- Wide monitoring of dispensing jobs and dispensing quantities: preset, free or serial mode;
- Management of suppliers: possibility to automatically send emails when predefined minimum levels in lubricants storage tanks have been reached; the operator can send emails to different email addresses and to different suppliers.
- Intuitive graphical interface software.

Art. no. **8876**

Control unit FLUID KEEPER 8 MULTIDISPENSE with alphanumerical keyboard and display. One control unit is necessary per 8 dispensing points and allows also simultaneous dispensing in various dispensing points. There can be installed up to 8 control units in the system.

Art. no. **8877**

Alphanumerical keyboard with display without memory that can be installed optionally and allows to activate any of the connected dispensing points of the system. There can be installed up to 40 of these keyboards in the system.



Art. no. **8854**
(optional)

Art. no. **8879**

Art. no. **8879**

Control unit FLUID KEEPER 8 MOBILE with touch screen 7" (185 x 98 mm).



Art. no. **8874**

Art. no. **8874**

Self – installing CD with FLUID KEEPER 8 MULTIDISPENSE monitoring software for Windows® operating systems (XP, 7, 8) + interface unit with 230 VAC power supply module, cable and plug. One software and interface unit is necessary for the complete system.

Art. no. **8884**

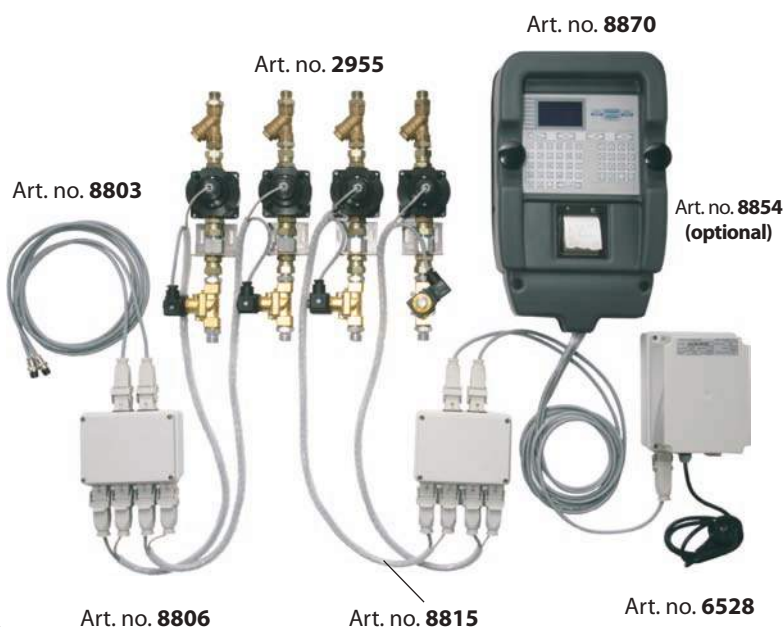
Software FLUID KEEPER 8 MOBILE for Tablet in Windows® operating systems (7, 8). The Tablet can be used as a mobile keyboard and allows to activate and manage any of the connected dispensing points of the system. The area must be covered by wireless signal through access point.

Kit 8872 - Configuration for a FLUID KEEPER 4 system for 4 dispensing points.

Basic composition:

- 4 pcs. art. no. 2955
- 1 pc. art. no. 8870
- 5 m of art. no. 8815
- 1 pc. art. no. 8871
- 1 pc. art. no. 6528
- 2 pcs. art. no. 8806
- 5m of art. no. 8803

Kit 8872 - FLUID KEEPER



KIT 8873 - Configuration for STAINLESS STEEL FLUID KEEPER for 4 dispensing points.

Basic composition:

- 4 pcs. art. no. 1955
- 1 pc. art. no. 8876
- 2 pcs. art. no. 8806
- 5 m of art. no. 8803
- 1 pc. art. no. 6528
- 1 pc. art. no. 8871
- 5 m of art. no. 8815

Art. no. 2955

Electronic oval gears flow meter with pulse transmitter, suitable for oil and antifreeze, including a 24 VDC - solenoid valve, an inline filter and a wall bracket. One unit must be installed close to each the dispensing point of the system.

Art. no. 8870

Control unit FLUID KEEPER 4 with alphanumerical keyboard and display. One control unit is necessary per 4 dispensing points.

Art. no. 6528

Transformer / stabilizer 230 VAC - 24 VDC, 5 A, IP 55, for the power supply of the control unit art. no. 8870. One transformer / stabilizer is necessary for each control unit.

Art. no. 8806

Junction box for the connection of flow meters with pulse transmitter and control unit. One junction box is recommended per 2 flow meters with pulse transmitter.

Art. no. 8854

Thermal printer (optional), can be connected to the CANBUS of the control unit. Required for printing a ticket of each individual dispense.

Art. no. 8803

Network cable (sold by the meter).

Art. no. 8815

Solenoid and pulse transmitter cable 2 x 1 PBFCE/14 (sold by the meter).

Art. no. 8871

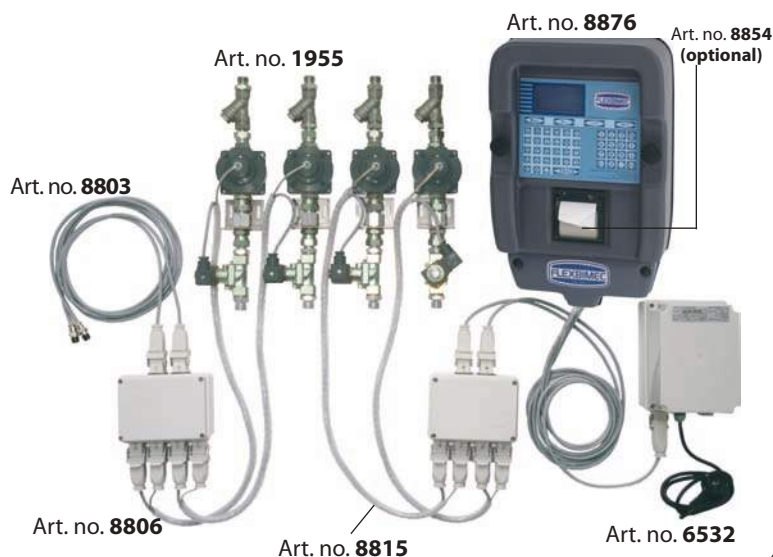
CD with FLUID KEEPER 4 monitoring software for Windows® operating systems (XP, 7, 8) + interface unit with 230 VAC power supply art. no. 1955, cable and plug. One software and interface unit is necessary for the complete system.

Art. no. 1955

Electronic oval gears flow meter with stainless steel body with pulse transmitter, suitable for oil and antifreeze, including a 24 VDC - solenoid valve, an inline filter and a wall bracket. One unit must be installed close to each the dispensing point of the system.



Kit 8873 - FLUID KEEPER INOX



The electronic dosing system **AUTOMATIC FILLS** allows the dosage of different, preset quantities of a fluid lubricant.

It is particularly suitable in applications where a continuous accuracy in the dosage is required such as in industrial production systems with automated, constant and continuous dispenses of oil. This dosing system is an essential component in assembly lines with repeated dispenses of a preset quantity and can be used with any kind of container.

Art. no. **8864**



Art. no. **8857**



Art. no. **8857**

Electronic dosing unit AUTOMATIC FILLS, prepared for the preset of 4 different modifiable quantities of a fluid lubricant that shall be dispensed.

Art. no. **8864**

Electronic dosing unit AUTOMATIC FILLS, touch screen version.

Kit **8867**

Kit composed of:

- 1 electronic dosing unit AUTOMATIC FILLS, art. no. 8857;
- 1 electronic oval gears flow meter with pulse transmitter, 24 VDC - solenoid valve, inline filter and wall bracket, art. no. 2955;
- 1 transformer / stabilizer 230 VAC - 12 VDC, art. no. 6528;
- 1 remote control switchboard, art. no. 7383.

Art. no. **2958**

OPTIONAL: Oil control gun with push button for activation of dispense run.

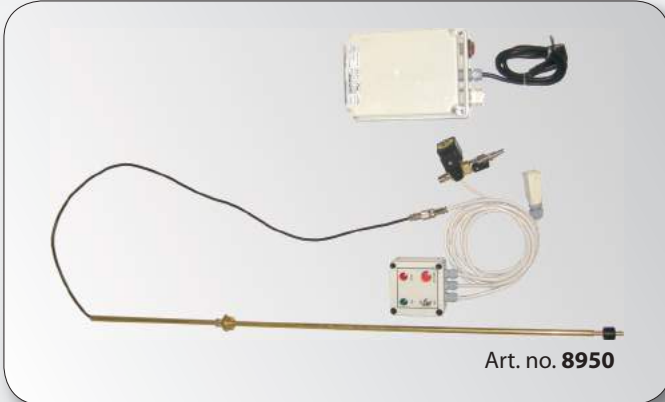


Art. no. **2958**



The level gauges of series PUMPSTOP are suitable for the use with all pneumatic oil pumps. They stop the pump when the oil in a container is going to run out and like that prevent air to enter into the system which would create a mixture of oil and air that would cause wrong measurement results of the connected flow meters.

The kit is composed of a probe with level sensor, a solenoid valve for the shut-off of the compressed air, a transformer / stabilizer for the power supply and a warning light with horn (for art. nos. 8951, 8953). The probe is inserted into a drum through its 3/4" – opening and is also fixed there (in case of tanks using a suitable 3/4" – 2" adapter). When the minimum oil level is reached, an electric impulse is transmitted to the solenoid actuated shut-off valve which interrupts the compressed air supply, stops immediately the pneumatic oil pump and activates an acoustical and optical alarm.



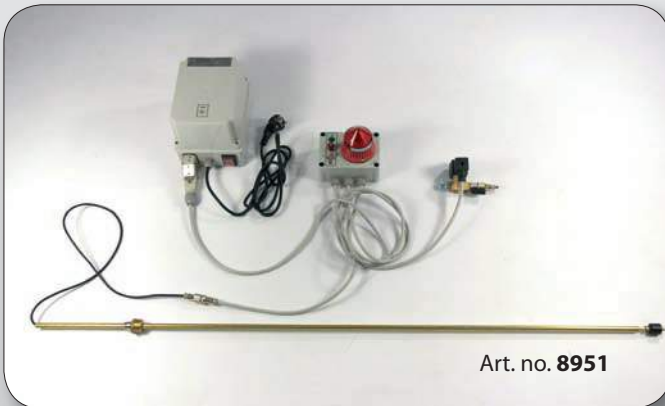
Art. no. 8950

Art. no. 8950

PUMPSTOP

Low level pump stop kit, composed of:

- level probe, suitable for the use in 208 l – drums and 1000 l - IBC - tanks, length 1200 mm, art. no. 8908;
- ON-OFF switch;
- bypass push button which allows to continue the oil flow again after it has been stopped;
- solenoid-actuated shut-off valve for the compressed air, art. no. 7362;
- transformer / stabilizer 230 VAC – 24 VDC, art. no. 6528;
- electric connection cable, length 2 m.



Art. no. 8951

Art. no. 8951

PUMPSTOP

Low level pump stop kit, composed of:

- level probe, suitable for the use in 208 l – drums and 1000 l - IBC - tanks, length 1200 mm, art. no. 8908;
- ON-OFF switch;
- warning light with horn, art. no. 8920;
- bypass push button which allows to continue the oil flow again after it has been stopped;
- solenoid-actuated shut-off valve for the compressed air, art. no. 7362;
- transformer / stabilizer 230 VAC – 24 VDC, art. no. 6528;
- electric connection cable, length 2 m.



Art. no. 8953

Art. no. 8953

PUMPSTOP

Low level pump stop kit with double alarm, composed of:

- level probe, suitable for the use in 208 l – drums and 1000 l - IBC - tanks, length 1200 mm, with two sensors for indication of reserve and stop level, art. no. 8909;
- ON-OFF switch;
- warning light with horn, art. no. 8920;
- bypass push button which allows to continue the oil flow again after it has been stopped;
- solenoid-actuated shut-off valve for the compressed air, art. no. 7362;
- transformer / stabilizer 230 VAC – 24 VDC, art. no. 6528;
- electric connection cable, length 2 m.

When the minimum stop level has been reached, the warning light is activated. As soon as also the stop level has been reached, also the horn is activated and the shut-off valve interrupts the compressed air supply so that the connected pneumatic pumps are stopped.





Art. no. **8307**

Art. no. **8307**

Overfill protection kit for waste oil, stops the oil flow immediately when the maximum filling level in a tank has been reached.

The kit is composed of:

- high level probe, with connection M 3/4" BSP and length 300 mm, art. no. 8905;
- warning light with horn, art. no. 8920;
- solenoid-actuated oil flow shut-off valve, with connection 1" BSP (M), art. no. 7365;
- electronic control switch;
- transformer / stabilizer 230 VAC – 24 VDC, art. no. 6528.



Art. no. **8309**

Art. no. **8309**

Overfill protection kit for waste oil, stops the oil flow immediately when the maximum filling level in a tank has been reached.

The kit is composed of:

- high level probe, with **two sensors** for indication of maximum and stop level, with connection M 3/4" BSP and length 300 mm;
- warning light with horn, art. no. 8920;
- solenoid-actuated oil flow shut-off valve, with connection 1" BSP (M), art. no. 7365;
- electronic control switch;
- transformer / stabilizer 230 VAC – 24 VDC, art. no. 6528.



Art. no. **8752**

Art. no. **8752**

Mechanical level gauge with floater and analogical measuring scale, suitable for 208 l – drums.

Easy to install and easy to read; it is inserted into a drum through its 3/4" – opening and is also fixed there.

On demand also available with measuring scale in gallons.





Art. no. **8745**

Electronic tank level monitoring unit.

Composed of:

- a 10 m - tube for the measurement of the static pressure of the liquid; it is inserted into the tank until its endpiece reaches the bottom of the tank;
- a control unit for displaying the level value and for monitoring the system, including a software that enables the user to configure the system by entering tank type and dimensions, level indications, alarm levels, measuring units and to calibrate the unit. Depending on the alarm levels that have been preset, the control unit will transmit an impulse in order to activate eventually connected alarm devices or in order to interrupt the power supply of the installed equipment.

In case of ordering, please inform for which kind of liquid the monitoring unit shall be used.

Max height: 4 m
Max length of tube: 50 m
Max viscosity of liquid: 30 cSt



Art. no. **7340**

Art. no. **7340**

Timer (daily/weekly) for the preset activation of solenoid valve art. no. 7360

Art. no. **7360**

Solenoid-actuated security valve, 24 VDC, connections 1/2" BSP, for the shut-off of the compressed air supply. If the valve is installed into the compressed air circuit, the compressed air from the air pipe is discharged at the end of the labor time. This can be done by hand or also automatically if the valve is connected with the timer, art. no. 7340.

Electric power supply through transformers / stabilizers art. nos. 6528 or 6529.



Art. no. **7355**

Art. no. **7361+7355**

Solenoid-actuated security valve, 24 VDC, with pressure regulator 0 – 8 bar, connections 1/4" BSP, for the discharge of the compressed air supply of pneumatic pumps. The unit can be activated and deactivated with the included ON-OFF switch art. no. 7355.



The FLEXBIMEC waste oil equipment can be divided generally into 2 groups of articles: mobile units with a waste oil collection container and stationary systems.

The range of the mobile units consists of the classical waste oil gravity drainers for the use under lifts or in service pits, of the waste oil suction units with appropriate suction probes and adapters that can be inserted into the motor oil dip-stick tube of the vehicle, and of the combined systems of waste oil gravity drainers and suction units.

The suction process is made by depressurization using a Venturi system or by using a pneumatic or electric pump.

The waste oil can be discharged from the mobile collection containers by pressurizing them or by using pneumatic pumps into waste oil storage tanks.

The stationary waste oil unit combines and automates the waste oil suction and the discharge in only one, wall-mounted system.

This system has the following advantages:

- Elimination of any mobile equipment that could constrain the operators in their work;
- Simplification of the oil change operation which is limited to only the waste oil suction from the vehicle, the rest of the process is automated.





Art. no. **3185**
Art. no. **3185/110**

Mobile low level gravity waste oil drainer, suitable for the draining of motor oil, gear oil or differential oil from trucks and passenger cars. Available with collection capacity of 70 l and 110 l, with anti splash grid and removable, lateral antisplash guard (optional). The unit can be discharged by gravity through the laterally mounted 3/4" drain valve or by using an evacuation pump with suction hose and female quick coupling to be connected to the male coupling installed on the drainer (see evacuation kit art. no. 2044 + 2264 on page 123!).



Art. no. **3185/20**

Mobile low level gravity waste oil drainer such as above, but in height-reduced version, ideal for the use with passenger cars with sports chassis.

Art. no.	Collection capacity	Connections	Weight	Dimensions (LxWxH) (mm)
3185	70 l	3/4" BSP (F)	26 Kg	800x560x180
3185/110	110 l	3/4" BSP (F)	38 Kg	1400x560x180
3185/20	22 l	3/4" BSP (F)	18 Kg	800x500x80



Art. no. **3186**
Art. no. **3186/110**

Pit gravity waste oil drainer, suitable for the draining of motor oil, gear oil or differential oil from trucks and passenger cars. Available with collection capacity of 70 l and 110 l, with anti splash grid and metal rollers. Suitable for the use in service pits between the pit rails. It is possible to adapt the width according to the pit dimensions. The unit can be discharged by gravity through the laterally mounted 3/4" drain valve or by using an evacuation pump with suction hose and female quick coupling to be connected to the male coupling installed on the drainer (see evacuation kit art. no. 2044 + 2264 on page 123!).



Art. no.	Collection capacity	Width adjustment range (mm)	Connections	Weight	Dimensions (LxWxH) (mm)
3186	70 l	Min 900 - Max 1300	3/4" BSP (F)	27 Kg	800x560x180
3186/110	110 l	Min 900 - Max 1300	3/4" BSP (F)	39 Kg	800x560x285



Art. no. **3254**
Art. no. **3254/110**

Mobile low level gravity drainer, suitable for the draining of waste oils and antifreeze from trucks and passenger cars by using the included pump kit for the eventual refilling of the liquid into the motor or circuit after finishing the service. Available with collection capacity of 70 l and 110 l, with anti splash grid. The pump kit consists of a pneumatic 1,3:1 - pump, pressure regulator with manometer, suction hose and supply hose gun with rigid outlet pipe.



Art. no.	Compressed air supply	Outlet pressure	Delivery	Collection capacity	Connections	Weight	Dimensions (LxWxH) (mm)
3254	2-4 bar	4 bar	10 l/min	70 l	1/2" BSP (F)	34 Kg	800x560x180
3254/110	2-4 bar	4 bar	10 l/min	110 l	1/2" BSP (F)	46 Kg	800x560x285





Art. no. 3292

Art. no. 3292

Waste oil draining kit for the installation in service pits, with metal collection bowl of 10 l capacity incl. removable anti splash grid and height-adjustable, telescopic tube with wall mounted swivel arm in galvanized steel.

Art. no. 3244

Waste oil draining kit for the installation in service pits, with metal collection bowl of 10 l capacity incl. removable anti splash grid, height-adjustable, telescopic tube with wall mounted swivel arm in galvanized steel and pneumatic 1:1 – pump, art. no. 2044, for the discharge of the collected waste oil and the transfer into a waste oil storage tank.



Art. no. 3244

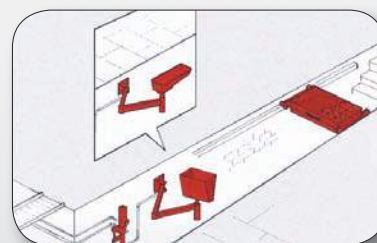
Art. no.	Diameter collection bowl	Capacity collection bowl	Max extension height collection bowl	Max extension length swivel arm	Connections	Weight
3292	400 mm	10 l	530 mm	1340 mm	1" BSP (F)	10 Kg
3244	400 mm	10 l	530 mm	1340 mm	1" BSP (F)	20 Kg



Art. no. 3293

Art. no. 3293

Waste oil draining kit for the installation in service pits, with metal, trapezoidal collection bowl of 30 l capacity incl. removable anti splash grid and height-adjustable, telescopic tube with wall mounted swivel arm in galvanized steel.



Art. no.	Dimensions collection bowl (LxWxH) (mm)	Capacity collection bowl	Max extension height collection bowl	Max extension length swivel arm	Connections	Weight
3293	395x350x360 mm	30 l	530 mm	1340 mm	1" BSP (F)	15 Kg



Art. no. 2043
Art. no. 2045

Art. no. 2046 - Art. no. 2044

Waste oil evacuation and transfer kit, consisting of a 1:1 – (art. no. 2044) or a 2:1 – (art. no. 2046) single acting pneumatic piston pump, wall bracket, 1,5 m - rubber suction hose ø 1" and foot valve with stainless steel strainer.

Art. no. 2043

Pneumatic 1:1 – single acting piston pump, suitable for the evacuation and the transfer of waste oil. Delivery approx. 35 l/min.

Art. no. 2264

Waste oil and waste antifreeze evacuation kit , consisting of hydraulic quick coupling with connection 1" BSP (F), hydraulic quick connector with connection 1" BSP (F) and connection adapter with connection 1" BSP (MM), with non-return valve. The kit is necessary to carry out the evacuation of waste oil drainers or waste oil suction units by connecting the hydraulic quick coupling to the suction hose of evacuation kits art. no. 2046 or art. no. 2044 (instead of the installed foot valve) and the quick connector to the waste oil drainer or waste oil suction unit to be discharged.

Art. no. 2045

Pneumatic 2:1 – single acting piston pump, with Viton® - gaskets, suction tube in brass, and foot valve in stainless steel, suitable for the evacuation and the transfer of waste oil and waste antifreeze. Delivery approx. 35 l/min.

Art. no. 2046
Art. no. 2044

Art. no. 2264

Art. no.	Compressed air supply	Delivery	Compression ratio	Max outlet pressure	Connection compressed air	Connection lubricant outlet	Consumption compressed air	Weight
2046	2 – 8 bar	30 l/min	2:1	16 bar	1/4" BSP (F)	3/4" BSP (M)	240 l/min	5 kg
2044	2 – 8 bar	35 l/min	1:1	8 bar	1/4" BSP (F)	3/4" BSP (M)	210 l/min	4 kg
2043	2 – 8 bar	35 l/min	1:1	8 bar	1/4" BSP (F)	3/4" BSP (M)	210 l/min	4 kg
2045	2 – 8 bar	35 l/min	2:1	16 bar	1/4" BSP (F)	3/4" BSP (M)	240 l/min	5 kg

Mobile waste oil gravity drainers, with metal collection bowl and height-adjustable, telescopic tube. The collection of the waste oil is made by using empty jerrycans or drums.



Art. no. 3177

Mobile waste oil gravity drainer, consisting of wide collection bowl in painted steel of 10 l capacity, art. no. 3290, incl. removable anti splash grid, height-adjustable, telescopic tube with 2" x 28 mm - bung adapter, shut-off valve and trolley for max. 60 l - drums, art. no. 4360.

OPTIONAL:

- metal crown drain adapter, permits to enlarge the collection diameter of the drain bowl (= art. no. 3299).
- empty plastic can, capacity 20 l (= art. no. 3482).

Art. no. 3299 OPTIONAL



Metal crown drain adapter, permits the enlargement of the collection diameter of the drain bowl.



Art. no.	Capacity collection bowl	Height adjustable up to	Ø collection bowl art. no. 3290	Ø metal crown drain adapter art. no. 3299	Weight	Dimensions (LxWxH) (mm)
3177	10 l	1600 mm	400 mm	590 mm	18 kg	700 x 700 x 1200



Art. no. 3178

Mobile waste oil gravity drainer, consisting of wide collection bowl in painted steel of 10 l capacity, art. no. 3290, incl. removable anti splash grid, height-adjustable, telescopic tube with 2" x 28 mm - bung adapter, shut-off valve and trolley for max. 208 l - drums, art. no. 4380.

OPTIONAL:

- metal crown drain adapter, permits to enlarge the collection diameter of the drain bowl (= art. no. 3299);
- mechanical level gauge with floater and analogical measuring scale, suitable for 208 l - drums (= art. no. 8752);
- empty metal drum, capacity 208 l (= art. no. 4699).



Art. no.	Capacity collection bowl	Height adjustable up to	Ø collection bowl art. no. 3290	Ø metal crown drain adapter art. no. 3299	Weight	Dimensions (LxWxH) (mm)
3178	10 l	1800 mm	400 mm	590 mm	31 kg	700 x 700 x 1200



Mobile waste oil gravity drainers, with metal collection bowl and height-adjustable, telescopic tube. The collection of the waste oil is made by using empty jerrycans or drums.

Art. no. 3173

Mobile waste oil gravity drainer, consisting of wide collection bowl in painted steel of 10 l capacity, art. no. 3290, incl. removable anti splash grid, height-adjustable, telescopic tube with 2" x 28 mm – bung adapter, shut-off valve and heavy duty trolley for max. 208 l – drums, art. no. 4389.

OPTIONAL:

- metal crown drain adapter, permits to enlarge the collection diameter of the drain bowl (= art. no. 3299);
- mechanical level gauge with floater and analogical measuring scale, suitable for 208 l – drums (= art. no. 8752);
- empty metal drum, capacity 208 l (= art. no. 4699).



Art. no.	Capacity collection bowl	Height adjustable up to	Ø collection bowl art. no. 3290	Ø metal crown drain adapter art. no. 3299	Weight	Dimensions (LxWxH) (mm)
3173	10 l	1800 mm	400 mm	590 mm	44 kg	700 x 700 x 1200



Art. no. 3173

Art. no. 3183

Mobile waste oil gravity drainer, suitable especially for the waste oil collection from motorbikes. Consisting of wide, rectangular collection bowl (dimensions 700 x 250 mm) of 80 mm height incl. removable anti splash grid, assuring an easy access between lift and motorbike, collection container of 65 l capacity, level gauge, two fixed wheels and two castors. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.



Art. no.	Capacity collection bowl	Height adjustable up to	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3183	10 l	1400 mm	65 l	50 l	0,5 bar	30 Kg	430x570x1200



Art. no. 3183

Waste oil gravity drainer, with metal collection bowl and height-adjustable, telescopic tube that can be extended until a height of max. 1,6 m. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube. The discharge alternatively can also be made by using a pneumatic waste oil discharge pump art. no. 2044 (see on page 123!) that is connected to the discharge valve of the container or with a wall-mounted waste oil discharge kit which can transfer the sucked oil into a waste oil storage tank.

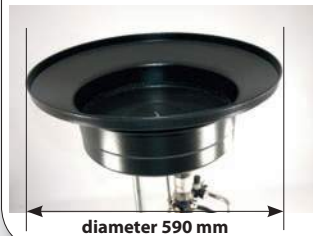
Art. no. 3179

Mobile waste oil gravity drainer, suitable for the use under lifts, with collection container of 90 l capacity, level gauge, two fixed wheels and two castors, with wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, 1,6 m discharge hose.

OPTIONAL:

- metal crown drain adapter, permits to enlarge the collection diameter of the drain bowl (= art. no. 3299).

Art. no. 3299 OPTIONAL



Metal crown drain adapter, permits the enlargement of the collection diameter of the drain bowl.



Art. no.	Capacity collection bowl	Height adjustable	Capacity collection container	Max. collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)	H	W	L
3179	10 l	1050-1600 mm	90 l	80 l	0,5 bar	28 Kg	504x460x1200			

Art. no. 3179

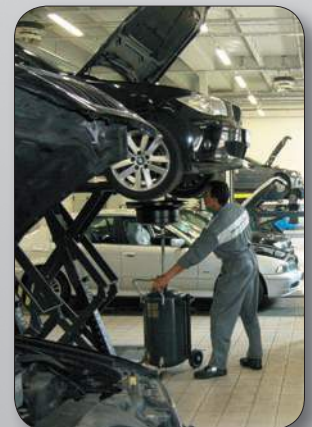
Art. no. 3161

Mobile waste oil gravity drainer, suitable for the use under lifts, with collection container of 60 l capacity, level gauge, two fixed wheels and two castors, with wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, 1,6 m discharge hose.

OPTIONAL:

- metal crown drain adapter, permits to enlarge the collection diameter of the drain bowl (= art. no. 3299).

OPTIONAL
Art. no. 3299



Art. no.	Capacity collection bowl	Height adjustable	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)	H	W	L
3161	10 l	1000-1500 mm	60 l	50 l	0,5 bar	26 Kg	504x460x1100			

Art. no. 3161

Waste oil gravity drainer, with metal collection bowl and height-adjustable, telescopic tube that can be extended until a height of max. 1600 / 1800 mm.

Art. no. 3191

Mobile waste oil gravity drainer, suitable for the use under lifts or in pits, with collection container of 90 l capacity, two fixed wheels and two castors, with wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, level gauge and storage bowl. The unit can be discharged with a pneumatic 1:1 – pump (art. no. 2043), mounted on top of the container, through the included 1,6 m discharge hose.

OPTIONAL:

- metal crown drain adapter, permits to enlarge the collection diameter of the drain bowl (= art. no. 3299).



Art. no.	Capacity collection bowl	Height adjustable	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3191	10 l	1050-1600 mm	90 l	80 l	0,5 bar	35 Kg	504x460x1200

Art. no. 3193

Mobile waste oil gravity drainer, suitable for the use under lifts or in pits, with collection container of 110 l capacity, two fixed wheels and two castors, with wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, level gauge and storage bowl. The unit can be discharged with a pneumatic 1:1 – pump (art. no. 2043), mounted on top of the container, through the included 1,6 m discharge hose.

OPTIONAL:

- metal crown drain adapter, permits to enlarge the collection diameter of the drain bowl (= art. no. 3299).



Art. no.	Capacity collection bowl	Height adjustable	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3193	10 l	1200-1800 mm	110 l	100 l	0,5 bar	37 Kg	510x470x1300

Waste oil suction units, consisting of a collection container with a pneumatic Venturi valve by which a vacuum of up to 0,8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it. The waste oil can be sucked with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply.



Art. no. **3024**
Art. no. **3025**

Art. no. 3024

Mobile waste oil suction unit, with collection container of 24 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 142!), suction adapters and storage bowl. The unit can be discharged manually by taking off the cap on top of the container.

Art. no. 3025

Same as art. no. 3024, but the unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
2995	5x3 mm	0,25 l/min	1,05 l/min
2998	8x6 mm	1,4 l/min	2,52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3024	0.8 bar	1,5 min	24 l	20 l	manual	10 Kg	390x360x940
3025	0.8 bar	1,5 min	24 l	20 l	0,5 bar	11 Kg	390x360x940



Art. no. 3080

Art. no. 3060

Mobile waste oil suction unit, with collection container of 90 l capacity (art. no. 3060: 60 l capacity), including level gauge, suction hose, kit of suction probes in different diameters (see on page 142!), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
2995	5x3 mm	0,25 l/min	1,05 l/min
2998	8x6 mm	1,4 l/min	2,52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3080	0,8 bar	1,5 min	90 l	80 l	0,5 bar	28 Kg	504x460x900
3060	0,8 bar	1,5 min	60 l	54 l	0,5 bar	24 Kg	504x450x700



Art. no. **3080**
Art. no. **3060**

Waste oil suction units, consisting of a collection container with a pneumatic Venturi valve by which a vacuum of up to 0,8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it. The waste oil can be sucked with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply.

Art. no. 3027

Mobile waste oil suction unit, with collection container of 24 l capacity and transparent inspection chamber of 6,5 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 137!), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

The transparent inspection chamber allows to check the quality and the quantity of the sucked oil.

In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface by sucking a small quantity of diesel or another non-aggressive cleaning agent.



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
2995	5x3 mm	0,25 l/min	1,05 l/min
2998	8x6 mm	1,4 l/min	2,52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3027	0,8 bar	1,5 min	24 l	20 l	0,5 bar	15 Kg	390x360x950



Art. no. 3027

Art. no. 3090

Art. no. 3065

Mobile waste oil suction unit, with collection container of 90 l capacity (art. no. 3065: 60 l) and transparent inspection chamber of 10 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 142!), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

The transparent inspection chamber allows to check the quality and the quantity of the sucked oil.

In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface by sucking a small quantity of diesel or another non-aggressive cleaning agent.



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
2995	5x3 mm	0,25 l/min	1,05 l/min
2998	8x6 mm	1,4 l/min	2,52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3090	0,8 bar	1,5 min	90 l	80 l	0,5 bar	32 Kg	504x460x1340
3065	0,8 bar	1,5 min	60 l	54 l	0,5 bar	29 Kg	504x450x1280



Art. no. 3090
Art. no. 3065

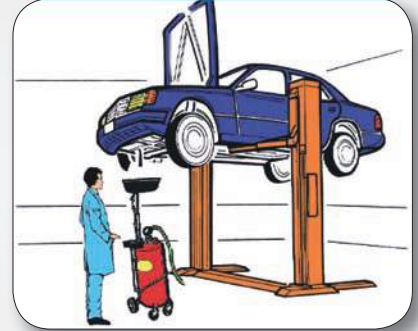
Combined units that can be used as waste oil gravity drainers, but also as waste oil suction units thanks to a pneumatic Venturi valve by which a vacuum of up to 0,8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it. The waste oil can be sucked with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply.



Art. no. 3164

Art. no. 3164

Mobile, combined waste oil drainer and suction unit, with collection container of 60 l capacity, two fixed wheels and two castors, with wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, including level gauge, suction hose, kit of suction probes in different diameters (see on page 142!), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
2995	5x3 mm	0,25 l/min	1,05 l/min
2998	8x6 mm	1,4 l/min	2,52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3164	0,8 bar	1,5 min	60 l	50 l	0,5 bar	27 Kg	430x570x1400



Art. no. 3167

Art. no. 3167

Mobile, combined waste oil drainer and suction unit, with collection container of 60 l capacity, two fixed wheels and two castors, with wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, transparent inspection chamber of 8 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 142!), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube. The transparent inspection chamber allows to check the quality and the quantity of the sucked oil. In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface by sucking a small quantity of diesel or another non-aggressive cleaning agent.



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
2995	5x3 mm	0,25 l/min	1,05 l/min
2998	8x6 mm	1,4 l/min	2,52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3167	0,8 bar	1,5 min	60 l	50 l	0,5 bar	30 Kg	430x570x1400



Combined units that can be used as waste oil gravity drainers, but also as waste oil suction units thanks to a pneumatic Venturi valve by which a vacuum of up to 0,8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it. The waste oil can be sucked with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply.

Art. no. 3195

Mobile, combined waste oil drainer and suction unit, with collection container of 80 l capacity, two fixed wheels and two castors, with wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, including level gauge, suction hose, kit of suction probes in different diameters (see on page 142!), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
2995	5x3 mm	0,25 l/min	1,05 l/min
2998	8x6 mm	1,4 l/min	2,52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3195	0,8 bar	1,5 min	80 l	70 l	0,5 bar	32 Kg	460x510x1200

Art. no. 3198

Mobile, combined waste oil drainer and suction unit, with collection container of 80 l capacity, two fixed wheels and two castors, with wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, transparent inspection chamber of 10 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 142!), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

The transparent inspection chamber allows to check the quality and the quantity of the sucked oil.

In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface by sucking a small quantity of diesel or another non-aggressive cleaning agent.

Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
2995	5x3 mm	0,25 l/min	1,05 l/min
2998	8x6 mm	1,4 l/min	2,52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3198	0,8 bar	1,5 min	80 l	70 l	0,5 bar	34 Kg	460x510x1500

Combined units that can be used as waste oil gravity drainers under a lift or as low level drainers on the floor using the pantograph function, but also as waste oil suction units thanks to a pneumatic Venturi valve by which a vacuum of up to 0,8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it. The waste oil can be sucked with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply.

Art. no. 3182

Mobile, combined pantograph waste oil drainer and suction unit, with collection container of 90 l capacity, two fixed wheels and two castors, with rectangular collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, including level gauge, suction hose, kit of suction probes in different diameters (see on page 142!), suction adapters and storage bowl. Suitable for the use with passenger cars and motorbikes. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
2995	5x3 mm	0,25 l/min	1,05 l/min
2998	8x6 mm	1,4 l/min	2,52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3182	0,8 bar	1,5 min	90 l	80 l	0,5 bar	43 Kg	630x650x1700



Art. no. 3182

Art. no. 3190

Mobile, combined pantograph waste oil drainer and suction unit, with collection container of 90 l capacity, two fixed wheels and two castors, with rectangular collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, transparent inspection chamber of 10 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 142!), suction adapters and storage bowl. Suitable for the use with passenger cars and motorbikes. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

The transparent inspection chamber allows to check the quality and the quantity of the sucked oil. In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface by sucking a small quantity of diesel or another non-aggressive cleaning agent.



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
2995	5x3 mm	0,25 l/min	1,05 l/min
2998	8x6 mm	1,4 l/min	2,52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3190	0,8 bar	1,5 min	90 l	80 l	0,5 bar	45 Kg	500x600x1500



Art. no. 3190

Combined units that can be used as waste oil gravity drainers under a lift or as low level drainers on the floor using the pantograph function, but also as waste oil suction units thanks to a pneumatic Venturi valve by which a vacuum of up to 0,8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it. The waste oil can be sucked with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply.

Art. no. 3180

Mobile, combined pantograph waste oil drainer and suction unit, with collection container of 115 l capacity, two fixed wheels and two castors, with rectangular heavy duty collection bowl in painted steel of 50 l capacity incl. removable anti splash grid, including level gauge, suction hose, kit of suction probes in different diameters (see on page 142!), suction adapters and storage bowl.

Suitable for the use with passenger cars, motorbikes or trucks. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
2995	5x3 mm	0,25 l/min	1,05 l/min
2998	8x6 mm	1,4 l/min	2,52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3180	0,8 bar	1,5 min	115 l	100 l	0,5 bar	53 Kg	630x650x1700

Art. no. 3180

Art. no. 3192

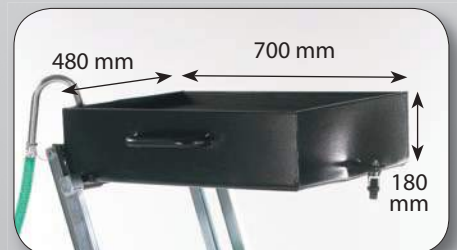
Mobile, combined pantograph waste oil drainer and suction unit, with collection container of 115 l capacity, two fixed wheels and two castors, with rectangular heavy duty collection bowl in painted steel of 50 l capacity incl. removable anti splash grid, transparent inspection chamber of 10 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 142!), suction adapters and storage bowl.

Suitable for the use with passenger cars, motorbikes or trucks.

The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

The transparent inspection chamber allows to check the quality and the quantity of the sucked oil.

In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface by sucking a small quantity of diesel or another non-aggressive cleaning agent.



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
2995	5x3 mm	0,25 l/min	1,05 l/min
2998	8x6 mm	1,4 l/min	2,52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3192	0,8 bar	1,5 min	115 l	100 l	0,5 bar	55 Kg	500x600x1700

Art. no. 3192

Combined units that can be used as waste oil gravity drainers, but also as waste oil suction units. The suction process can be carried out by using a pneumatic Venturi valve by which a vacuum of up to 0,8 bar inside of the container can be created when compressed air at a pressure of 7 – 10 bar is connected on it, or alternatively by the use of a pneumatic 1:1 – pump which is mounted at the side of the collection container. The waste oil can be sucked with appropriate suction probes or suction adapters inserted in the dip-stick tube of the motor. For an ideal result the oil temperature should not be less than 60 – 80°C during the suction process. The unit can be used also autonomously since it does not require a continuous air supply (unless the suction is made with the pneumatic pump).

Art. no. 3085

Mobile, combined waste oil drainer and suction unit, with collection container of 90 l capacity, two fixed wheels and two castors, with pneumatic pump, wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, including level gauge, suction hose, kit of suction probes in different diameters (see on page 142!), suction adapters and storage bowl.

The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.



Art. no. 3085

Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
2995	5x3 mm	0,25 l/min	1,05 l/min
2998	8x6 mm	1,4 l/min	2,52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3085	0,8 bar	1,5 min	90 l	80 l	0,5 bar	42 Kg	480x510x1400



Art. no. 3095

Mobile, combined waste oil drainer and suction unit, with collection container of 90 l capacity, two fixed wheels and two castors, with pneumatic pump, wide collection bowl in painted steel of 10 l capacity incl. removable anti splash grid, transparent inspection chamber of 10 l capacity, including level gauge, suction hose, kit of suction probes in different diameters (see on page 142!), suction adapters and storage bowl. The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube.

The transparent inspection chamber allows to check the quality and the quantity of the sucked oil. In order to always keep a good visibility into the chamber, the unit is equipped with a device that permits to clean the internal surface by sucking a small quantity of diesel or another non-aggressive cleaning agent.



Art. no. 3095

Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
2995	5x3 mm	0,25 l/min	1,05 l/min
2998	8x6 mm	1,4 l/min	2,52 l/min

Art. no.	Max vacuum	Time for creating vacuum	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3095	0,8 bar	1,5 min	90 l	80 l	0,5 bar	44 Kg	460x510x1500



Waste oil suction units which allow to suck out the oil with appropriate suction probes or suction adapters inserted in the dipstick tube of the motor by means of a pneumatic rotary or piston pump.
The oil suction process is also possible with these units if the oil temperature is equal to the ambient temperature (unless in case of low temperatures).



Art. no. 3020

Art. no. 3020

OIL BLITZ – Mobile waste oil suction unit, composed of a pneumatic rotary gear pump, suction hose, kit of suction probes in different diameters (see on page 142!), suction adapters, storage bowl, two wheels trolley and 20 l – capacity plastic can for collection of the sucked oil.

Can be used also to suck out diesel from vehicle fuel tanks.

Art. no.	Max vacuum	Pressure compressed air	Compression ratio	Consumption compressed air	Outlet pressure	Weight	Dimensions (LxWxH) (mm)
3020	0,8 bar	1 - 4 bar	1:1	180 l/min	4 bar	17 kg	410x420x910



Art. no. 3172

Art. no. 3172

Waste oil suction system such as art. no. 3099 (see on page 137!), but mounted on a heavy duty trolley, consisting of 1:1 - pneumatic piston pump, pressure regulator with manometer and condensation water separator, kit of suction probes in different diameters and suction adapters (see on page 142!), 3 m - suction hose with shut-off valve and connections, vacuumeter for the control of the suction process and 1,6 m - discharge hose with curved outlet tube.

On demand alternatively also a discharge hose with suitable connection to a pipework can be supplied.

Art. no.	Max vacuum	Pressure compressed air	Compression ratio	Consumption compressed air	Outlet pressure	Weight	Dimensions (LxWxH) (mm)
3172	0,8 bar	1-4 bar	1:1	140 l/min	4 bar	42 Kg	790x900x1400



Waste oil suction units equipped with electric suction pumps.

Art. no. 3017 - 3018

OIL BLITZ – Mobile waste oil suction unit, composed of an electric rotary gear pump, suction hose, kit of suction probes in different diameters (see on page 142!), suction adapters, storage bowl, two wheels trolley and 20 l – capacity plastic can for collection of the sucked oil. Can be used also to suck out diesel from vehicle fuel tanks.



Art. no.	Voltage	Power	Protection category	Max vacuum	Weight	Dimensions (LxWxH) (mm)
3017	110VAC - 60 Hz	0,53 Kw	IP 55	0,8 bar	17 kg	410x420x910
3018	230VAC – 50 Hz	0,53 Kw	IP 55	0,8 bar	17 kg	410x420x910



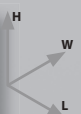
Art. no. 3079

Mobile waste oil suction unit with 4 castors, composed of encased 230 VAC – eccentric electric pump with ON-/OFF - switch, kit of suction probes and suction adapters (see on page 142!), suction hose and discharge hose with curved outlet tube and 20 l – capacity plastic can for collection of the sucked oil.



Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
2995	5x3 mm	0,25 l/min	1,05 l/min
2998	8x6 mm	1,4 l/min	2,52 l/min

Art. no.	Voltage	Power	Protection category	Max vacuum	Weight	Dimensions (LxWxH) (mm)
3079	230VAC - 50 Hz	0,53 Kw	IP55	0,8 bar	41 Kg	630x650x1000



Pneumatic, wall-mounted pumps for the suction of waste oil by means of suitable suction probes. Particularly suitable in installations with centralized pipework for the suction of waste fluids and the distribution of new fluids.

Art. no. 3099

Wall-mounted waste oil suction system, consisting of 1:1 - pneumatic piston pump, kit of suction probes in different diameters and suction adapters (see on page 142!), 3 m - suction hose with shut-off valve and connections, vacuumeter for the control of the suction process and 1,6 m - discharge hose with curved outlet tube. On demand alternatively also a discharge hose with suitable connection to a pipework can be supplied.

Art. no. 2210

Noise insulating cabinet for wall-mounted pneumatic pumps.

Art. no. 2210

Art. no.	Max vacuum	Pressure compressed air	Compression ratio	Consumption compressed air	Outlet pressure	Weight
3099	0,8 bar	1 - 4 bar	1:1	140 l/min	4 bar	11 Kg

Art. no. 3199

Wall-mounted waste oil suction system, consisting of 1:1 - pneumatic piston pump, pressure regulator with manometer and condensation water separator, art. no. 7180, kit of suction probes in different diameters and suction adapters (see on page 142!), automatic open hose reel, art. no. 9016, with 10 m - rubber suction hose in 1/2" with shut-off valve and connections, vacuumeter for the control of the suction process, 2 m - connection hose to the pump and 1,6 m - discharge hose with curved outlet tube. On demand alternatively also a discharge hose with suitable connection to a pipework can be supplied.

Art. no.	Max vacuum	Pressure compressed air	Compression ratio	Consumption compressed air	Outlet pressure	Weight
3199	0,8 bar	1 - 4 bar	1:1	140 l/min	4 bar	32 Kg

Pneumatic, wall-mounted pumps for the suction of waste oil by means of suitable suction probes. Particularly suitable in installations with centralized pipework for the suction of waste fluids and the distribution of new fluids.



Art. no. 8304

Encased, wall – mounted, electropneumatic suction unit for the use with waste oils and similar liquids, composed of a pneumatic 1:1 – piston pump, vacuumeter, electronic unit for the control of the suction process, solenoid-actuated shut-off valve for the deactivation of the pump, push button for the activation of the suction process, power supply / transformer unit 230 VAC – 24 VDC, 1,5 m – suction hose and kit of suction probes in different diameters. The suction cycle is structured as follows:

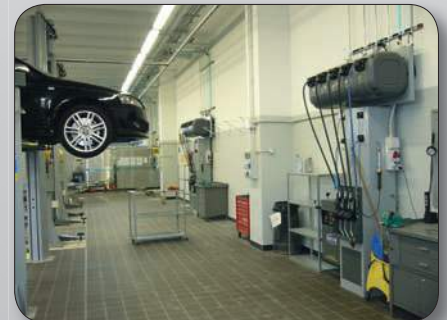
- Switch-on of the pump;
- Suction of the liquid and transfer into a storage tank;
- Automatic switch-off of the pump after finishing the suction process.

It is possible to connect the suction unit to a hose reel to facilitate the suction process also at a distance of max. 10 m.



Art. no. 8308

Waste oil suction unit, art. no. 8304, but with hose reel, art. no. 9090, with 10 m – suction hose 1/2" instead of 1,5 m – suction hose and with wall-mounted drip tray.



Art. no.	Pressure compressed air	Voltage	Max vacuum	Compression ratio	Consumption compressed air	Outlet pressure	Weight
8304	2 - 4 bar	230 VAC - 50 Hz	0,8 bar	1:1	180 l/min	4 bar	14 kg

Art. no. suction probe	Ø suction probe	Suction speed at oil temperature 18°C	Suction speed at oil temperature 60°C
2998	8 x 6 mm	1,8 l/min	3,2 l/min

Centralized, wall mounted automatic waste oil suction unit with electropneumatic operating mode.



Art. no. 8300

Art. no. 8300

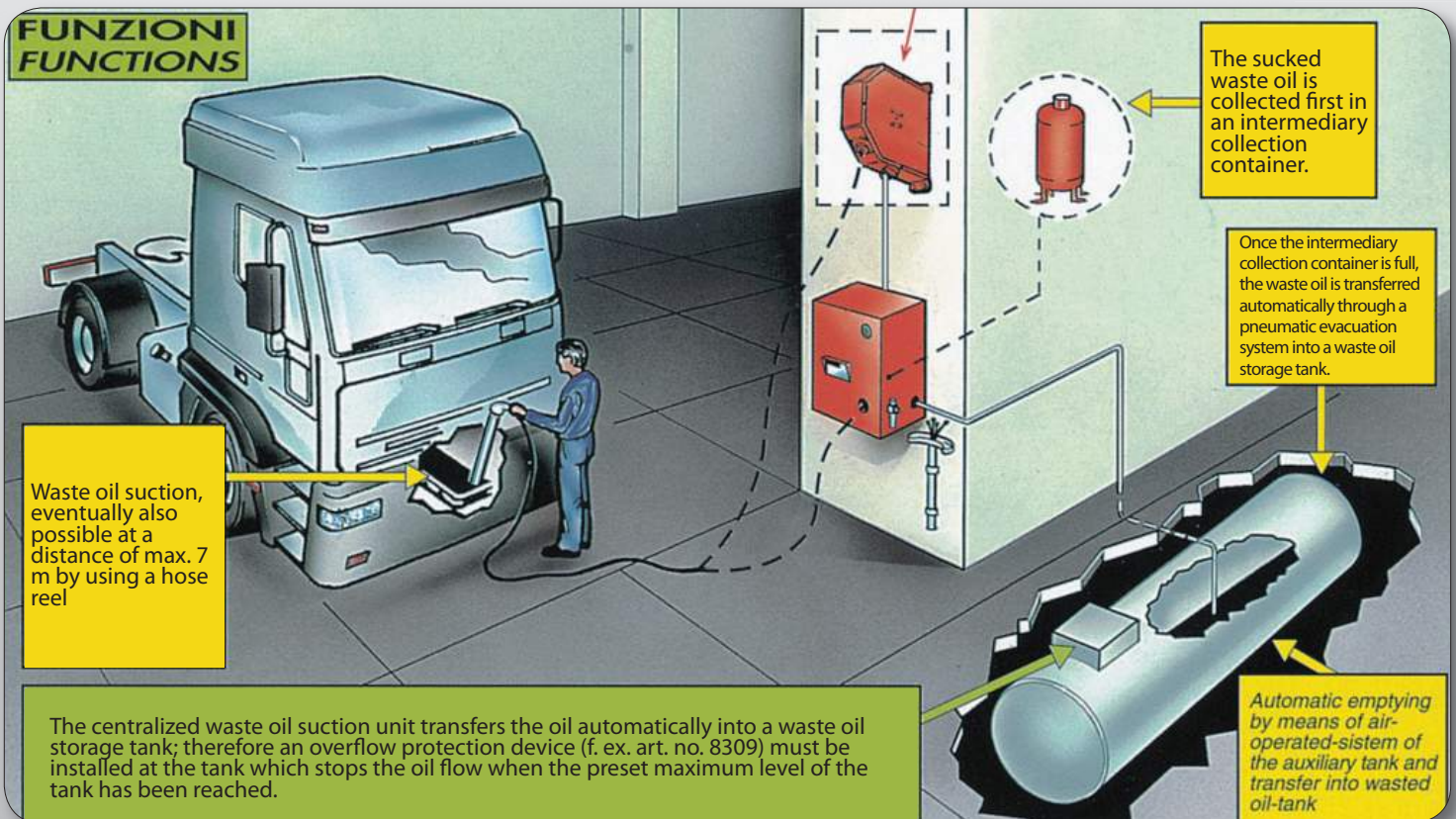
The operating mode is based on the use of a 24 l – collection container which has two functions or works in two phases:

Phase 1: with a Venturi system a vacuum of 0,8 bar is created and the waste oil can be sucked, even by eventually using hose reels (optional);

Phase 2: the 24 l – container is pressurized with compressed air at max. 2 bar to discharge the waste oil in it and to transfer it to a waste oil storage tank.

The centralized waste oil suction unit has the following advantages:

- Automatic creation of vacuum in the intermediary collection container and automatic discharge of the waste oil once this container is full into a waste oil storage tank. Thus, the unit is always ready for an immediate use, because the cycles of creating the vacuum in the container and those of its discharge are made automatically without any need of an intervention by the user such as necessary in similar suction systems.
- The system also allows a suction at a certain distance if it is connected to a hose reel with a max 7 m – hose.
- The enclosed unit can be installed at the wall which helps to improve the use of the available space in the workshop.
- The waste oil suction unit art. no. 8300 has been designed to be used in more than one working place, but in different locations in the workshop, using always the same pipework leading to the waste oil storage tank.



Art. no.	Voltage	Max vacuum	Time for creating vacuum	Suction speed	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
8300	230 VAC - 50 Hz	0,8 bar	1,5 min	0,8 – 2,5 l/min	24 l	20 l	0,5 bar	40 Kg	650x800x1400



Art. no. 8318 - 8319

Pneumatic double diaphragm pump, selfpriming up to 5 m suction lift, working also in dry running condition, without any electric drive, suitable for the use also with fluids of higher viscosity and for fluids containing particles up to 3 mm size, body in PP, diaphragms in NBR + PTFE, balls in PTFE, o – rings in EPDM, seats in PP.

Art. no.	Max flow rate	Max suction lift	Compressed air supply	Connection compressed air inlet	Connections fluid	Consumption compressed air	Weight	Dimensions (LxWxH) (mm)
8318	20 l/min	5 m	2 - 7 bar	1/4" (F)	3/8" (M)	160 l/min	1,2 kg	145x95x160
8319	50 l/min	5 m	2 - 7 bar	3/8" (F)	1/2" (M)	200 l/min	6,5 kg	222x156x233

Art. no. 8320 - 8321

Pneumatic double diaphragm pump, suitable for the use in areas exposed to explosion hazards, approved in accordance with directive ATEX 94/9/EC - zone 2.

Working also in dry running condition, selfpriming up to 6 m suction lift, without any electric drive, suitable for the use also with fluids of higher viscosity and for fluids containing particles up to 7,5 mm size, body in aluminium, diaphragms in Hytrel® + PTFE, balls in PTFE, o – rings in Viton®, seats in aluminium.

Art. no.	Max flow rate	Max suction lift	Compressed air supply	Connection compressed air inlet	Connections fluid	Consumption compressed air	Weight	Dimensions (LxWxH) (mm)
8320	100 l/min	6 m	2 - 7 bar	1/2" (F)	3/4" (M)	250 l/min	7 kg	265x175x245
8321	165 l/min	6 m	2 - 7 bar	1/2" (F)	1" (M)	800 l/min	15 kg	370x222x365

Art. no. 8322 - 8323

Pneumatic double diaphragm pump, suitable for the use in areas exposed to explosion hazards, approved in accordance with directive ATEX 94/9/EC - zone 2.

Working also in dry running condition, selfpriming up to 6 m suction lift, without any electric drive, suitable for the use also with fluids of higher viscosity and for fluids containing particles up to 8,5 mm size, body in aluminium, diaphragms in Hytrel® + PTFE, balls in PTFE, o – rings in Viton®, seats in aluminium.

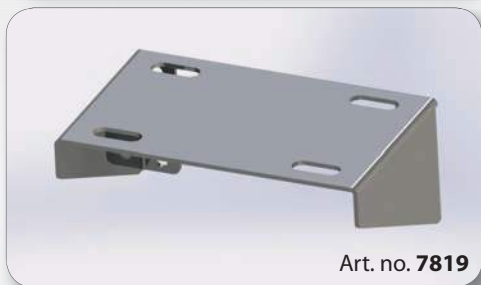
Art. no.	Max flow rate	Max suction lift	Compressed air supply	Connection compressed air inlet	Connections fluid	Consumption compressed air	Weight	Dimensions (LxWxH) (mm)
8322	250 l/min	6 m	2 - 7 bar	1/2" (F)	1 1/4" (M)	900 l/min	16 kg	370x220x364
8323	680 l/min	6 m	2 - 7 bar	3/4" (F)	2" (M)	2400 l/min	36 kg	595x340x572



Art. no. **7818**

Art. no. **7818**

Wall mounting bracket for pneumatic diaphragm pumps art. nos. 8318 – 8319 – 8320 – 8321.



Art. no. **7819**

Art. no. **7819**

Wall mounting bracket for pneumatic diaphragm pumps art. nos. 8322 – 8323.



Art. no. **6437**

Art. no. **6437**

Electric, self-priming eccentric pump for the suction and the supply of oil, waste oil, antifreeze, diesel at low pressure.

Pump body in aluminium, seals in NBR and pump shaft in brass, 3 m cable with SCHUKO plug. Protection category IP 55.



Art. no.	Voltage	Power	Current drain	Rpm	Outlet pressure	Delivery l/min	Connections	Weight	Dimensions (LxWxH) (mm)
6437	230VAC - 50 Hz	0,52 Kw	7,5 A	1360	1,5 bar	15	1" BSP (F)	8,5 Kg	150x340x210



Art. no. **3424**

Art. no. **3423**

Art. no. **3422**

Art. no. **3422**

Multi-purpose drain pan, in polyethylene, suitable for collecting waste oil, antifreeze or for cleaning parts, capacity 8 l, with anti-splash lip, large handles and pouring spout.

Art. no. **3423**

Multi-purpose drain pan, in polyethylene, suitable for collecting waste oil, antifreeze or for cleaning parts, capacity 16 l, with anti-splash lip, large handles and pouring spout.

Art. no. **3424**

Waste oil and antifreeze drain pan with storage container, in polyethylene, capacity 10 l, with large handle for transportation, hermetically closing plug and drain vent.



Art. no. **011** Complete kit of 5 suction probes of different diameters and lengths and 2 suction adapters, with plastic probes holder.

Art. no. **2995** Flexible suction probe, \varnothing 5 mm, length 800 mm.

Art. no. **2996** Flexible suction probe, \varnothing 6 mm, length 800 mm.

Art. no. **2997** Flexible suction probe, \varnothing 7 mm, length 1500 mm.

Art. no. **2997/20** Flexible suction probe, \varnothing 7 mm, length 2000 mm.

Art. no. **2998** Flexible suction probe, \varnothing 8 mm, length 800 mm.

Art. no. **2986** Rigid suction probe, \varnothing 6 mm, length 800 mm.

Art. no. **2127** Suction adapter for Volkswagen vehicles.

Art. no. **2130** Suction adapter for Mercedes vehicles.

Furthermore are available on demand the following models:

Art. no. **2125** Suction adapter for Peugeot and Citroen vehicles.

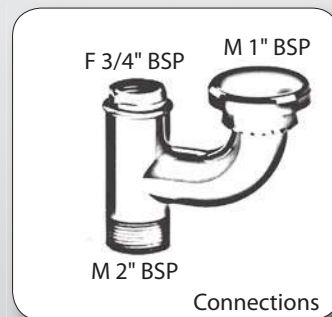
Art. no. **2128** Suction adapter for BMW vehicles.

Art. no. **2129** Suction adapter for Audi vehicles.



Art. no. **7397**

Installation kit for tanks, suitable for the mounting of a ventilation tube and of an overflow protection valve by using the same fitting.



Art. no. **7398**

Waste oil suction kit for tanks, \varnothing 28 mm, with connection coupling for suction hose of waste oil collection trucks and with closing cap.



Art. no. **7810**

Art. no. **7811**

Art. no. **7810**

Oil absorbent roll, suitable for covering big surfaces. It can easily be cut into the required form and can also be used for absorbing in case of big clean-ups or for reasons of precaution in risk zones where leakages could happen. Dimensions: 40 cm x 26 m. Absorbency per roll: 117 l. Weight: 6 kg.

Art. no. **7811**

Oil absorbent mat pads, suitable in case of accidental leaks and spills. Packed in a dispenser box to guarantee a quick and easy access. The mat pads can also be used for take off small spills or to clean parts and machinery. Dimensions: 400 x 520 mm.

Packaging: in dispenser box of 100 pads. Absorbency per dispenser box: 142 l.

Weight: 6,4 kg.



WASTE OIL STORAGE TANKS AND ACCESSORIES

Waste fluids storage tanks, made in plastic or in steel, compliant with the valid norms regulating the storage of waste fluids (Italian directive 392/96 according to European directives 75/349 EEC and 87/101 EEC).



Art. no. **7008** – 300 l
Art. no. **7009** – 260 l
Art. no. **7010** – 500 l

Art. no. **7008** – 300 l - Art. no. **7009** – 260 l - Art. no. **7010** – 500 l

Waste oil storage tank, with double wall in polyethylene (one internal in contact with the oil and one external which serves as a spill containment and security container for the internal one).

The tank is equipped with a wide dome with raisable cover. In its interior there is a removable basket for the drain of oil filters and the opening for charging and discharging the tank.

At the rim of the dome a mechanical level gauge is installed that permits the control of the filling level and a transparent indicator on the side of the external tank allows to detect eventual leakages of the internal tank immediately.

The tank is available in different colours for the storage of different liquids, such as mineral oils, vegetable oils, break fluid, oil-based emulsions or antifreeze.

Art. no.	Capacity (l)	Weight	Dimensions (LxWxH) (mm)
7008	300	26 kg	820x820x1080
7009	260	23 kg	800x800x1170
7010	500	37 kg	960x960x1240



Art. no. **8217**

Art. no. **8217**

Double wall tank, external tank in galvanized steel and internal tank in high density polyethylene, suitable for the storage of waste oil. Including 4 connections in 2" on top of the tank, mechanical level indicator, optical leakage detector for eventual leakages in the internal tank, carrying handles and pallet feet for the lifting and the transport with a pallet truck or a forklift from 4 sides. Approved for indoor installations.

Art. no.	Capacity (l)	Weight	Dimensions (LxWxH) (mm)
8217/400	400	50 Kg	700x730x1170
8217/750	750	66 Kg	770x980x1460
8217/1000	1000	89 Kg	770x1280x1460
8217/1500	1500	151 Kg	770x1630x1870



On demand are available also the same models, but approved for transportation in accordance with ADR 6.5.4.4.1b.

Art. no. **8218**

Storage tank for the external use, made of first class carbon steel, equipped with:

- spill containment tray in painted steel with a collection capacity of 100 % of the tank content,
- stable, anti-slip tray base,
- dome with \varnothing 400 mm, including connections,
- external finishing with anti-rust priming and gloss finish.

OPTIONAL

Galvanized porch roof.

Art. no.	8218/1100	8218/1500	8218/2200	8218/3000
Capacity (m ³ - l)	1,1 - 1100	1,5 - 1500	2,2 - 2200	3 - 3000
External diameter storage tank (mm)	\varnothing 950	\varnothing 1100	\varnothing 1100	\varnothing 1430
Total length (mm)	1650	1650	2400	2300
Width spill containment tray (mm)	1200	1400	1400	1500
Length spill containment tray (mm)	2000	2000	2700	2500
Height spill containment tray (mm)	500	550	600	850



Art. no. **8218**

Pneumatic brake bleeding unit with two chambers which are hermetically separated by an elastic diaphragm. One chamber of the container contains the brake fluid, the other chamber serves as reservoir for the compressed air. Max. working pressure 2 bar. The diaphragm permits to separate the brake fluid and the compressed air, avoiding like that the risk of an emulsion.

Art. no. 3406



Art. no. 3486

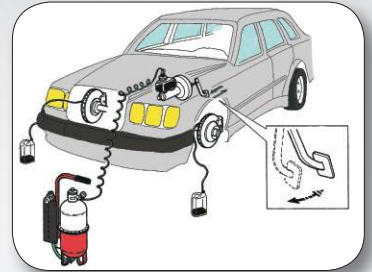
Art. no. 3481

Art. no. 3406

Pneumatic brake bleeding unit, with pressure regulator, 3 m – spiral fluid supply hose, for the bleeding of brakes and clutches, including those with ABS. Container capacity: 9 l.

The unit includes also the following accessories:

- 2 plastic jerrycans for the collection of the brake fluid, art. no. 3485,
- 2 plastic bleeding hoses, art. no. 3481,
- 1 plastic funnel, art. no. 3486.



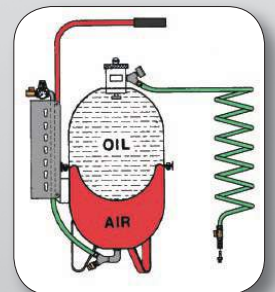
Art. no.	Weight	Dimensions (LxWxH) (mm)
3406	8,5 Kg	270x340x700



Art. no. 3495

Mobile brake bleeding unit, consisting of:

- trolley with 4 castors, art. no. 4357,
- pneumatic brake bleeding unit, art. no. 3406,
- kit of bleeding adapters for passenger cars and trucks, art. no. 3490
- 2 plastic jerrycans for the collection of the brake fluid, art. no. 3485,
- 2 plastic bleeding hoses, art. no. 3481,
- 1 plastic funnel, art. no. 3486.



Art. no. 3495

Art. no.	Weight	Dimensions (LxWxH) (mm)
3495	30 Kg	500x610x1130





Art. no. 3491

Kit of brake bleeding adapters, suitable for the most popular passenger cars (does not include universal bleeding adapter), consisting of:

Art. nos. 3451 - 3452 - 3453 - 3454 - 3455 - 3456 - 3457 - 3458 - 3459 - 3461 - 3462 - 3469.

Technical data bleeding adapters		
Pos.	Art. no.	External diameter
1	3451	26 mm
2	3452	25 mm
3	3453	28,5 mm
4	3454	47 mm
5	3455	51 mm
6	3456	56 mm
7	3457	67 mm
8	3458	44 mm
9	3459	62 mm
11	3461	80 mm
12	3462	72 mm
19	3469	47,2 mm



Art. no. 3493

Kit of brake bleeding adapters, suitable for various passenger cars and trucks, consisting of:

Art. nos. 3460 - 3463 - 3465 - 3466 - 3467 3468 - 3470 - 3471 - 3472- 3473.

Technical data bleeding adapters		
Pos.	Art. no.	External diameter
10	3460	30 mm
13	3463	52 mm
15	3465	80 mm
16	3466	91 mm
17	3467	36 mm
18	3468	30 mm
20	3470	79 mm
21	3471	48 mm
22	3472	48 mm
23	3473	62,5 mm

Art. no. 3490

Complete kit, consisting of all 24 brake bleeding adapters, suitable for passenger cars and trucks, including also universal brake bleeding adapter.



Art. no. 3474

Universal screw brake bleeding adapter, suitable for the use in most of the existing passenger cars and trucks.





Art. no. **3416**

Mobile, electric brake bleeding unit, allows to change easily and autonomously brake fluid and transmission fluid by pressing out eventually contained air bubbles or dirt particles, also suitable for vehicles with ABS. Suitable for containers up to 12 l.

Technical data

Voltage: 230 VAC – 50 Hz

Working pressure range: 0 – 6 bar

Length of fluid supply hose: 3,5 m

Art. no.	Weight	Dimensions (LxWxH) (mm)
3416	9,5 kg	400 x 360 x 930



Art. no. **3476**

Special brake bleeding adapter for KIA and CHRYSLER vehicles.



Art. no. **3475**

Universal pressure bleeding adapter.



Art. no. **3419**

Comparative electrolyte-type brake fluid tester.

The tester passes current through the fluid and measures any resistance present in order to check the content of water in the brake fluid. Audible test cycle with 4 LED display.

The probe just must be put into the brake fluid and then the activating button must be pressed. The different colours on the display show if the brake fluid quality is fine, or if it must be changed. An acoustic signal indicates when the 9 V - battery becomes empty and must be changed.

FLEXBIMEC offers you a complete line of products for the dispensing and monitoring of diesel:

- Pneumatic pumps
- Electric pumps in 12 VDC, 24 VDC and 230 VAC with medium or high delivery
- Diesel supply units and dispensing kits
- Mechanical and electronic flow meters
- Computerized systems for the monitoring and the administration of dispenses
- Storage tanks
- Level gauges
- Control guns
- Hoses and hose reels
- Filters
- Other accessories

The broad product range permits the user to select from the simple diesel dispensing equipment up to complete diesel monitoring systems.



Portable and wall-mounted pneumatic and electric pumps for the transfer of diesel. The indicated delivery figures refer on a free flow outlet.

Art. no. **6557**

35 l/min

Pneumatic, rotary vane pump for the transfer of diesel, with filter and bypass valve, body in aluminium.



Art. no. **6557**

Art. no.	Compressed air supply	Air consumption	Outlet pressure	Max delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6557	4 bar	160 l/min	4 bar	35 l/min	3/4" BSP (F)	5 Kg	140x150x190



Art. no. **6556**

30 l/min

Diesel transfer kit, composed of pneumatic, rotary vane pump, art. no. 6557, suction tube with foot valve suitable for 208 l – drums, bung adapter for the fixation of the pump on the drum, 4 m – delivery hose 3/4" and manual aluminium nozzle.



Art. no. **6556**



Art. no.	Compressed air supply	Air consumption	Outlet pressure	Max delivery	Connection threads	Weight
6556	4 bar	160 l/min	4 bar	30 l/min	3/4" BSP (F)	12 Kg



Art. no. **6772**

25 l/min

Diesel transfer kit, composed of pneumatic 1:1 - piston pump, standard series, with wall bracket (art. no. 2044), pressure regulator with manometer and air filter, 1,5 m rubber suction hose ø 1" BSP with foot valve and filter, electronic in-line turbine flow meter (art. no. 2823), 4 m - rubber delivery hose 3/4" and automatic nozzle with inlet swivel (art. no. 6725).

Optional: diesel/water separating cartridge filter (art. no. 6600), see page 160.

Art. no.	Compressed air supply	Compression ratio	Max outlet pressure	Max delivery	Outlet connection threads	Weight
6772	2 – 8 bar	1 : 1	8 bar	25 l/min	BSP 3/4"	13 kg



Art. no. **6776**

100 l/min

Diesel transfer kit, composed of pneumatic 1,5:1 - piston pump, series Power Bull (art. no. 2098), delivery 100 l/min., with wall bracket (art. no. 2214/110), pressure regulator with manometer and air filter, 1,5 m rubber suction hose ø 1" BSP with foot valve and filter, electronic in-line turbine flow meter (art. no. 2823), 4 m - rubber delivery hose 1" and high delivery automatic nozzle with inlet swivel (art. no. 6726).

Optional: diesel/water separating cartridge filter (art. no. 6600), see page 160.

Art. no.	Compressed air supply	Compression ratio	Max outlet pressure	Max delivery	Outlet connection threads	Weight
6776	1 – 8 bar	1 : 1	8 bar	100 l/min	BSP 1"	46 kg



Art. no. **6252**
Art. no. **6254**

Art. no. **6252**
Art. no. **6254**

43 l/min

Electric vane pump, 12 VDC and 24 VDC, selfpriming, for the transfer of diesel, with transport handle, ON-/OFF-switch and 2 m – cable with alligator clamps for battery connection.

Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6252	12 VDC	216 W	18 A	2800	43 l/min	1" BSP (F)	4,5 Kg	140x150x200
6254	24 VDC	240 W	9 A	2800	43 l/min	1" BSP (F)	4,5 Kg	140x150x200



Art. no. **6253**
Art. no. **6255**

Art. no. **6253**
Art. no. **6255**

60 l/min

Electric vane pump, 12 VDC and 24 VDC, selfpriming, for the transfer of diesel, with transport handle, ON-/OFF-switch and 4 m – cable with alligator clamps for battery connection.

Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6253	12 VDC	240 W	30 A	4200	60 l/min	1" BSP (F)	5,6 Kg	130x150x300
6255	24 VDC	240 W	15 A	4200	60 l/min	1" BSP (F)	5,6 Kg	130x150x300



Art. no. **6256**
Art. no. **6257**

Art. no. **6256**
Art. no. **6257**

85 l/min

Electric vane pump, 12 VDC and 24 VDC, selfpriming, for the transfer of diesel, with transport handle, ON-/OFF-switch and 4 m – cable with alligator clamps for battery connection. Bypass valve included in pump body.



Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6256	12 VDC	400 W	40 A	2000	85 l/min	1" BSP (F)	10,4 Kg	190x350x280
6257	24 VDC	400 W	25 A	2000	85 l/min	1" BSP (F)	10,4 Kg	190x350x280





Art. no. 6230

Art. no. **6230**

Electric eccentric pump, 12 VDC, selfpriming, for the transfer of diesel, encased, with transport handle, suction foot valve with filter, ON-/OFF-switch and 2 m – cable with alligator clamps for battery connection.

Delivery 30 l/min at free flow outlet.

This pump can also work with 24 VDC and a delivery of 30 l/min for max 15 min.

The max suction lift is 3 m, the bypass is set at 1 bar.

30 l/min

Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6230	12 VDC	192 W	16 A	1300	30 l/min	hose tails ø 25 mm	7 Kg	300x120x200



Art. no. 6245

Art. no. **6245**

Electric vane pump, 12 VDC, selfpriming, for the transfer of diesel, encased, with transport handle, suction foot valve with filter, ON-/OFF-switch and 2 m – cable with alligator clamps for battery connection.

This pump can also work with 24 VDC and a delivery of 60 l/min for max 15 min.

Delivery 45 l/min with 12 VDC at free flow outlet.

45 l/min
60 l/min



Art. no. **6248**

Same as art. no. 6245, but with mechanical flow meter (art. no. 2860).

Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connections	Weight	Dimensions (LxWxH) (mm)
6245	12 VDC	400 W	40 A	3000	45 l/min	hose tails ø 25 mm	7,5 kg	130x150x360
6248	12 VDC	400 W	40 A	3000	45 l/min	hose tails ø 25 mm	8,7 kg	130x150x510



Art. no. **6246**
Art. no. **6249**

Art. no. **6246**

Art. no. **6249**

Diesel transfer kit, mounted on wall bracket. Available with motor in 12 VDC or 24 VDC.

Composed of mechanical flow meter (art. no. 2860), selfpriming electric vane pump (art. nos. 6252 or 6254) with built-in bypass valve and inlet strainer, ON-/OFF switch, 2 m – cable with alligator clamps for battery connection, suction foot valve with filter (art. no. 6647), 4 m - rubber delivery hose 3/4" and manual aluminium nozzle.



Optional: automatic nozzle with inlet swivel (art. no. 6725).

Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6246	12 VDC	220 W	18 A	2800	43 l/min	1" BSP (F)	14 Kg	430x160x340
6249	24 VDC	240 W	9 A	2800	43 l/min	1" BSP (F)	14 Kg	430x160x340



Art. no. **6435**

60 l/min

Electric vane pump, selfpriming, 230 VAC, for the transfer of diesel.
Rotor in sintered steel and vanes in acetal resin.
The pump has a built-in bypass valve; protection category IP 55.
Delivery 60 l/min.



Art. no. **6435**

Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6435	230 VAC	370 W	1,5 A	2800	60 l/min	1" BSP (F)	7 kg	170x190x230



Art. no. **6218**

Art. no. **6219**

65 l/min

Electric vane pump, selfpriming, 230 VAC or 400 VAC, for the transfer of diesel. Rotor in sintered steel and vanes in acetal resin.
The pump has a built-in bypass valve; protection category IP 55.
The low number of rotations of the motor permits a constant flow without turbulences, a low noise and less abrasion of the components.
Delivery 60 l/min. at 900 rpm.



Art. no. **6218**
Art. no. **6219**

Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6218	400 VAC	550 W	2,5 A	900	65 l/min	1" BSP (F)	15 kg	200x240x300
6219	230 VAC	700 W	6,2 A	900	65 l/min	1" BSP (F)	15 kg	200x240x300



Art. no. **6220**

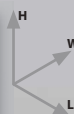
100 l/min

Electric vane pump, selfpriming, 230 VAC, for the transfer of diesel.
Rotor in sintered steel and vanes in acetal resin.
The pump has a built-in bypass valve; protection category IP 55.
Delivery 100 l/min. at 1420 rpm.



Art. no. **6220**

Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6220	230 VAC	550 W	6,2 A	1420	100 l/min	1" BSP (F)	15 Kg	200x240x300



Art. no. 6738



Art. no. 6738

55 l/min

Diesel transfer kit, with electric 230 VAC – pump, mounted on wall bracket.
Composed of selfpriming electric pump with built-in bypass valve and inlet strainer, ON-/OFF switch, 2 m – cable with plug and fuse, mechanical flow meter (art. no. 2860), 4 m - rubber delivery hose 3/4", 2 m – suction hose ø 25 mm, suction foot valve with filter (art. no. 6647) and automatic nozzle with inlet swivel (art. no. 6725).

Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6738	230 VAC	370 W	1,5 A	2800	55 l/min	1" BSP (F)	18 Kg	400x400x290



Art. no. 6739



Art. no. 6739

100 l/min

Diesel transfer kit, with electric 230 VAC – pump, mounted on wall bracket.
Composed of selfpriming electric pump with built-in bypass valve and inlet strainer, ON-/OFF switch, 2 m – cable with plug and fuse, mechanical flow meter (art. no. 2863), 4 m - rubber delivery hose 3/4", 2 m – suction hose ø 25 mm, suction foot valve with filter (art. no. 6647) and automatic nozzle with inlet swivel (art. no. 6726).

Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6739	230 VAC	750 W	6,2 A	1400	100 l/min	1" BSP (F)	22 Kg	400x400x290



Art. no. 6755



Art. no. 6755

Diesel transfer kit, with electric 230 VAC – pump, mounted on wall bracket (art. no. 6739), but equipped with automatic rewind, spring – driven hose reel, adjustable arms series, in painted steel (art. no. 9095) with 8 m - rubber delivery hose 1", 2 m – connection hose to pump and diesel/water separating cartridge filter (art. no. 6600).



Art. no.	Voltage	Power	Current drain	Rpm	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6755	230 VAC	750 W	6,2 A	1400	80 l/min	1" BSP (F)	42 Kg	400x400x290



Electric, centrifugal transfer pumps for diesel and fuel oil, suitable for the direct mounting on drums or tanks. These non-selfpriming pumps, protection category IP 44, include motors with thermal circuit breaker, integrated siphon protection device, ON-/OFF switch and an integrated connection thread M 64 x 4 and BSP 2". On the shaft a small manual pump is mounted which serves for the filling of the suction hose as well as for a manual pumping if there is no electric power supply available.

Art. no. **6766**

Art. no. **6768**

Art. no. **6769**



Diesel transfer kit, composed of electric 12 VDC, 24 VDC or 230 VAC pump, 3 m – cable with alligator clamps for battery connection (12 VDC and 24 VDC) or 2 m – cable with earth contact type plug (230 VAC), 1,6 m – suction hose with foot filter, 4 m – rubber delivery hose 3/4" with anti-kink spring, hose tails and manual plastic nozzle.



Optional: Electronic turbine flow meter (art. no. 2823).

Art. no.	Voltage	Power	Current drain	Delivery	Connection threads	Weight
6766	12 VDC	150 W	12,5 A	31 l/min	BSP 3/4"	3,2 kg
6768	24 VDC	180 W	7,5 A	34 l/min	BSP 3/4"	3,2 Kg
6769	230 VAC / 50 Hz	250 W	1,2 A	38 l/min	BSP 3/4"	3,6 kg

Art. no. **6770**

Art. no. **6771**

Art. no. **6773**



Diesel transfer kit, composed of electric 12 VDC, 24 VDC or 230 VAC pump, 3 m – cable with alligator clamps for battery connection (12 VDC and 24 VDC) or 2 m – cable with earth contact type plug, 1,6 m – suction hose with foot filter, 4 m – rubber delivery hose 3/4" with anti-kink spring, hose tails and automatic dispensing nozzle with inlet swivel.



Optional: Electronic turbine flow meter (art. no. 2823).

Art. no.	Voltage	Power	Current drain	Delivery	Connection threads	Weight
6770	12 VDC	150 W	12,5 A	31 l/min	BSP 3/4"	4,1 kg
6771	24 VDC	180 W	7,5 A	34 l/min	BSP 3/4"	4,1 Kg
6773	230 VAC / 50 Hz	250 W	1,2 A	38 l/min	BSP 3/4"	4,5 kg

Art. no. **6782**

Art. no. **6783**



Electric, hybrid transfer pumps for diesel, fuel oil, bio-diesel (with suitable hoses), antifreeze (with or without water), suitable for the direct mounting on drums or tanks. These pumps are selfpriming, protection category IP 54, with ON-/OFF switch and an integrated connection thread BSP 2".

Art. no. **6782**

Diesel transfer kit, composed of electric 230 VAC pump, 4 m – cable with earth contact type plug, 1,6 m – suction hose with foot filter, 4 m – rubber delivery hose 3/4", high delivery automatic nozzle with inlet swivel, with electronic in-line turbine flow meter (art. no. 2823).



Art. no. **6783**

Diesel transfer kit, same as art. no. 6782, but without electronic in-line turbine flow meter.

Art. no.	Voltage	Power	Current drain	Delivery	Connection threads	Weight
6782	230 VAC / 50 Hz	950 W	4,5 A	80 l/min	BSP 1"	4,5 kg
6783	230 VAC / 50 Hz	950 W	4,5 A	85 l/min	BSP 1"	4,1 Kg

Compact, encased diesel supply units equipped with electric pump in 12 VDC, 24 VDC, 230 VAC or with pneumatic pump. Easy to install and prepared for an immediate use these units are suitable for stationary installations as well as for mobile applications on trucks or pickups.



Art. no. **6247**
Art. no. **6741**
Art. no. **6750**

Art. no. **6247**

MINI DIESEL 40E

Encased diesel supply unit with electric pump (12 VDC/24 VDC), composed of:

- Electric diesel pump with a delivery of 43 l/min;
- 4 m - delivery hose;
- 2 m - suction hose;
- Automatic nozzle with inlet swivel;
- Mechanical flow meter;
- Suction foot valve with filter.

Art. no. **6741**

MINI DIESEL 50E

Encased diesel supply unit with electric pump (230 VAC), composed of:

- Electric diesel pump with a delivery of 55 l/min;
- 4 m - delivery hose;
- 2 m - suction hose;
- Automatic nozzle with inlet swivel;
- Mechanical flow meter;
- Suction foot valve with filter.

Art. no. **6750**

MINI DIESEL 40P

Encased diesel supply unit with pneumatic pump, composed of:

- Pneumatic, rotary diesel pump with a delivery of 42 l/min;
- 4 m - delivery hose;
- 2 m - suction hose;
- Automatic nozzle with inlet swivel;
- Mechanical flow meter;
- Suction foot valve with filter.

Art. no. **6605 C**

Self-supporting column for Mini Diesel units.



Art. no. **6605 C**
OPTIONAL

Mini Diesel unit with self-supporting column

Art. no.	Voltage	Delivery (at free flow outlet)	Delivery (with hose and nozzle)	Power	Weight	Dimensions (LxWxH) (mm)
6247	12/24 VDC	43 l/min	37 l/min	160 W	19 kg	420x300x470
6741	230 VAC	55 l/min	45 l/min	370 W	32 kg	420x300x470



Art. no.	Compressed air supply	Delivery (at free flow outlet)	Delivery (with hose and nozzle)	Outlet pressure	Weight	Dimensions (LxWxH) (mm)
6750	1-4 bar	42 l/min	37 l/min	4 bar	19 kg	420x300x470



Diesel supply unit "DIESEL KEEPER" with electronic monitoring system for the administration and the dispensing of diesel in non-commercial applications.

This system particularly offers the following:

- Preset of the required dispense quantities;
- Only authorized access into the system via Smartcard and/or PIN-code;
- Data control and administration on PC with wireless communication via radiofrequency* (or also via cable connection, see art. no. 6227C).



Art. no. 6227

Art. no. 6227

The system is based upon the technology of a diesel dispenses monitoring by the use of Smartcards (ICCs). An interface with software for a PC allows the operator to control each single supply and consumption, to activate, to update and to deactivate each Smartcard with data given to each driver and/or vehicle. Besides that statistical data reports can be printed.

The system can distinguish Driver Smartcards from Vehicle Smartcards and is able to control up to **100** drivers and up to **200** vehicles.

The **Driver Smartcards** are only supposed for the personal use and identify each driver (by name, surname and type of access authorization).

The **Vehicle Smartcards** serve to identify each vehicle (by vehicle registration number and model).

The system allows to create different types of access authorization for each driver:

1) Access with Smartcard or PIN

The driver can enter the PIN – code on the display OR insert the Smartcard in order to get access for the dispensing of diesel;

2) Access with Smartcard and PIN

The driver must insert his Smartcard AND must also enter his PIN – code in order to get access for the dispensing of diesel.

Control of consumption

The system will control the diesel consumption of the configured vehicles. Once there are any inconsistencies between the refills of diesel carried out and the registered mileage of a vehicle, a corresponding warning signal will be activated.

The system can also administrate any external dispenses that have been made and will adjust the average consumption value accordingly.

It is possible to carry out free dispenses or dispenses with a preset quantity of diesel through the PC.

Configuration

With the included software the complete installation can be controlled.

- Setup of tanks, assignation with the stored fluid, configuration of storage capacity, minimum level, alarm level, pump stop level;
- Setup of diesel supply units (max. 4), configuration of pulses per liter and number of tanks (max. 4);
- Activation and deactivation of diesel supply units in the installation, configuration of the time between activation and start of dispense as well as of the allowed timeout within a dispense before cancelling it;
- Setup, modification and cancellation of drivers' PIN - codes;
- Setup, modification and cancellation of drivers' Smartcards (general data, type of access authorization, safety code);
- Setup, modification and cancellation of vehicles' Smartcards (vehicle registration number, model description, initial mileage, current mileage, estimated consumption, range until taking action in case of inconsistent data, adjustment of alarm);
- Data transfer from PC to diesel supply unit and vice versa;
- Activation of vehicle consumption monitoring system and entry of external dispense data.

Technical data diesel supply unit:

- Self-supporting cabinet structure in painted steel plate;
- Selfpriming electric pump;
- Automatic nozzle with inlet swivel;
- 3 m – delivery hose 1";
- Automatically ventilated motor;
- Flow meter with pulse transmitter;
- Data entry display;
- Low tension electric switchboard;
- Noise less than 70 dB;
- Accuracy of flow meter +/- 0,5% (min. 10 l);
- Interface PC RS 232 with software;
- Smartcard programming unit.

* Max. distance for wireless communication is 300 m under good conditions.

The presence of other electronic systems or any physical or architectural fences can reduce the transmission range.

Art. no.	Voltage	Power	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6227	230V / 50 Hz	0,55 kW	65 l/min	BSP 1"	102 kg	630x480x1390



The diesel supply unit can also work if the PC is disconnected and it can save up to 500 operations in its internal memory.

Available also as cable based system (see art. no. 6227C).

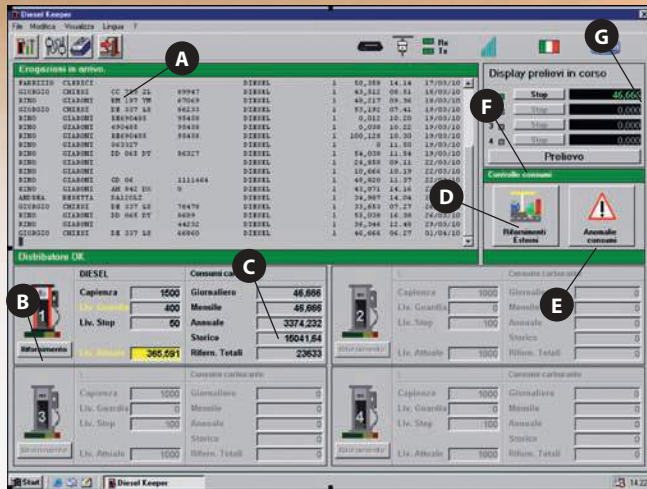


Art. no. 6227C

Electric diesel supply unit "DIESEL KEEPER" with electronic monitoring system, cable based version (data transmission via Belden cables), suitable for installations where a radiofrequency data transmission between PC and diesel supply unit is not possible due to the architectural circumstances or any fences. The cable based version permits also to work on higher distances (500 – 600 m).

Art. no. 8803

Network cable Belden (sold by the meter).



A) List of the last dispenses: there are displayed the name of the user, the vehicle registration number, the current mileage, the type of the dispensed fuel, the number of corresponding the storage tank, the quantity that has been dispensed as well as date and time of the transaction.

B) There can be connected up to 4 diesel supply units: for each unit the total capacity, the warning level, the pump stop level and the current inventory level are shown.

C) Summary of the dispenses carried out: daily, monthly, yearly and historical total volumes as well as the total number of dispenses made from the particular tank can be listed up.

D) The system can account also for external consumptions in order to have a realistic control of the vehicles.

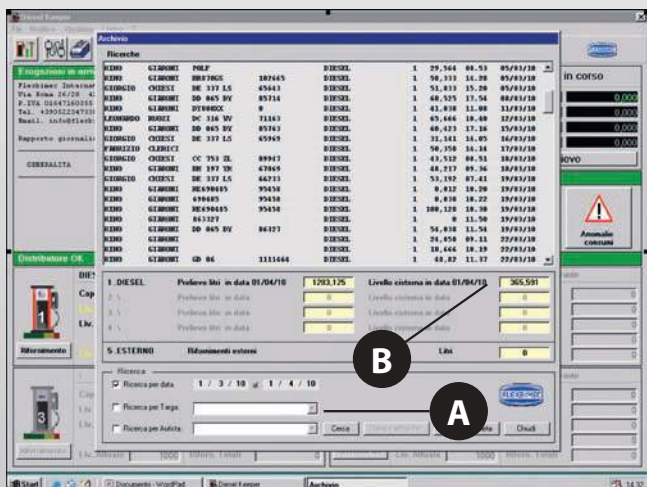
E) The system points out also eventual inconsistencies in the consumptions by comparing the carried out dispenses with the covered mileage. The reference value and the tolerance can be adjusted for each vehicle.

F) It is also possible to give a complete or partial authorization for dispenses from the PC, if no Smartcards shall be given to certain users.

G) The last dispense that has been carried out is displayed.



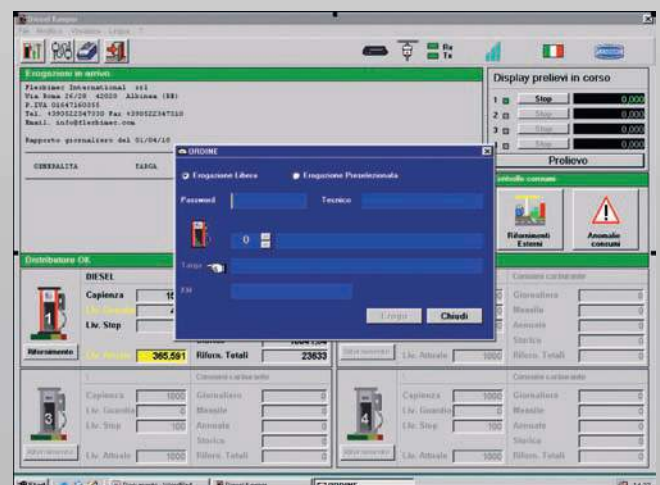
A) Diagnostics of the connection status between PC and diesel supply units.
B) Each tank can be configured by name of the stored fluid, total capacity, warning level, pump stop level, current inventory level and total number of dispenses made.



A) Archive with all details on dispenses: specific searches are possible by applying filters, such as the visualization on the display or the print of any summary, f. ex. lists of carried out jobs according to their chronology, according to the vehicle registration numbers or according to the driver names.

B) By recalling any single dispense it is possible to check the current inventory level in that moment.

A) Free or preset dispenses can be authorized from the PC.



Art. no. 6700

Manual diesel dispensing nozzle, body in aluminium, with plastic hose tail \varnothing 25 mm and dispensing outlet with \varnothing ext. 25 mm, with latch for locking of trigger.
Max flow rate 90 l/min.
The nozzle can also be used for the dispensing of oils with a max. pressure of 7 bar.

Art. no. 6701

Same as art. no. 6700, but with inlet swivel 1" BSP (M-F).

Art. no. 6702

Manual diesel dispensing nozzle, body in aluminium with plastic handle protector, with inlet swivel 1" BSP (M-F) and dispensing outlet with \varnothing ext. 25 mm, with latch for locking of trigger.
Max flow rate 150 l/min.

Art. no. 6725

Automatic diesel dispensing nozzle, body in aluminium with rubber protection, with inlet swivel 1" BSP (M-F) and dispensing outlet with \varnothing ext. 24 mm.
Max flow rate 60 l/min.

Art. no. 6726

Automatic diesel dispensing nozzle, body in aluminium with rubber protection, with inlet swivel 1" BSP (M-F) and dispensing outlet with \varnothing ext. 29 mm.
Max flow rate 120 l/min.

Art. no. 6721

Automatic diesel dispensing nozzle, high delivery version, body in aluminium, with inlet swivel 1 1/2" BSP (M-F) and dispensing outlet with \varnothing ext. 39 mm, with latch for locking of trigger.
Max flow rate 280 l/min.

Art. no. 2107/34

Inlet swivel 3/4" BSP (M) – 1" BSP (F).

Art. no. 2107/10

Inlet swivel 1" BSP (M) – 1" BSP (F).

Art. no. 2107/35

Inlet swivel 3/4" BSP (M) – 1" BSP (M).

Art. no. 2107/36

Inlet swivel 1" BSP (M) – 1" BSP (M).

Art. no. 2107/33

Inlet swivel 3/4" BSP (M) – 3/4" BSP (M).



Art. no. **2860**
Art. no. **2863**

Art. no. 2860

Mechanical nutating – disk flow meter for diesel, body in aluminium, with 3 – digits partial meter (max. 999 l; resettable to zero) and 6 – digits totalizer (non resettable). The meter can easily be calibrated and it can also be used for gravity applications. The upper part can be rotated so that 4 different flow directions are possible.

Art. no. 2863

Same as art. no. 2860, but with 4 – digits partial meter (max. 9999 l; resettable to zero) and 7 – digits totalizer (non resettable).

Art. no.	Flow range	Max working pressure	Burst pressure	Accuracy*	Resolution	Connection threads	Weight
2860 - 2863	20 – 120 l/min	10 bar	30 bar	+/- 1%	0,1 l	1" BSP (F)	2 kg

* Accuracy in % of flow range after calibration



Art. no. **2864**
Art. no. **2859**

Art. no. 2864

Mechanical nutating – disk flow meter for diesel, body in aluminium, with 3 – digits partial meter (max. 999 l; resettable to zero) and 6 – digits totalizer (non resettable). The meter can easily be calibrated and it can also be used for gravity applications. The upper part can be rotated so that 4 different flow directions are possible. With metal casing for better protection.

Art. no. 2859

Same as art. no. 2859, but with 4 – digits partial meter (max. 9999 l; resettable to zero) and 7 – digits totalizer (non resettable).

Art. no.	Flow range	Max working pressure	Burst pressure	Accuracy*	Resolution	Connection threads	Weight
2864 - 2859	20 – 120 l/min	10 bar	30 bar	+/- 1%	0,1 l	1" BSP (F)	1,7 kg

* Accuracy in % of flow range after calibration



Art. no. **2869**

Art. no. **2869** - Electronic oscillating - disk flow meter for diesel, body in aluminium, with 6 – digits partial meter (resettable to zero) and 6 – digits totalizer (non resettable). The meter includes also a flow rate indicator. The upper part can be rotated so that 4 different flow directions are possible.

Art. no. **2865** - Same as art. no. 2869, but with 4 – digits partial meter (max. 9999 l; resettable to zero) and 6 – digits totalizer (non resettable).

Art. no. **2866** - Same as art. no. 2869, but with 3 – digits partial meter (max. 999 l; resettable to zero) and 6 – digits totalizer (non resettable).



Art. no. **2865 - 2866**

Art. no.	Flow range	Max working pressure	Burst pressure	Accuracy*	Resolution	Connection threads	Weight
2869 - 2865 - 2866	5 – 120 l/min	15 bar	30 bar	+/- 0,5%	0,01 l	1" BSP (F)	1,3 kg

* Accuracy in % of flow range after calibration



Art. no. **2852**

Art. no. 2852

Electronic, oval gears flow meter for diesel, body in aluminium, with 3 different totals (single operation, partial totalizer and absolute totalizer). The 4 – digits partial meter (max. 9999 l) is resettable to zero, the 6 – digits totalizer is non resettable.

Art. no.	Flow range	Max working pressure	Burst pressure	Accuracy*	Resolution	Connection threads	Weight
2852	20 – 100 l/min	25 bar	75 bar	+/- 0,5%	0,01 l	1" BSP (F)	2 kg

* Accuracy in % of flow range after calibration



Art. no. **2823**

Art. no. 2823

Electronic turbine flow meter for diesel, body in reinforced polyamide, suitable for in-line applications, with 5 – digits partial meter (resettable to zero) and 6 – digits totalizer (non resettable). The meter includes also a flow rate indicator. The display can be rotated in 4 different positions.

Art. no.	Flow range	Max working pressure	Accuracy*	Resolution	Connection threads	Weight
2823	5 – 120 l/min	20 bar	+/- 1%	0,01 l	1" BSP (M)	0,4 kg

* Accuracy in % of flow range after calibration



Art. no. 6600

Art. no. 6600

In-line filter for diesel and petrol with 30 microns – cartridge for the absorption of water that is eventually present in the storage tank. The water could particularly become dangerous for the diesel motors of the latest generation. The filter continuously absorbs the water which after some time will cause a reduction of the delivery and also a loss of head of the diesel supply unit. Therefore the waterlogged cartridge must be replaced then. The filter can be installed on the suction side as well as on the delivery side of the diesel supply unit.

Art. no. 6603

Replacement cartridge, 30 microns, for filter art. no. 6600.

Art. no.	Max flow rate	Working pressure	Burst pressure	Filtration degree	Connection threads	Dimensions (LxWxH) (mm)
6600	70 l/min	3,5 bar	10 bar	30 microns	1" BSP (F)	100x280x95



Art. no. 6607

Art. no. 6607 - In-line filter for diesel, oil and petrol with 10 microns – cartridge for the absorption of water that is eventually present in the storage tank. The water could particularly become dangerous for the diesel motors of the latest generation. The filter continuously absorbs the water which after some time will cause a reduction of the delivery and also a loss of head of the diesel supply unit. Therefore the waterlogged cartridge must be replaced then. The filter can be installed on the suction side as well as on the delivery side of the diesel supply unit.

Art. no. 6608

Replacement cartridge, 10 microns, for filter art. no. 6607.

Art. no.	Max flow rate	Working pressure	Burst pressure	Filtration degree	Connection threads	Dimensions (LxWxH) (mm)
6607	110 l/min	10 bar	30 bar	10 microns	1" BSP (F)	114x285x135



Art. no. 6613

Art. no. 6613

In-line filter for diesel, oil and petrol with 10 microns – spin-on cartridge. The filter can be installed on the suction side as well as on the delivery side of the diesel supply unit.

Art. no. 6614

Replacement cartridge, 10 microns, for filter art. no. 6613.

Art. no.	Max flow rate	Working pressure	Burst pressure	Filtration degree	Connection threads	Dimensions (LxWxH) (mm)
6613	60 l/min	10 bar	30 bar	10 microns	1" BSP (F)	100x44x98



Art. no. 2267
Art. no. 2265
Art. no. 2268

Art. no. 2861

Art. no. 2267 – 2265 – 2268

In-line (Y – type) filter with strainer, body in brass and strainer in stainless steel.

Art. no. 2861

In-line (Y – type) filter with strainer, body in plastic and strainer in stainless steel.

Art. no.	Working pressure	Burst pressure	Filtration degree	Connection threads	Dimensions (LxWxH) (mm)
2267	10 bar	30 bar	400 microns	1/2" BSP (F)	57x40x24
2265	10 bar	30 bar	400 microns	3/4" BSP (F)	70x52x31
2268	10 bar	30 bar	400 microns	1" BSP (F)	96x68x48
2861	10 bar	20 bar	300 microns	1" BSP (F)	100x80x52



Art. no. 6642 Art. no. 6611 Art. no. 6647

Art. no. 6611 - Plastic suction filter with hose tail ø 25 mm.

Art. no. 6621 - Plastic hose tail ø 25 mm – 3/4" BSP (M).

Art. no. 6622 - Plastic hose tail ø 25 mm – 1" BSP (M).

Art. no. 6623 - Plastic hose tail ø 20 mm – 3/4" BSP (M).

Art. no. 6642 - Suction non-return foot valve, body in plastic, with filter, connection 1" BSP (F).

Art. no. 6647 - Suction non-return foot valve, body in brass, with filter in stainless steel. Connection 1" BSP (M), ø 47,5 mm, total height 91,5 mm.



Art. no. 6621
Art. no. 6622
Art. no. 6623



Art. no. **9254+28815**

Manual, hand crank hose reel, series LS, in black painted steel, with 15 m - rubber hose 3/4", suitable for the supply of diesel.

Art. no. **9254+289610**

Manual, hand crank hose reel, series LS, in black painted steel, with 10 m - rubber hose 1", suitable for the supply of diesel.

Optional



Art. no. **9773**

Swivel bracket

Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9254+28815	20 bar	1" BSP (M) – 3/4" BSP (F)	20 mm	3/4" / 15 m	200 mm	18 kg	500 x 460 x 450
9254+289610	20 bar	1" BSP (M) – 1" BSP (M)	20 mm	1" / 10 m	200 mm	20 kg	500 x 460 x 450



Art. no. **9255+28830**

Manual, hand crank hose reel, series LS, in black painted steel, with 30 m - rubber hose 3/4", suitable for the supply of diesel.

Art. no. **9255+289620**

Manual, hand crank hose reel, series LS, in black painted steel, with 20 m - rubber hose 1", suitable for the supply of diesel.

Optional



Art. no. **9769**

Swivel bracket

Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9255+28830	20 bar	1" BSP (M) – 3/4" BSP (F)	20 mm	3/4" – 30 m	400 mm	35 kg	500 x 460 x 570
9255+289620	20 bar	1" BSP (M) – 1" BSP (M)	20 mm	1" – 20 m	400 mm	39 kg	500 x 460 x 570



Art. no. 9024 + 28808

Automatic rewind, spring-driven hose reel, enclosed series, in painted steel, with 8 m - rubber hose 3/4", suitable for the supply of diesel.



Art. no. 9024+28808



Swivel bracket

Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9024+28808	20 bar	1" BSP (M) - 3/4" BSP (F)	20 mm	3/4" - 8 m	150 mm	28 Kg	160x550x450



Art. no. 9095 + 28810

Automatic rewind, spring-driven hose reel, adjustable arms series EVO, in painted steel, with 10 m - rubber hose 3/4", suitable for the supply of diesel.



Art. no. 9095+28810
Art. no. 9095+289608



Swivel bracket

Art. no. 9095 + 289608

Automatic rewind, spring-driven hose reel, adjustable arms series EVO, in painted steel, with 8 m - rubber hose 1", suitable for the supply of diesel.

Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9095+28810	20 bar	1" BSP (M) - 1" BSP (F)	20 mm	3/4" - 10 m	150 mm	27 Kg	270x530x490
9095+289608	20 bar	1" BSP (M) - 1" BSP (F)	20 mm	1" - 8 m	150 mm	28 Kg	270x530x490



Art. no. 9096+28815

Automatic rewind, spring-driven hose reel, adjustable arms series EVO, in painted steel, with 15 m - rubber hose 3/4", suitable for the supply of diesel.



Art. no. 9096+28815
Art. no. 9096+289612



Swivel bracket

Art. no. 9096+289612

Automatic rewind, spring-driven hose reel, adjustable arms series EVO, in painted steel, with 12 m - rubber hose 1", suitable for the supply of diesel.

Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9096+28815	20 bar	1" BSP (M) - 1" BSP (F)	20 mm	3/4" - 15 m	200 mm	33 Kg	310x530x490
9096+289612	20 bar	1" BSP (M) - 1" BSP (F)	20 mm	1" - 12 m	200 mm	35 Kg	310x530x490



Art. no. 9546 + 28808

Automatic rewind, spring-driven hose reel, enclosed series, in stainless steel AISI 304, with 8 m - rubber hose 3/4", suitable for the supply of diesel.



Art. no. 9546+28808

Optional



Art. no. 9754

Swivel bracket

Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9546+28808	20 bar	1" BSP (M) - 3/4" BSP (F)	20 mm	3/4" - 8 m	150 mm	28 Kg	160x550x450



Art. no. 9595 + 28810

Automatic rewind, spring-driven hose reel, adjustable arms series EVO, in stainless steel AISI 304, with 10 m - rubber hose 3/4", suitable for the supply of diesel.



Art. no. 9595+28810
Art. no. 9595+289608

Art. no. 9595 + 289608

Automatic rewind, spring-driven hose reel, adjustable arms series EVO, in stainless steel AISI 304, with 8 m - rubber hose 1", suitable for the supply of diesel.

Optional



Art. no. 9765

Swivel bracket

Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9595+28810	20 bar	1" BSP (M) - 1" BSP (F)	20 mm	3/4" - 10 m	150 mm	27 Kg	270x530x490
9595+289608	20 bar	1" BSP (M) - 1" BSP (F)	20 mm	1" - 8 m	150 mm	28 Kg	270x530x490



Art. no. 9596+28815

Automatic rewind, spring-driven hose reel, adjustable arms series EVO, in stainless steel AISI 304, with 15 m - rubber hose 3/4", suitable for the supply of diesel.



Art. no. 9596+28815
Art. no. 9596+289612
Art. no. 9584+289615

Art. no. 9596+289612

Automatic rewind, spring-driven hose reel, adjustable arms series EVO, in stainless steel AISI 304, with 12 m - rubber hose 1", suitable for the supply of diesel.

Art. no. 9584+289615

Automatic rewind, spring-driven hose reel, adjustable arms series EVO, in stainless steel AISI 304, with 15 m - rubber hose 1", suitable for the supply of diesel.

Optional



Art. no. 9776 - Art. no. 9764

Swivel bracket

Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9596+28815	20 bar	1" BSP (M) - 1" BSP (F)	20 mm	3/4" - 15 m	200 mm	33 Kg	310x530x490
9596+289612	20 bar	1" BSP (M) - 1" BSP (F)	20 mm	1" - 12 m	200 mm	35 Kg	310x530x490
9584+289615	20 bar	1" BSP (M) - 1" BSP (F)	20 mm	1" - 15 m	300 mm	42 Kg	410x530x490





Art. no. **9030+28812**
Art. no. **9030+289608**

Art. no. 9030 + 28812

Automatic rewind, spring-driven hose reel, heavy duty series, in painted steel, with 12 m - rubber hose 3/4", suitable for the supply of diesel.

Art. no. 9030 + 289608

Automatic rewind, spring-driven hose reel, heavy duty series, in painted steel, with 8 m - rubber hose 1", suitable for the supply of diesel.

Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9030+28812	20 bar	1" BSP (M) - 1" BSP (F)	20 mm	3/4" - 12 m	150 mm	34 Kg	550x450x300
9030+289608	20 bar	1" BSP (M) - 1" BSP (F)	20 mm	1" - 8 m	150 mm	32 Kg	550x450x300

Optional



Art. no. **9768**

Swivel bracket



Art. no. **9097+28818**
Art. no. **9097+289615**

Art. no. 9097 + 28818

Automatic rewind, spring-driven hose reel, adjustable arms series, in painted steel, with 18 m - rubber hose 3/4", suitable for the supply of diesel.

Art. no. 9097 + 289615

Automatic rewind, spring-driven hose reel, adjustable arms series, in painted steel, with 15 m - rubber hose 1", suitable for the supply of diesel.

Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9097+28818	20 bar	1" BSP (M) - 1" BSP (F)	20 mm	3/4" - 18 m	300 mm	42 Kg	590x450x460
9097+289615	20 bar	1" BSP (M) - 1" BSP (F)	20 mm	1" - 15 m	300 mm	40 Kg	590x450x460

Optional



Art. no. **9769**

Swivel bracket



Art. no. **9036+28830**
Art. no. **9036+289525**

Art. no. 9036 + 28830

Automatic rewind, spring-driven hose reel, heavy duty series, in painted steel, with 30 m - rubber hose 3/4", suitable for the supply of diesel.

Art. no. 9036 + 289525

Automatic rewind, spring-driven hose reel, heavy duty series, in painted steel, with 25 m - rubber hose 1", suitable for the supply of diesel.

Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9036+28830	20 bar	1" BSP (M) - 1" BSP (F)	20 mm	3/4" - 30 m	400 mm	68 Kg	550x540x520
9036+289525	20 bar	1" BSP (M) - 1" BSP (F)	20 mm	1" - 25 m	400 mm	66 Kg	550x540x520





Art. no. **9529+28812**
Art. no. **9529+289608**

Art. no. **9529 + 28812**

Automatic rewind, spring-driven hose reel, heavy duty series, in stainless steel AISI 304, with 12 m - rubber hose 3/4", suitable for the supply of diesel.

Art. no. **9529 + 289608**

Automatic rewind, spring-driven hose reel, heavy duty series, in stainless steel AISI 304, with 8 m - rubber hose 1", suitable for the supply of diesel.

Optional



Art. no. **9765**

Swivel bracket

Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9529+28812	20 bar	1" BSP (M) - 1" BSP (F)	20 mm	3/4" - 12 m	150 mm	34 Kg	550x450x300
9529+289608	20 bar	1" BSP (M) - 1" BSP (F)	20 mm	1" - 8 m	150 mm	32 Kg	550x450x300



Art. no. **9525+28818**
Art. no. **9525+289615**

Art. no. **9525 + 28818**

Automatic rewind, spring-driven hose reel, heavy duty series, in stainless steel AISI 304, with 18 m - rubber hose 3/4", suitable for the supply of diesel.

Art. no. **9525 + 289615**

Automatic rewind, spring-driven hose reel, heavy duty series, in stainless steel AISI 304, with 15 m - rubber hose 1", suitable for the supply of diesel.

Optional



Art. no. **9764**

Swivel bracket

Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9525+28818	20 bar	1" BSP (M) - 1" BSP (F)	20 mm	3/4" - 18 m	300 mm	42 Kg	590x450x460
9525+289615	20 bar	1" BSP (M) - 1" BSP (F)	20 mm	1" - 15 m	300 mm	41 Kg	590x450x460



Art. no. **9536+28830**
Art. no. **9536+289625**

Art. no. **9536 + 28830**

Automatic rewind, spring-driven hose reel, heavy duty series, in stainless steel AISI 304, with 30 m - rubber hose 3/4", suitable for the supply of diesel.

Art. no. **9536 + 289625**

Automatic rewind, spring-driven hose reel, heavy duty series, in stainless steel AISI 304, with 25 m - rubber hose 1", suitable for the supply of diesel.

Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9536+28830	20 bar	1" BSP (M) - 1" BSP (F)	20 mm	3/4" - 30 m	400 mm	68 Kg	550x540x520
9536+289625	20 bar	1" BSP (M) - 1" BSP (F)	20 mm	1" - 25 m	400 mm	66 Kg	550x540x520



Art. no. 9031+289708

Automatic rewind, spring-driven hose reel, adjustable arms series EVO, in painted steel, with 8 m - rubber hose 1' 1/4" (ø int. 32 mm), suitable for the supply of high volumes of diesel.

Art. no. 9531+289708

Automatic rewind, spring-driven hose reel, adjustable arms series EVO, in stainless steel AISI 304, with 8 m - rubber hose 1' 1/4" (ø int. 32 mm), suitable for the supply of high volumes of diesel.

Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9031+289708	10 bar	1' 1/4" BSP (M) - 1' 1/4" BSP (F)	30 mm	1' 1/4" / 8 m	200 mm	32 kg	330x530x490
9531+289708	10 bar	1' 1/4" BSP (M) - 1' 1/4" BSP (F)	30 mm	1' 1/4" / 8 m	200 mm	32 kg	330x530x490



Art. no. 9031+289708
Art. no. 9531+289708

Art. no. 9038+289715

Automatic rewind, spring-driven hose reel, adjustable arms series EVO, in painted steel, with 15 m - rubber hose 1' 1/4" (ø int. 32 mm), suitable for the supply of high volumes of diesel.

Art. no. 9038+289720

Automatic rewind, spring-driven hose reel, adjustable arms series EVO, in painted steel, with 20 m - rubber hose 1' 1/4" (ø int. 32 mm), suitable for the supply of high volumes of diesel.

Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9038+289715	10 bar	1' 1/4" BSP (M) - 1' 1/4" BSP (F)	30 mm	1' 1/4" - 15 m	400 mm	67 Kg	550x530x490
9038+289720	10 bar	1' 1/4" BSP (M) - 1' 1/4" BSP (F)	30 mm	1' 1/4" - 20 m	400 mm	78 Kg	550x530x490



Art. no. 9038+289715
Art. no. 9038+289720

Art. no. 9039+2899715

Automatic rewind, spring-driven hose reel, adjustable arms series EVO, in painted steel, with 15 m - rubber hose 1' 1/2" (ø int. 38 mm), suitable for the supply of high volumes of diesel.

Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9039+2899715	10 bar	1' 1/2" BSP (M) - 1' 1/2" BSP (F)	36 mm	1' 1/2" - 15 m	400 mm	80 Kg	550x530x490



Art. no. 9039+2899715

Art. no. 9079+289720

Hose reel, in painted steel, with electric motor for hose rewind, with 20 m - rubber hose 1' 1/4" (ø int. 32 mm), suitable for the supply of high volumes of diesel. The motor is connected to an external reduction gear with clutch torque limiter. The hose can be unwinded manually, whereas the rewind is made by activating an electric 12 VDC motor by means of a small control switchboard. The hose reel is supplied with a high frequency transmitter (433,9 MHz) with remote control to enable also an activation from a distance (= art. no. 8412).

Art. no. 9079+2899715

Same as above, but with 15 m - rubber hose 1' 1/2" (ø int. 38 mm).

Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)	H	W	L
9079+289720	10 bar	1' 1/4" BSP (M) - 1' 1/4" BSP (F)	30 mm	1'1/4" - 20 m	400 mm	78 Kg	800x620x630			
9079+2899715	10 bar	1' 1/2" BSP (M) - 1' 1/2" BSP (F)	36 mm	1'1/2" - 15 m	400 mm	85 Kg	800x620x630			

Art. no. 9079+289720
Art. no. 9079+2899715

Art. no. 9538+289715

Automatic rewind, spring-driven hose reel, adjustable arms series EVO, in stainless steel AISI 304, with 15 m - rubber hose 1' 1/4" (ø int. 32 mm), suitable for the supply of high volumes of diesel.

Art. no. 9538+289720

Automatic rewind, spring-driven hose reel, adjustable arms series EVO, in stainless steel AISI 304, with 20 m - rubber hose 1' 1/4" (ø int. 32 mm), suitable for the supply of high volumes of diesel.

Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)	H	W	L
9538+289715	10 bar	1' 1/4" BSP (M) - 1' 1/4" BSP (F)	30 mm	1'1/4" - 15 m	400 mm	67 Kg	550x530x490			
9538+289720	10 bar	1' 1/4" BSP (M) - 1' 1/4" BSP (F)	30 mm	1'1/4" - 20 m	400 mm	78 Kg	550x530x490			

Art. no. 9538+289715
Art. no. 9538+289720

Art. no. 9539+2899715

Automatic rewind, spring-driven hose reel, adjustable arms series EVO, in stainless steel AISI 304, with 15 m - rubber hose 1' 1/2" (ø int. 38 mm), suitable for the supply of high volumes of diesel.



Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)	H	W	L
9539+2899715	10 bar	1' 1/2" BSP (M) - 1' 1/2" BSP (F)	36 mm	1'1/2" - 15 m	400 mm	80 Kg	550x530x490			

Art. no. 9539+2899715

Art. no. 6561

Pneumatic, selfpriming rotary vane pump for the transfer of petrol, with body in cast iron with anticorrosive coating and plastic rotor. The pump is equipped with an earth cable to enable an electrostatic discharge and is constructed in accordance with directive ATEX 94/9/EC.



Art. no.	Compressed air supply	Max outlet pressure	Max delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6561	1 – 4 bar	4 bar	35 l/min	3/4" BSP (F)	3 kg	140x150x190

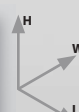


Art. no. 6930

Pneumatic 1:1 – piston pump, suitable for the suction and the transfer of petrol. The pump is equipped with an earth cable to enable an electrostatic discharge and is constructed in accordance with directive ATEX 94/9/EC.



Art. no.	Compressed air supply	Max outlet pressure	Max delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6930	2 – 6 bar	6 bar	25 l/min	3/4" BSP (F)	8 kg	530x120x90

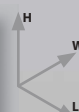


Art. no. 6931

Electric, selfpriming 12 VDC – rotary vane pump (on demand also available in 230 VAC) for the transfer of petrol, with painted body in cast iron with anticorrosive coating, anti-noise filter (electromagnetic compatibility EMC), thermal protection, non-return valve, pressure relief valve, built-in bypass valve and 2 m – cable with alligator clamps for battery connection. The pump is constructed in accordance with directive ATEX 94/9/EC – IECEx (group II – category 2 – G Ex d IIA T4 Gb).



Art. no.	Voltage	Power	Current drain	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6931	12 VDC	250 W	50 l/min	21 A	1" BSP (F)	7 kg	195x355x270



Art. no. **6933**

Wall-mounted petrol transfer kit, composed of 1:1 - pneumatic piston pump, pressure regulator with lubricator, wall bracket, suction hose with foot valve, 3 m - rubber supply hose 3/4" with static wire, automatic nozzle with inlet swivel. The pump is equipped with an earth cable to enable an electrostatic discharge and is constructed in accordance with directive ATEX 94/9/EC.



Art. no.	Compressed air supply	Air consumption	Max outlet pressure	Max delivery	Connection threads	Weight
6933	1 – 4 bar	120 l/min	4 bar	25 l/min	3/4" BSP (F)	15 kg

Art. no. **6933**

Art. no. **6934**

Petrol transfer kit, composed of 1:1 - pneumatic rotary vane pump, pressure regulator with lubricator, suction tube of 950 mm length with non-return valve, bung adapter, 3 m - rubber hose 3/4" with static wire, automatic nozzle with inlet swivel. The pump is equipped with an earth cable to enable an electrostatic discharge and is constructed in accordance with directive ATEX 94/9/EC.



Art. no.	Compressed air supply	Air consumption	Max outlet pressure	Max delivery	Connection threads	Weight
6934	4 bar	160 l/min	4 bar	35 l/min	3/4" BSP (F)	12 Kg

Art. no. **6934**

Art. no. **6935**

Petrol transfer kit, composed of electric, selfpriming 12VDC - rotary vane pump (on demand also available in 230 VAC), with painted body in cast iron with anticorrosive coating, anti-noise filter (electromagnetic compatibility EMC), thermal protection, non-return valve, pressure relief valve, built-in bypass valve, 2 m - cable with alligator clamps for battery connection, nozzle holster with lock and ON/OFF-lever, telescopic suction tube in galvanized steel, 3 m - rubber hose 3/4" with static wire, manual aluminium nozzle with inlet swivel (on demand also automatic nozzle available!) and in-line filter with 30 microns - cartridge for the absorption of water that is eventually present in the storage tank. The pump is constructed in accordance with directive ATEX 94/9/EC - IECEx (group II - category 2 - G Ex d IIA T4 Gb).



Art. no.	Voltage	Power	Current drain	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6935	12 VDC	250 W	21 A	50 l/min	1" BSP (F)	10 Kg	400x500x460

Art. no. **6935**

Art. no. **3115**

Mobile suction unit for petrol, equipped with pneumatic, rotary gear pump in stainless steel, pressure regulator with lubricator, suction hose, kit of suction probes in different diameters, storage bowl, two wheels trolley and 20 l - plastic can for collection of the sucked petrol. The unit is equipped with an earth cable to enable an electrostatic discharge and is constructed in accordance with directive ATEX 94/9/EC.

Art. no.	Max vacuum	Inlet pressure	Compression ratio pump	Air consumption	Outlet pressure	Weight	Dimensions (LxWxH) (mm)
3115	0,8 bar	3 bar	1:1	200 l/min	3 bar	17 Kg	410x420x910



Art. no. **3115**

Art. no. **6938**

Mobile suction unit for petrol, equipped with pneumatic 1:1 - piston pump, pressure regulator with lubricator, trolley with 2 fixed wheels and 2 castors, 20 l - metal jerrycan, for the collection of the sucked petrol, suction hose, kit of suction probes in different diameters and storage bowl. The unit is equipped with an earth cable to enable an electrostatic discharge and is constructed in accordance with directive ATEX 94/9/EC.



Art. no.	Compressed air supply	Max outlet pressure	Max delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6938	2 - 6 bar	6 bar	25 l/min	3/4" BSP (F)	19 kg	600x600x1050



Art. no. **6938**

Art. no. **6728**

Automatic shut-off dispensing nozzle for petrol, with rubber protection, connection 3/4" BSP (F). Max flow rate 50 l/min.



Art. no. **6728**

Art. no. **6702/B**

Manual dispensing nozzle for petrol, body in aluminium with plastic handle protector, with inlet swivel 1" BSP (M-F) and dispensing outlet with ø ext. 25 mm, with latch for locking of trigger. Max flow rate 150 l/min.



Art. no. **6702/B**

Art. no. **2867**

Mechanical nutating – disk flow meter for petrol, kerosene and diesel, with 3 – digits partial meter (max. 999 l; resettable to zero) and 6 – digits totalizer (non resettable). The meter can easily be calibrated and it can also be used for gravity applications. The upper part can be rotated so that 4 different flow directions are possible. The flow meter is constructed in accordance with directive ATEX 99/92/EC – IECEx (group II – category 2 – G IIB T6) and so is suitable also for the use in environments with a high explosion risk.



Art. no. **2867**

Art. no.	Flow range	Max working pressure	Burst pressure	Accuracy*	Resolution	Connection threads	Weight
2867	20 – 120 l/min	3,5 bar	28 bar	+/- 1%	0,01 l	1" BSP (F)	0,6 kg

* Accuracy in % of flow range after calibration

Art. no. **2869**

Electronic oscillating - disk flow meter for petrol, body in aluminium, with 6 – digits partial meter (resettable to zero) and 6 – digits totalizer (non resettable). The meter includes also a flow rate indicator. The upper part can be rotated so that 4 different flow directions are possible.



Art. no. **2869**

Art. no.	Flow range	Max working pressure	Burst pressure	Accuracy*	Resolution	Connection threads	Weight
2869	5 – 120 l/min	3,5 bar	28 bar	+/- 0,5%	0,01 l	1" BSP (F)	1,1 kg

* Accuracy in % of flow range after calibration

Art. no. **9527/EX+289408**

Automatic rewind, spring-driven hose reel, adjustable arms series, in stainless steel AISI 304, in accordance with directive ATEX 94/9/EC – group II – category 2, with 8 m - rubber hose 1" (ø int. 25 mm), suitable for the supply of petrol in accordance with norm EN 1761:1994.



Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9527/EX+289408	18 bar	1" BSP (M) – 1" BSP (F)	20 mm	1" – 8 m	150 mm	29 kg	290x460x450

Optional



Art. no. **9765**

Swivel bracket

Art. no. **9527/EX+289408**

Art. no. **9525/EX+289415**

Automatic rewind, spring-driven hose reel, heavy duty series, in stainless steel AISI 304, in accordance with directive ATEX 94/9/EC – group II – category 2, with 15 m - rubber hose 1" (ø int. 25 mm), suitable for the supply of petrol in accordance with norm EN 1761:1994.



Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9525/EX+289415	18 bar	1" BSP (M) – 1" BSP (F)	20 mm	1" – 15 m	300 mm	38 kg	460x590x450

Optional



Art. no. **9764**

Swivel bracket

Art. no. **9525/EX+289415**

Art. no. **9536/EX+289425**

Automatic rewind, spring-driven hose reel, adjustable arms series, in stainless steel AISI 304, in accordance with directive ATEX 94/9/EC – group II – category 2, with 25 m - rubber hose 1" (ø int. 25 mm), suitable for the supply of petrol in accordance with norm EN 1761:1994.



Art. no.	Max pressure	Connection threads inlet - outlet	Internal ø inlet swivel joint	ø / Length delivery hose	Width reel	Weight	Dimensions (LxWxH) (mm)
9536/EX+289425	18 bar	1" BSP (M) – 1" BSP (F)	20 mm	1" – 25 m	400 mm	61 kg	520x550x540



Art. no. **9536/EX+289425**


Art. no. 8231
Art. no. 8231

Jerry can in polyethylene, suitable for the storage of petrol, with flexible outlet. With UN – approval.

Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
8231/5	5 l	0,5 kg	260x140x240
8231/10	10 l	0,65 kg	300x170x260
8231/20	20 l	1,2 kg	350x190x380


OPTIONAL
Art. no. 8231/T
Art. no. 8235
Art. no. 8235

Jerry can in painted sheet steel, suitable for the storage of petrol, internally painted. With UN – approval.

Optional:

- Art. no. 8231/T: Rigid dispensing outlet with quick connection coupling
- Art. no. 8231/F: Flexible dispensing outlet with quick connection coupling

Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
8235/5	5 l	1,9 kg	230x120x330
8235/10	10 l	2,9 kg	370x280x170
8235/20	20 l	4,2 kg	350x160x470


Art. no. 8237
Art. no. 8237

Jerry can in stainless sheet steel, suitable for the storage of petrol, wall thickness 0,8 mm. With UN – approval.

Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
8237/10	10 l	2,9 kg	350x170x280
8237/20	20 l	4,2 kg	350x170x473


Art. no. 8224/95
Art. no. 8224/95

Mobile petrol dispensing kit, consisting of 95 l – container, in high density polyethylene, electrically conductive to enable an electrostatic discharge, filling cap with air vent valve, integral grip and carry handles, 2 pneumatic tyres ø 300 mm, manual, single acting lever pump (constructed in accordance with directive ATEX 94/9/EC – Ex II 2/2 G c T3), delivery 25 l/min., 3 m – statically conductive rubber supply hose, manual dispensing nozzle, nozzle holder and earth cable for an electrostatic discharge.

Suitable for transportation according to ADR 1.1.3.1(c).

Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
8224/95	95 l	25 kg	1000x590x430





Art. no. **8223/220**
Art. no. **8223/430**

Art. no. **8223/220**
Art. no. **8223/430**

Portable diesel storage tank in polyethylene (wall thickness 5 mm), suitable for the transport in trucks or pick-ups, with ADR – approval (according to ADR 1.1.3.1.c), including refill tube, air vent valve, level gauge, forklift pockets and handles for transport (empty), equipped with electric, selfpriming vane pump 12 VDC (on demand also 24 VDC) with a delivery of 45 l/min, ON-/OFF-switch, automatic diesel dispensing nozzle, 4 m – rubber delivery hose 3/4" and 4 m – cable with alligator clamps for battery connection. Includes a lockable plastic cover.

Optional: electronic diesel flow meter (art. no. 2823).

Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
8223/220	220 l	28 kg	800x600x610
8223/430	430 l	58 kg	1160x760x780



Art. no. **8224/120**
Art. no. **8224/190**

Art. no. **8224/120**
Art. no. **8224/190**

Portable petrol storage tank in high density polyethylene, electricly conductive to enable an electrostatic discharge, suitable for the transport in trucks or pick-ups, with ADR – approval (according to ADR 1.1.3.1.c), including refill tube, air vent valve, level gauge, forklift pockets and handles for transport (empty), equipped with electric, selfpriming rotary vane pump 12 VDC (on demand also 24 VDC) with a delivery of 40 l/min. (constructed in accordance with directive ATEX 94/9/EC – IECEx (group II – category 2 – G Ex d IIA T4 Gb)), 4 m – cable with alligator clamps for battery connection, 4 m – statically conductive rubber supply hose, automatic petrol dispensing nozzle and nozzle holder. Includes a lockable plastic cover.
On demand also available with manual dispensing pump.



Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
8224/120	120 l	26 kg	800x600x470
8224/190	190 l	38 kg	800x600x610



Art. no. **8225/125** Art. no. **8225/430**
Art. no. **8225/200** Art. no. **8225/600**

Art. no. **8225/125**
Art. no. **8225/200**
Art. no. **8225/430**
Art. no. **8225/600**

Portable storage tank for AdBlue®/DEF/AUS32 in high density polyethylene, suitable for the transport in trucks or pick-ups (ADR – approval not required), including refill tube, air vent valve, level gauge, forklift pockets and handles for transport (empty), equipped with electric, selfpriming diaphragm pump 12 VDC (on demand also 24 VDC) with a delivery of 30 l/min, ON-/OFF-switch, automatic diesel dispensing nozzle, 4 m – delivery hose in EPDM, and 4 m – cable with alligator clamps for battery connection. Includes a lockable plastic cover.
Optional: electronic flow meter, suitable for AdBlue®/DEF/AUS32 (art. no. 2822).

Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
8225/125	125 l	25 kg	800x620x470
8225/200	200 l	26 kg	800x620x610
8225/430	430 l	44 kg	1160x760x730
8225/600	600 l	52 kg	1160x800x1020



AdBlue® (Diesel Exhaust Fluid (DEF)) is a solution of synthetically produced urea in de-mineralized water which is used to reduce the emissions of nitrogen oxides from the exhaust systems of diesel vehicles. The average consumption of AdBlue is approx. 5 % of the diesel consumption. It is injected into the exhaust system of heavy diesel vehicles constructed according to norm EURO VI. These vehicles are equipped with a dedicated AdBlue® tank which requires special equipment for the refilling.



Art. no. 5496

Art. no. 5496

Lever action pump in stainless steel, seals in PTFE, suitable for the use in drums or in 1000 l – IBC – tanks, with 4 m – delivery hose, rigid dispensing outlet and bung adapter for fixation on drum or tank. Delivery 8 l/min.

Art. no.	Delivery/stroke	Delivery	Connection threads	Weight
5496	0,13 l	8 l/min	3/4" BSP	2 Kg



Art. no. 5491

Rotary action PVC pump, suitable for the use in drums, seals in PTFE, metal parts in stainless steel, curved dispensing outlet (ø ext. 1") and bung adapter for fixation on drum.

Art. no.	Delivery/rotation	Delivery	Connection threads	Weight
5491	0,25 l	15 l/min	1" BSP	1,8 Kg



Art. no. 5493

Art. no. 5493

Lever action polypropylene pump, suitable for the use in drums, with 2 m – PVC delivery hose, rigid dispensing outlet and bung adapter for fixation on drum or tank.

Suitable also for the use with waterbased fluids, detergents, soaps, antifreeze, windshield washer fluids, lubricants.

Art. no.	Delivery/stroke	Delivery	Connections	Weight
5493	0,5 l	12 l/min	PTG 19	1,6 kg

Art. no. 6160

Electric, selfpriming vane pump for the supply of AdBlue® at low pressure; guarantees a constant flow and a low noise level.

Pump body in **stainless steel AISI 304**, rotor in special rubber.

Connection threads 3/4" (F) BSP. Protection category IP 55.

Cable L. 1,5 m with plug included.



Art. no. 6160

Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Delivery	Weight	Dimensions (LxWxH) (mm)
6160	230 VAC – 50 Hz	5,3 A	1360	0,75 Kw	4 bar	25 l/min	9 Kg	240x290x180



Art. no. 6132

Electric, selfpriming gear pump for the supply of AdBlue®; guarantees a constant flow and a low noise level.

Pump body in **stainless steel AISI 304**, gears in Kevlar®.

Connection threads 3/8" (F) BSP. Protection category IP 55.

Cable L. 1,5 m with plug included.



Art. no. 6132

Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Delivery	Weight	Dimensions (LxWxH) (mm)
6132	230 VAC – 50 Hz	5,3 A	1360	0,55 Kw	15 bar	11 l/min	7,5 Kg	150x300x190



Art. no. 6155

Electric, selfpriming diaphragm pump, 230 VAC, for the supply of AdBlue® at low pressure.

Pump body in **plastic material**, with ON-/OFF switch, 2 m – cable with plug.

Connections: hose tails ø 19 mm (3/4").

The pump is available on demand also with 120 VAC – motor.

Max operating time: 20 min.



Art. no. 6155

Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Delivery	Weight	Dimensions (LxWxH) (mm)
6155	230 VAC – 50 Hz	1,95 A	1400	0,4 Kw	1,5 bar	34 l/min	7 kg	350x180x280



Art. no. 6153

Art. no. 6154

Electric, selfpriming diaphragm pump, 12 VDC and 24 VDC, for the supply of AdBlue® at low pressure.

Pump body in plastic material, with ON-/OFF switch, 4 m – cable with alligator clamps for battery connection.

Connections: hose tails ø 19 mm (3/4").

Max operating time: 20 min.



Art. no. 6153
Art. no. 6154

Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Delivery	Weight	Dimensions (LxWxH) (mm)
6153	12 VDC	22 A	2800	0,26 Kw	1,5 bar	36 l/min	3,6 Kg	350x160x280
6154	24 VDC	13 A	2800	0,31 Kw	1,5 bar	36 l/min	3,6 Kg	350x160x280





Art. no. **6745**

Electric AdBlue® dispensing kit, composed of 230 VAC – electric pump (art. no. 6160) with body in stainless steel and rotor in special rubber, delivery 25 l/min., suitable for the use in 1000 l – IBC – tanks, with bung adapter, metal mounting frame with gun holder, plastic suction tube, length 1100 mm with 0,8 m - connection hose to pump, 3 m – EPDM delivery hose 1/2" and electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet ø 16 mm (art. no. 2735).

Art. no. **6745/200**

Same kit as art. no. 6745, but with suitable components for the use with 208 l – plastic drums.

Art. no. **6745/60**

Same kit as art. no. 6745, but with suitable components for the use with 60 l – plastic drums.



Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Delivery	Weight
6745	230 VAC – 50 Hz	5,3 A	1360	0,75 Kw	4 bar	25 l/min	22 Kg
6745/200	230 VAC – 50 Hz	5,3 A	1360	0,75 Kw	4 bar	25 l/min	22 Kg
6745/60	230 VAC – 50 Hz	5,3 A	1360	0,75 Kw	4 bar	25 l/min	22 Kg



Art. no. **6744**

Electric AdBlue® dispensing kit, composed of 230 VAC – electric pump (art. no. 6160) with body in stainless steel and rotor in special rubber, delivery 25 l/min., suitable for the use in 1000 l – IBC – tanks, with bung adapter, metal mounting frame with gun holder, plastic suction tube, length 1100 mm with 0,8 m - connection hose to pump, automatic rewind, spring – driven hose reel, adjustable arms series, in stainless steel, with 15 m – EPDM delivery hose 1/2" and electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet ø 16 mm.

Art. no. **6743**

Same kit as art. no. 6744, but with automatic dispensing nozzle for AdBlue® instead of manual dispensing nozzle with electronic flow meter.



Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Delivery	Weight
6744	230 VAC – 50 Hz	5,3 A	1360	0,75 Kw	4 bar	25 l/min	48 Kg
6743	230 VAC – 50 Hz	5,3 A	1360	0,75 Kw	4 bar	25 l/min	48 Kg



Art. no. **6747**
Art. no. **6748**
Art. no. **6752**

Art. no. **6747**
Art. no. **6752**

Pneumatic AdBlue® dispensing kit, composed of pneumatic piston pump with wetted parts in stainless steel (art. no. 6747: with 3:1 – pump model, art. no. 6752: with 1:1 – pump model), suitable for the use in drums or in 1000 l – IBC – tanks, pressure regulator with manometer and air filter, bung adapter, 3 m – EPDM delivery hose 1/2" and electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet ø 16 mm.

Art. no. **6748**

Same kit as art. no. 6747, but with dispensing nozzle without electronic flow meter.

Art. no. **6753**

Same kit as art. no. 6752, but with automatic dispensing nozzle for AdBlue® instead of manual dispensing nozzle with electronic flow meter.



Art. no. **6753**

Art. no.	Compressed air supply	Max outlet pressure	Max delivery	Weight
6747	3-8 bar	24 bar	15 l/min	15 Kg
6752	3-8 bar	8 bar	35 l/min	16 Kg
6753	3-8 bar	8 bar	35 l/min	17 Kg

Art. no. **6751**



Art. no. **6751**

Pneumatic AdBlue® dispensing kit, composed of 3:1 – pneumatic piston pump with wetted parts in stainless steel (art. no. 1050), suitable for the use in 1000 l – IBC – tanks, delivery 15 l/min, with bung adapter, metal mounting frame with gun holder, pressure regulator with manometer and air filter, automatic rewind, spring – driven hose reel, adjustable arms series, in stainless steel, with 15 m – EPDM delivery hose 1/2" and electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet ø 16 mm.

Art. no.	Compressed air supply	Compression ratio	Max outlet pressure	Max delivery	Weight
6751	3-8 bar	3:1	24 bar	15 l/min	34 Kg

The European Directive 2004/22/EC, better known as Directive MID (Measuring Instruments Directive), is a community norm responding to reasons of public interest, safety and order, protection of the environment and the consumer, of levying taxes and duties and of fair trading, which directly and indirectly affect the daily life of citizens in many ways, may require the use of legally controlled measuring instruments.

The MID - MI005 involves measuring systems for continuous and dynamic measurement of quantities of liquids other than water, among those also AdBlue®/DEF/AUS32.

The Flexbimec oil flow meter series "MID - MI005" meets all metrological standards and requirements concerning accuracy defined in the Directive and can be used therefore as approved meters also in fiscal transactions.



Art. no. 2736

Art. no. 2736

Electronic oval gears flow meter for AdBlue®, approved in progress for fiscal transactions **according to MID MI-005, Directive 2004/22/CE**, with control gun, rubber protection guard, oil flow control tube with transparent insert, flexible rubber outlet, \varnothing 1/2", automatic anti-drip nozzle and inlet swivel 1/2" BSP (M).

OPERATING CONDITIONS FOR THE USE	
Fluid type	AdBlue® AUS32
Flow range	0,5 – 5 l/min
Min. measurable quantity	0,5 l
Accuracy class	0,5 (MID-MI005 – OIML R117-1)
Operating temperature range	+ 5°C / + 40°C
Working pressure range	1 – 4 bar
Display resolution degree	0,005 l
Mechanical environment category	M1
Electromagnetic environment category	E2
Checksum code	cksum E57E
Protection category	IP 64
Underlying CE directives	2004/108/CE 2006/95/CE
Underlying CE norms	CEI EN 61000-4-2 CEI EN 61000-4-2 A1 CEI EN 61000-4-2 A2 CEI EN 61000-4-3
Quantity of storable single operations data	2000 record dati
Composition of storable single operations data	H) Serial number of single dispense; I) Year of dispense; J) Month and day of dispense; K) Time of dispense; L) Dispensed quantity of single operation; M) Absolute total of dispensed quantities.

Art. no. 6752MID



Art. no. 6752MID

Encased AdBlue® dispensing kit, composed of pneumatic 1:1 – piston pump with wetted parts in stainless steel, air separator kit approved according to OIML R117-1, pump pulsation damper, pressure regulator with manometer and air filter, 3 m – EPDM delivery hose 1/2" and electronic oval gears flow meter for AdBlue®, with control gun and rigid outlet \varnothing 16 mm, approved in progress for fiscal transactions **according to MID MI-005, Directive 2004/22/CE**.

Art. no.	Compressed air supply	Max outlet pressure	Max delivery	Weight
6752MID	2-4 bar	4 bar	5 l/min	34 Kg



Art. no. 2735

Art. no. 2735

Electronic oval gears flow meter for AdBlue®, not approved for fiscal transactions, body in plastic with high density glass fibre IXEF, gears in PPS and PTFE, with plastic control gun, inlet swivel in stainless steel 1/2" BSP (M) and plastic rigid outlet, ø 16 mm, with automatic anti-drip nozzle in stainless steel.

Art. no.	Max working pressure	Max flow rate	Accuracy	Connection threads	Weight	Dimensions (LxWxH) (mm)
2735	25 bar	30 l/min	+/- 0,5%	BSP 1/2"	1,5 Kg	95x95x460



Art. no. 2166

Art. no. 2166

Plastic dispensing nozzle for AdBlue® with rigid outlet ø 16 mm, connection threads 1/2" BSP (F).

Art. no.	Max working pressure	Flow range	Connection threads	Weight	Dimensions (LxWxH) (mm)
2166	25 bar	1-30 l/min	BSP 1/2"	0,4 Kg	203x320x34

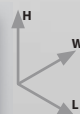


Art. no. 2689

Art. no. 2689

Electronic oval gears flow meter, body in stainless steel AISI 303, suitable for in-line applications. LCD – display with 3 different totals.

Art. no.	Max working pressure	Max flow rate	Accuracy	Connection threads	Weight	Dimensions (LxWxH) (mm)
2689	150 bar	30 l/min	+/-0,5%	BSP 1/2" (F)	1,5 Kg	165x160x80

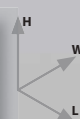


Art. no. 2822

Art. no. 2822

Electronic turbine flow meter for AdBlue®, body in reinforced polyamide, suitable for in-line applications, with 5 – digits partial meter (resettable to zero) and 6 – digits totalizer (non resettable). The meter includes also a flow rate indicator. The display can be rotated in 4 different positions.

Art. no.	Max working pressure	Max flow rate	Accuracy	Connection threads	Weight	Dimensions (LxWxH) (mm)
2822	20 bar	100 l/min	+/-1%	1" BSP (M)	0,4 Kg	100x54x74



Art. no. **6709**

Plastic dispensing nozzle for AdBlue®, internal components in stainless steel, with Viton® seals, wetted parts and rigid dispensing outlet (ø 18,8 mm) in stainless steel, plastic connection hose tail ø 19 mm and lockable trigger.



Art. no. **6709**

Art. no.	Max working pressure	Flow range	Connections	Weight	Dimensions (LxWxH) (mm)
6709	5 bar	90 l/min	Hose tail ø 19 mm	0,27 Kg	400x155x56



Art. no. **6729**

Automatic dispensing nozzle for AdBlue®, body with rubber protection, with Viton® seals, wetted parts and rigid dispensing outlet (ø 19 mm) in stainless steel, swivel hose tail 3/4".



Art. no. **6729**

Art. no.	Max working pressure	Flow range	Connections	Weight	Dimensions (LxWxH) (mm)
6729	8 bar	1-35 l/min	Hose tail 3/4" BSP	2,5 Kg	400x155x56



Art. no. **2253**

Plastic suction tube, ø 40 mm, length 1100 mm, with bung adapter 2" BSP for fixation on drums or tanks and 90° - elbow adapter ø 25 mm for hose connection. Suitable for 1000 l – IBC – tanks.



Art. no. **2897**

Art. no. **2253**

Art. no. **2897**

EPDM delivery hose, ø 3/4" (sold by the meter).



Art. no. **2256**

Suction kit for AdBlue® drums and tanks, composed of plastic suction tube (in HDPE) with plug head BCS 56x4 and foot valve, and SEC/CDS - suction coupling with 90° - elbow hose tail ø 20 mm for hose connection.



Art. no. **2256**



Art. no. **1045**

Art. no. **1071**

Pneumatic piston pump with wetted parts in stainless steel, suitable for the dispensing of windshield washer fluid.

Short version (art. no. 1045) also suitable for wall mounting, version with two-parts plastic suction tube and suction foot valve with strainer (art. no. 1071) suitable for the use with 208 l – or 60 l – drums.

Art. no.	1045	1071
Compressed air supply	Pressure min 2 bar, max 8 bar	
Compression ratio	1:1	
Outlet pressure	8 bar	
Delivery	35 l/min	
Connection compressed air	1/4" BSP (F)	
Connection fluid outlet	3/4" BSP (F)	
Max. air consumption with 8 bar pressure	210 l/min	
Length suction tube	260 mm	1000 mm / 1300 mm
Gaskets	EPDM	
Weight	5 kg	5,2 kg

Art. no. **1071**

Art. no. **1045**

Art. no. **2167**

Art. no. **2167**

Plastic dispensing nozzle for windshield washer fluid with rigid outlet ø 16 mm, connection threads 1/2" BSP (F).

Art. no. **2183**

Dispensing nozzle for windshield washer fluid, body in anodized aluminium, impact resistant, with trigger guard, cartridge filter, gaskets in Viton® and stainless steel, connections 1/2" BSP (F), with 1/2" BSP (M) inlet swivel in stainless steel and rigid plastic outlet, ø 16 mm.

Art. no. **2183**

Art. no. **2735**

Electronic oval gears flow meter for windshield washer fluid, body in plastic with high density glass fibre IXEF, gears in PPS and PTFE, with plastic control gun, inlet swivel in stainless steel 1/2" BSP (M) and plastic rigid outlet, ø 16 mm, with automatic anti-drip nozzle in stainless steel.

Art. no. **2735**

Art. no.	Max working pressure	Max flow rate	Accuracy	Connection threads	Weight	Dimensions (LxWxH) (mm)
2735	25 bar	30 l/min	+/- 0,5%	BSP 1/2"	1,5 Kg	95x95x460



Art. no. 1313

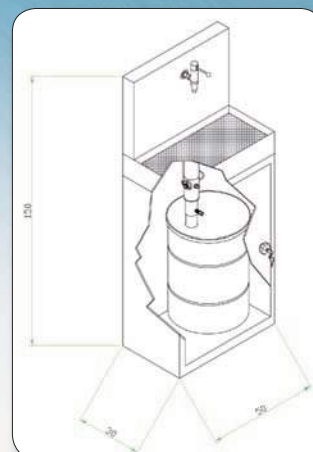
Windshield washer fluid dispensing unit, composed of:

- Self-supporting cabinet in painted steel, provided for the storage of 1 x 60 l – drum inside, with lockable door;
- Pneumatic 1:1 - piston pump with wetted parts in stainless steel AISI 304 (art. no. 1045) with plastic suction tube for 60 l – drums and bung adapter for the fixation of the pump on the drum;
- Pressure regulator for compressed air;
- Dispensing bar with 1 spring operated spigot in stainless steel with splash guard filter, max. pressure 8 bar, and drain valve for drip tray.

Optional:

Graduated, transparent measure, in polyethylene, stackable and unbreakable.

- Art. no. 3425: capacity 0,25 l, scale graduation 5 ml;
- Art. no. 3426: capacity 0,5 l, scale graduation 10 ml;
- Art. no. 3427: capacity 1 l, scale graduation 10 ml;
- Art. no. 3428: capacity 2 l, scale graduation 20 ml;
- Art. no. 3429: capacity 3 l, scale graduation 50 ml;
- Art. no. 3430: capacity 5 l, scale graduation 100 ml.



Art. no. 1313

Art. no. 1312

Windshield washer fluid dispensing kit, composed of:

- Pneumatic 1:1 - piston pump with wetted parts in stainless steel AISI 304 (art. no. 1071) with two-parts plastic suction tube, suction foot valve with strainer and bung adapter for the fixation of the pump on the drum;
- Pressure regulator for compressed air;
- Windshield washer fluid dispensing bar, wall-mounted, with 1 spring operated spigot in stainless steel with splash guard filter, max. pressure 8 bar, and drain valve for drip tray.

Optional:

Various models and sizes of measures in polyethylene are available as accessory.

Art. no. 1312

Art. no. 6752

Windshield washer fluid dispensing kit, composed of a pneumatic 1:1 - piston pump with wetted parts in stainless steel AISI 304 (art. no. 1071), two-parts plastic suction tube suitable for the use with 208 l – drums, suction foot valve with strainer, bung adapter for the fixation of the pump on the drum, pressure regulator with manometer and condensation water separator, 3 m – rubber supply hose 1/2" and electronic oval gears flow meter with plastic control gun, inlet swivel in stainless steel and plastic rigid outlet with automatic anti-drip nozzle in stainless steel.

Art. no. 6752

Art. no.	Compressed air supply	Max outlet pressure	Delivery	Weight
6752	Pressure min 2 bar, max 8 bar	8 bar	35 l/min	16 Kg

Pneumatic pumps, standard series, with suction shaft in stainless steel AISI 304 and EPDM gaskets for the supply of fluids with particular chemical characteristics. It is recommended to check the compatibility of the fluid with the materials of the wetted pump components before use.



Art. no. 1045



Art. no. 1071



Art. no. 1072



Art. no. 1049



Art. no. 1050

Compressed air supply	1045	1049	1071	1072	1050
Compression ratio	Compressed air Min 2 Max 8 bar				
Max outlet pressure	1:1	3:1	1:1	1:1	3:1
Delivery	8 bar	24 bar	8 bar	8 bar	24 bar
Connection compressed air	35 l/min	15 l/min	35 l/min	35 l/min	15 l/min
Connection lubricant outlet	1/4" BSP (F)				
Connection lubricant outlet	3/4" BSP (F)	1/2" BSP (M)	3/4" BSP (F)	3/4" BSP (F)	1/2" BSP (M)
Max air consumption with 8 bar pressure	210 l/min				
Length suction tube	260 mm	260 mm	1000 mm/ 1300 mm	1000 mm	1000 mm
Gaskets	EPDM				
Weight	5 Kg	4 Kg	5,2 Kg	7 Kg	4,2 Kg



Art. no. 7180

Art. no. 7150

OPTIONAL

- It is recommended to use rubber hoses with a diameter of min. 3/4".
- For a continuous use of the pump it is recommended to install a compressed air treatment unit, composed of pressure regulator with manometer and air filter (art. no. 7180) or pressure regulator with manometer, air filter and lubricator (art. nos. 7150) at the compressed air inlet of the pump.
- Any installed valves, curves, filters, ball valves or flow meters will reduce the delivery of the pump.

Heavy duty pneumatic pumps, particularly designed for the supply of fluids under demanding conditions and where a high delivery is required. With suction shaft in stainless steel AISI 304 and PTFE seals, suitable for the supply of fluids with particular chemical characteristics. It is recommended to check the compatibility of the fluid with the materials of the wetted pump components before use.

Flanged version



Art. no. 1079

Flanged version



Art. no. 1081
Art. no. 1082
Art. no. 1083

Divorced version



Art. no. 1085

Art. no.	1079	1081	1082	1083	1085
Compressed air supply	Compressed air Min 1 Max 8 bar				
Compression ratio	4:1	8:1	12:1	16:1	8:1
Outlet pressure	32 bar	64 bar	96 bar	128 bar	64 bar
Delivery	35 l/min	30 l/min	27 l/min	15 l/min	30 l/min
Connection compressed air	3/8" BSP (F)	1/2" BSP (F)	1/2" BSP (F)	1/2" BSP (F)	1/2" BSP (F)
Connection lubricant outlet	3/4" BSP (F)	3/4" BSP (F)	3/4" BSP (F)	3/4" BSP (F)	3/4" BSP (F)
Max air consumption with 8 bar pressure	280 l/min	2050 l/min	1920 l/min	1800 l/min	2050 l/min
Length suction tube	260 mm	355 mm	355 mm	355 mm	655 mm
Diameter pneumatic piston	80 mm	100 mm	125 mm	160 mm	100 mm
Gaskets	PTFE	PTFE	PTFE	PTFE	PTFE
Weight	12 kg	15 kg	16 kg	19 kg	16 kg



Art. no. 2214

Art. no. 2214

Wall bracket in galvanized steel, suitable for the installation of heavy duty pneumatic pumps.



Art. no. **2203**

Wall bracket in galvanized steel, suitable for the installation of pneumatic pumps art. nos. 1045 and 1049.

Dimensions: 170 x 140 x 235 mm.

Distances between fixation holes: 140 x 200 mm.



Art. no. **1104**

Suction tube in stainless steel, \varnothing 40 mm, length 950 mm, connection 1" BSP (M), with foot valve. Suitable for the use in combination with wall-mounted pneumatic stainless steel pumps, standard series, with 208 l - drums.

Art. no. **1104/07**

Suction tube in stainless steel, \varnothing 40 mm, length 650 mm, connection 1" BSP (M), with foot valve. Suitable for the use in combination with wall-mounted pneumatic stainless steel pumps, standard series, with 60 l - drums.

Art. no. **1104/12**

Suction tube in stainless steel, \varnothing 40 mm, length 1200 mm, connection 1" BSP (M), with foot valve. Suitable for the use in combination with wall-mounted pneumatic stainless steel pumps, standard series, with tanks.

Art. no. **1104/15**

Suction tube in stainless steel, \varnothing 40 mm, length 1500 mm, connection 1" BSP (M), with foot valve. Suitable for the use in combination with wall-mounted pneumatic stainless steel pumps, standard series, with tanks.

Art. no. **1106**

Suction tube in plastic material, \varnothing 28 mm, supplied in two parts with length 650 mm and 950 mm, connection 1" BSP (M), with foot valve. Suitable for the use in combination with wall-mounted pneumatic stainless steel pumps, standard series, with drums or tanks.



Art. no. **2898XX**
Art. no. **2899XX**

Low pressure hoses in synthetic rubber, GPH type, with double female stainless steel connections (swivel nuts), suitable for the use with AdBlue®/DEF/AUS32, water (at low pressure and high temperature), chemical fluids, acids, glycol, compressed air (at low pressure). Internal structure in conductive black rubber, coating in black rubber, highly resistant to abrasion, heat, ozone and atmospheric influences. Reinforcement with highly resistant synthetic cord. In accordance with norm BS 2050:1978 (= Specification for electric resistance of conducting and antistatic products made from flexible polymeric material).

Art. no.	Nominal diameter	Internal diameter	External diameter	Working pressure	Burst pressure	Min bending radius	Working temperature	Weight
2898XX	1/2"	13 mm	21 mm	20 bar	60 bar	100 mm	min -40°C max +120°C	0,26 kg/m
2899XX	3/4"	19 mm	30 mm	20 bar	60 bar	112 mm	min -40°C max +120°C	0,57 kg/m

XX stands for the required hose length in meters (f. ex. 28715 = 15 m).



Art. no. **1107** Art. no. **1109** Art. no. **1110**

Art. no. **1111** Art. no. **1112** Art. no. **1108** Art. no. **1113** Art. no. **1114**

Art. no. **1107**

Glnlet swivel, in stainless steel AISI 304, connection threads 1/2" BSP (M).

Art. no. **1108**

VNon-return valve in stainless steel AISI 304, suitable for in-line installations, connection threads 1/2" BSP (F).

Art. no. **1109**

Inlet swivel, in stainless steel AISI 304, connection threads 3/4" BSP (M) - 1/2" BSP (M).

Art. no. **1110**

Inlet swivel, in stainless steel AISI 304, connection threads 3/4" BSP (M) - hose tail \varnothing 20 mm.

Art. no. **1111**

Hose tail in stainless steel AISI 316, \varnothing 20 mm, connection thread 3/4" BSP (M).

Art. no. **1112**

Hose tail in stainless steel AISI 316, \varnothing 20 mm, connection thread 1/2" BSP (M).

Art. no. **1113**

Quick coupling in stainless steel AISI 316, connection thread 1/2" BSP (F).

Art. no. **1114**

Quick coupling in stainless steel AISI 316, connection thread 1/2" BSP (M).

Manual pumps with suction tube in stainless steel AISI 304, suitable for the transfer of fluids with particular chemical characteristics. It is recommended to check the compatibility of the fluid with the materials of the wetted pump components before use.



Art. no. **5480 RINOX 80**

Lever action, single acting drum pump in stainless steel, delivery 8 l/min, with curved rigid outlet, bung adapter for the fixation on drum and seals in Viton®.

Art. no. **5495 RINOX 95**

Lever action, single acting drum pump in stainless steel, delivery 8 l/min, with curved rigid outlet, bung adapter for the fixation on drum and seals in PTFE.



Art. no. **5496**

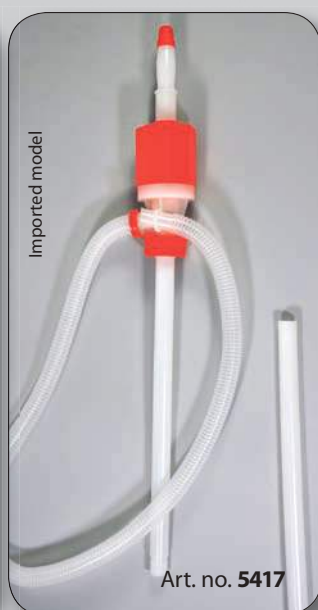
Art. no. **5496**

Lever action, single acting drum pump in stainless steel, art. no. 5495, delivery 8 l/min, with 4 m – delivery hose and rigid outlet in stainless steel, bung adapter for the fixation on drum and gaskets in PTFE.

Art. no.	Delivery/ min	Delivery/ stroke	Length suction tube	Weight	Dimensions (LxWxH) (mm)
5480	8 l	0,13 l	1000 mm	2 Kg	410x80x1350
5495	8 l	0,13 l	1000 mm	2 Kg	410x80x1350
5496	8 l	0,13 l	1000 mm	2 Kg	410x80x1350



Art. no. **5416**



Art. no. **5417**

Art. no. **5416**

Lift action pump for chemicals, body and suction tube in white nylon, gaskets in PTFE, piston in stainless steel, suction tube length 1000 mm for the use in 60 l – or 208 l - drums, including bung adapter 2" BSP and rigid outlet spout. Suitable for the use with various chemicals solvents, detergents, antifreeze, water-based fluids, windshield washer fluid and other.

Art. no. **5417**

Siphon pump, in polypropylene, gaskets in Viton®, with two-parts suction tube, length 1000 mm for the use in 60 l – or 208 l - drums, including bung adapter 2" BSP and 1 m - plastic flexible outlet hose. Suitable for the use with various chemicals solvents, detergents, antifreeze, water-based fluids, windshield washer fluid and other.

Art. no.	5416	5417
Delivery/stroke	0,2 l	0,2 l
Connection fluid outlet	3/4" BSP (M)	Hose tail ø 20 mm
Length suction tube	1000 mm	
Dimensions (LxWxH) (mm)	100x90x850	100x90x850
Suitable for drums of	60/208 l	60/208 l
Weight	1,2 kg	1,2 kg

Electric and pneumatic selfpriming pumps, with pump body in stainless steel and PTFE – or Viton® seals, for the supply of fluids with particular chemical characteristics. It is recommended to check the compatibility of the fluid with the materials of the wetted pump components before use.



Art. no. 1058

Art. no. 1058

Pneumatic, selfpriming rotary gear pump for the transfer of various fluids and chemical fluids. Pump body in stainless steel AISI 304, gears in bronze (on demand also in nylon 12 – glass fiber), gaskets in Viton® and pump shaft in stainless steel. Ideal for spraying applications or for keeping a circulation of a fluid in a closed circuit, f. ex. in parts washers.



Art. no.	Compressed air supply	Air consumption	Outlet pressure	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
1058	4 bar	200 l/min	4 bar	10,5 l/min	3/8" BSP (F)	1,5 Kg	165x160x80



Art. no. 1052

Art. no. 1054

Art. no. 1053

Art. no. 1055

Art. no. 1056

Art. no. 1052 - Art. no. 1053 - Art. no. 1054 - Art. no. 1055 - Art. no. 1056

Electric gear pump, selfpriming, 12 VDC, 24 VDC or 230 VAC, particularly suitable for the use of chemical fluids or in applications where the use of wetted parts in stainless steel is required. Resistant to most acid and alkaline solutions. Suitable also for the transfer of battery acid. Includes an in-line filter. Body and shaft in stainless steel AISI 316, gears in PTFE, gaskets in elastomeric fluorine.

Art. no.	Voltage	Current drain	Outlet pressure	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
1052	12 VDC	10 A	1,5 bar	14 l/min	BSP 3/8" (F)	1,5 Kg	165x160x80
1053	12 VDC	6 A	4 bar	12 l/min	BSP 3/8" (F)	1,9 kg	192x170x103
1054	24 VDC	5 A	1,5 bar	14 l/min	BSP 3/8" (F)	1,5 Kg	165x160x80
1055	24 VDC	3,5 A	4 bar	12 l/min	BSP 3/8" (F)	1,9 kg	192x170x103
1056	230 VAC	0,91 A	6 bar	10 l/min	BSP 3/8" (F)	7,5 kg	279x166x192



Art. no. 1064

Art. no. 1065

Art. no. 1066

Art. no. 1064 - Art. no. 1065 - Art. no. 1066

Pneumatic double diaphragm pump, for the transfer of fluids and chemicals. Pump body and seats in stainless steel AISI 316, electropolished with an average abrasiveness of 2,7 microns, diaphragms in Hytrel® + PTFE.

Selfpriming up to 6 m suction lift, working also unlimitedly in dry running condition, approved in accordance with directive ATEX 94/9/EC – zones 1 and 2.

Art. no.	Compressed air supply	Consumption compressed air	Max outlet pressure	Max flow rate	Connections compressed air inlet	Weight	Dimensions (LxWxH) (mm)
1064	2-7 bar	200 l/min	7 bar	50 l/min	1/4" BSP (F)	6 Kg	225x156x230
1065	2-7 bar	250 l/min	7 bar	100 l/min	3/8" BSP (F)	9 Kg	250x175x250
1066	2-7 bar	350 l/min	7 bar	160 l/min	1/2" BSP (F)	20 Kg	360x220x365



Electric, selfpriming pumps, with pump body in stainless steel AISI 304, for the supply of fluids with particular chemical characteristics. It is recommended to check the compatibility of the fluid with the materials of the wetted pump components before use.



Art. no. **6160**

Art. no. **6160**

Electric, selfpriming vane pump for the transfer of fluids and aggressive liquids at low pressure; guarantees a constant flow and a low noise level.
Pump body in **stainless steel AISI 304**, rotor in NBR, on demand also available in EPDM or polyurethane.
Connection threads 3/4" (F) BSP.
Protection category IP 55.
Cable L. 1,5 m with plug included.

Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Delivery	Weight	Dimensions (LxWxH) (mm)
6160	230 VAC - 50 Hz	5,3 A	0,75 Kw	4 bar	25 l/min	F 3/4" BSP	9 Kg	240x290x180

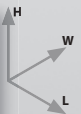


Art. no. **6132**

Art. no. **6132**

Electric, selfpriming gear pump for the transfer of fluids and aggressive liquids; guarantees a constant flow and a low noise level.
Pump body in **stainless steel AISI 304**, gears in Kevlar®.
Connection threads 3/8" (F) BSP.
Protection category IP 55.
Cable L. 1,5 m with plug included.

Art. no.	Voltage	Current drain	Rpm	Power	Outlet pressure	Delivery	Weight	Dimensions (LxWxH) (mm)
6132	230 VAC - 50 Hz	5,3 A	1360	0,55 Kw	15 bar	11 l/min	7,5 Kg	150x300x190



Art. no. **6446**

Art. no. **6446**

Electric, centrifugal pump for the supply of aggressive fluids. Pump body and rotor in **stainless steel AISI 304**.

Art. no.	Voltage	Current drain	Power	Outlet pressure	Delivery	Connection threads	Weight	Dimensions (LxWxH) (mm)
6446	230 VAC - 50 Hz	5 A	0,75 Kw	4 bar	160 l/min	1 1/4" BSP (F)	11 kg	296x206x186

Sprayers with container in painted steel for the spraying of detergents and low viscosity lubricating oils. The units can be used autonomously after a pressurization of the container with compressed air at 3 – 7 bar pressure. The delivery depends on the used nozzle. All units are equipped with a security valve calibrated at max. 7 bar. It is recommended to pressurize the container again when 4/5 of the total capacity have been dispensed.



Art. no. 3316

Art. no. 3316

Portable pressure sprayer in painted steel, with container of 16 l capacity, equipped with level gauge, antislash funnel, 7,5 m – spiral hose, spray gun and lance with nozzle.



Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
3316	7 bar	16 l	1/4" BSP (M)	8,5 Kg	400x310x700



Art. no. 3325

Art. no. 3325

Mobile pressure sprayer in painted steel, with container of 24 l capacity and two wheels, equipped with level gauge, antislash funnel, 7,5 m – spiral hose, spray gun and lance with nozzle.



Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
3325	7 bar	24 l	1/4" BSP (M)	11 Kg	370x340x820



Art. no. 3350

Art. no. 3350

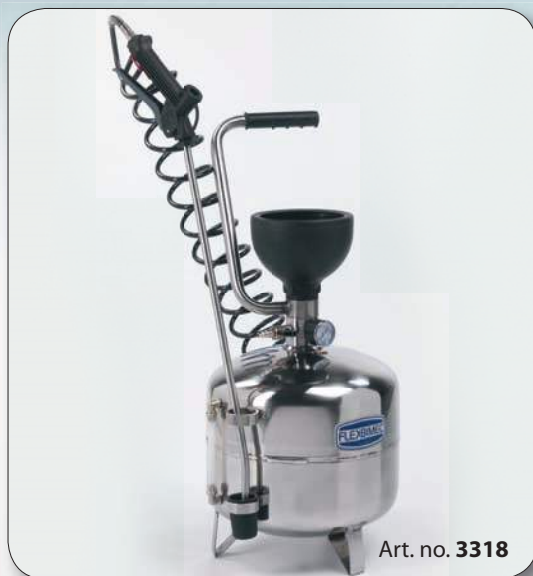
Mobile pressure sprayer in painted steel, with container of 40 l capacity and two wheels, equipped with level gauge, antislash funnel, 7,5 m – spiral hose, spray gun and lance with nozzle.



Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
3350	5 bar	40 l	1/4" BSP (M)	15 Kg	400x430x1020



Sprayers with container in stainless steel for the spraying of detergents. The units can be used autonomously after a pressurization of the container with compressed air at 3 – 7 bar pressure. The delivery depends on the used nozzle. All units are equipped with a security valve calibrated at max. 7 bar. It is recommended to pressurize the container again when 4/5 of the total capacity have been dispensed.



Art. no. **3318**

Portable pressure sprayer in stainless steel AISI 304, with container of 16 l capacity, equipped with level gauge, antislash funnel, 7,5 m – spiral hose, spray gun and lance with nozzle.

Art. no. **3318/316**

Portable pressure sprayer in stainless steel AISI 316, with container of 16 l capacity, equipped with level gauge, antislash funnel, 7,5 m – spiral hose, spray gun and lance with nozzle.

Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
3318	7 bar	16 l	1/4" BSP (M)	11 Kg	350x340x810
3318/316	7 bar	16 l	1/4" BSP (M)	11 Kg	350x340x810



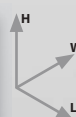
Art. no. **3324**

Mobile pressure sprayer in stainless steel AISI 304, with container of 24 l capacity and two wheels, equipped with level gauge, antislash funnel, 7,5 m – spiral hose, spray gun and lance with nozzle.

Art. no. **3324/316**

Mobile pressure sprayer in stainless steel AISI 316, with container of 24 l capacity and two wheels, equipped with level gauge, antislash funnel, 7,5 m – spiral hose, spray gun and lance with nozzle.

Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
3324	7 bar	24 l	1/4" BSP (M)	11 kg	370x340x820
3324/316	7 bar	24 l	1/4" BSP (M)	11 kg	370x340x820



Art. no. **3340**

Mobile pressure sprayer in stainless steel AISI 304, with container of 40 l capacity and two wheels, equipped with level gauge, antislash funnel, 7,5 m – spiral hose, spray gun and lance with nozzle.

Art. no. **3340/316**

Mobile pressure sprayer in stainless steel AISI 316, with container of 40 l capacity and two wheels, equipped with level gauge, antislash funnel, 7,5 m – spiral hose, spray gun and lance with nozzle.

Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
3340	5 bar	40 l	1/4" BSP (M)	15 Kg	400x430x1020
3340/316	5 bar	40 l	1/4" BSP (M)	15 kg	400x430x1020



Art. no. **3323**

Portable pressure sprayer and foamer in stainless steel AISI 304, with container of 24 l capacity, equipped with level gauge, antislash funnel, 5 m – polyurethane hose, diameter 8 x 12 mm, spray gun and lance with nozzle.

Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
3323	7 bar	24 l	1/4" BSP (M)	11 Kg	400x310x700



Art. no. **3345**

Portable pressure sprayer and foamer in stainless steel AISI 304, with container of 40 l capacity, equipped with level gauge, antislash funnel, 5 m – polyurethane hose, diameter 8 x 12 mm, spray gun and lance with nozzle.

On demand also available in stainless steel AISI 316.

Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
3345	5 bar	40 l	1/4" BSP (M)	16 Kg	400x430x1020



Art. no. **3352**

Mobile pressure sprayer in stainless steel AISI 304, with container of 24 l capacity and two wheels, equipped with level gauge, 7,5 m – spiral hose, spray gun, lance with nozzle and with detachable wide cover that enables the user to check and to clean easily the internal surface of the container.

Art. no. **3354**

Same as art. no. 3352, but with 40 l – container.



Art. no.	Max inlet pressure	Capacity container	Connection threads	Weight	Dimensions (LxWxH) (mm)
3352	7 bar	24 l	1/4" BSP (M)	12 kg	450x450x900
3354	5 bar	40 l	1/4" BSP (M)	16 kg	450x450x1050



Art. no. 3320

Mobile pressure sprayer, composed of two wheels trolley with transportation base for plastic cans, pneumatic 1:1 – stainless steel piston pump, suction hose, 10 m – polyurethane hose, diameter 8 x 12 mm, rack for hose storage during transportation, spray gun and lance with nozzle.



Art. no.	Compressed - air supply	Compression ratio	Outlet pressure max	Connection threads	Weight	Dimensions (LxWxH) (mm)
3320	2 - 8 bar	1:1	8 bar	1/4" BSP (M)	19 kg	430x440x900



Art. no. 3320

Art. no. 3385

FOAMER SPRAYER HYDRA

Foamer and sprayer unit HYDRA, wall-mounting version, designed for the mixture of water with detergents and for the generation of foam at low pressure.

These systems are an alternative to the classical pressure sprayers and offer the following advantages:

- Suction of the detergent directly from the can with the pure fluid guarantees a high autonomy in work;
- The included switchboard allows an accurate adjustment of the mixing proportion between detergent and water.

The unit is composed of a pneumatic 3:1 – stainless steel piston pump, spraying gun, spray lance with nozzle, 10 m – polyurethane hose, diameter 8 x 12 mm, with connections in stainless steel, cabinet in stainless steel AISI 304 and wall-mounting bracket.

Art. no.	Compressed - air supply	Outlet pressure	Weight	Dimensions (LxWxH) (mm)
3385	2-5 bar	6-15 bar	19,5 Kg	400x160x600



Art. no. 3385

Art. no. 3374

Foaming unit in stainless steel AISI 316, including 14 spraying/rinsing/foaming nozzles in different diameters and colours, for the adjustment of the mixing proportion between detergent and water and 2 m – PVC – suction hose for the suction of the used detergent from the can.

Connected to the water pipe system through a medium/high pressure pump (not included), this unit allows the generation of foam and subsequent rinsing by adjusting the position of the provided control lever.



Art. no.	Working pressure	Max inlet pressure	Max temperature water	Weight	Dimensions (LxWxH) (mm)
3374	3 - 250 bar	350 bar	80 °C	2,5 kg	100x65x80



Art. no. 3374



Art. no. 3326 T

Art. no. 3326

Art. no. 3329



Art. no. 7553

Art. no. 7550



Art. no. 6871

Art. no. 6872

Art. no. 6873

Art. no. 6875

Art. no. 6874

Art. no. 6876

Art. no. 6877



Art. no. 7704

Art. no. **3326 – 3326M – 3326L** - Spray gun with lance, suitable for the use with pressure sprayers, with tube in stainless steel and plastic, fan-shaped nozzle.

Art. no. **3326T** - Spray gun with lance, suitable for the use with pressure sprayers, with telescopic PVC tube and brass nozzle with adjustable cone.

Art. no. **3329** - Spray gun with twin lance, suitable for the dispensing of two different fluids, with tube and internal components in stainless steel, plastic, fan-shaped nozzle and cone in stainless steel.

Art. no.	Max working pressure	Max delivery	Max working temperature	Connection threads	Lance length	Weight
3326	15 bar	30 l/min	50°C	1/2" BSP (F)	600 mm	0,31 kg
3326M	15 bar	30 l/min	50°C	1/2" BSP (F)	750 mm	0,35 kg
3326L	15 bar	30 l/min	50°C	1/2" BSP (F)	900 mm	0,39 kg
3326T	7 bar	30 l/min	50°C	1/2" BSP (F)	900+900 mm	0,57 kg
3329	10 bar	30 l/min	50°C	1/8" BSP (F)	630 mm	0,35 kg

Art. no. **7550**

Rilsan® spiral hose, diameter 8 x 6 mm, length 7,5 m, connection threads 1/4" BSP (M - M).

Art. no. **7553**

Rilsan® twin spiral hose, diameter 8 x 5 mm, length 10 m, connection threads 1/8" BSP (M - M). Suitable for the connection to spray gun with twin lance (art. no. 3329).

Art. no. **6871**

Plastic fan-shaped nozzle, suitable for the use with pressure sprayers, ø 1,1 mm, with 110° flat-fan pattern, including strainer in stainless steel and plastic impact protection.

Art. no. **6872**

Stainless steel foam nozzle, delivery 16 l/min., connection 1/2" BSP (M), max. pressure 25 bar.

Art. no. **6873**

Stainless steel foam nozzle, delivery 10 l/min., connection 1/2" BSP (M), max. pressure 25 bar.

Art. no. **6874**

Plastic (PPS and GF) foam nozzle, delivery 17 l/min. (at 3 bar), with 55° flat-fan pattern.

Art. no. **6875**

Plastic fan-shaped nozzle, suitable for the use with pressure sprayers, ø 1,1 mm, with 110° flat-fan pattern, max. pressure 15 bar.

Art. no. **6876**

Stainless steel fan-shaped nozzle, suitable for the use with pressure sprayers, ø 1,1 mm, with 110° flat-fan pattern, max. pressure 25 bar.

Art. no. **6877**

Super foam head nozzle (PP and GF), with flat-fan pattern, max. pressure 15 bar, connection 1/2" BSP (M).

Art. no. **7704**

Highly concentrated alkaline detergent, suitable for the generation of foam, in 20 l – plastic can.

Effective for cleaning car bodies or the canvas of trucks from tenacious dirt. Ideal also for washing fueling vehicles and the floors of garages, workshops or factory buildings. The fluid is biphasic as a concentrate, but it is homogenous in dilutions with water.

APPEARANCE: biphasic fluid;

COLOUR OF SUPERIOR PHASE: green;

SPECIFIC WEIGHT SUPERIOR PHASE: 1,010 +/- 0,01 g/ml;

SPECIFIC WEIGHT IN INFERIOR PHASE: 1,275 +/- 0,01 g/ml;

SOLUBILITY IN WATER: completely in the dilutions of use;

PH – VALUE OF 1% SOL.: >13;

BIODEGRADABILITY: more than 90%.

Art. no. **6805**



Art. no. **6802**



Art. no. **6801**



Art. no. **6801 - 6802 - 6805**

Heavy duty water gun, suitable for the use with cold and hot water at low pressure, with trigger guard, and adjustable spraying nozzle. Body in brass and coating in blue rubber.

Art. no.	Max working pressure	Max delivery	Max working temperature	Connection threads	Weight
6801	25 bar	60 l/min	90°C	1/2" BSP (F)	0,94 kg
6802	12 bar	50 l/min	80°C	1/2" BSP (F)	0,44 kg
6805	25 bar	60 l/min	90°C	1/2" BSP (F)	2,02 kg

Art. no. **2166**



Art. no. **7406**



Art. no. **6878**



Art. no. **2109**



Art. no. **2101**



Art. no. **2101**

Low pressure water gun, body in plastic (PP and GF), seals in Viton®, valve and spring in stainless steel AISI 316, connection threads 1/2" BSP (F).

Art. no. **2166**

Dispensing gun for windshield washer fluid, body in plastic (PP and GF), seals in Viton®, valve and spring in stainless steel AISI 316, connection threads 1/2" BSP (F).

Art. no. **2109**

Dispensing gun for water at low pressure (max 30 bar), body in brass with coating in oil-resistant rubber, connection threads 3/8" BSP (F).

Art. no. **6878**

Water gun art. no. 2101, with rigid outlet and foaming nozzle in plastic (PP and GF), suitable for low pressure applications (3 – 6 bar), connection threads 1/2" BSP (F).

Art. no. **7406**

Low pressure wash gun (max 20 bar), with regulating screw, body in nickel-plated aluminium, connection threads 1/2" BSP (F).

Art. no. **6883**



Art. no. **6882**



Art. no. **6885**



Art. no. **6884**



Art. no. **6882 - 6883 - 6884 - 6885**

Valved quick couplings and quick connectors for the use with water at high pressure.

Art. no.	Max working pressure	Max delivery	Max temperature	Connection threads	Weight
6882	280 bar	30 l/min	90°C	3/8" BSP (M)	0,05 kg
6883	280 bar	30 l/min	90°C	3/8" BSP (F)	0,11 kg
6884	280 bar	30 l/min	90°C	1/2" BSP (M)	0,05 kg
6885	280 bar	30 l/min	90°C	1/2" BSP (F)	0,11 kg



Art. no. 6812 – 6813 – 6814

Wash gun with lance for hot water high pressure cleaners, with extension and stainless steel nozzle.

Art. no. 6815

Wash gun with lance for hot water high pressure cleaners, with twin tube extension and stainless steel nozzle.

Art. no.	Max working pressure	Max delivery	Max temperature	Nozzle	Connection threads	Length extension	Weight
6812	160 bar	30 l/min	100°C	0,45 – 25°	3/8" BSP (M)	900 mm	0,92 kg
6813	280 bar	40 l/min	160°C	0,45 – 25°	3/8" BSP (M)	900 mm	1,50 kg
6814	310 bar	40 l/min	160°C	0,45 – 25°	3/8" BSP (M)	900 mm	1,26 kg
6815	310 bar	40 l/min	160°C	0,45 – 25°	3/8" BSP (M)	1050 mm	1,70 kg



Kit 6820

Foaming kit, composed of high pressure cleaner wash gun, high pressure wash lance with extension (art. no. 6822) and foam lance with 1 l - plastic container (art. no. 6823).

Art. no. 6821

Wash gun for hot water high pressure cleaners with quick coupling.

Art. no. 6822

High pressure wash lance in stainless steel with extension, length 700 mm, and stainless steel nozzle (0,45 – 25°).

Art. no. 6823

Foam lance with 1 l - plastic container for detergent and foam delivery regulating screw.

Art. no.	Max working pressure	Max delivery	Max temperature	Connection threads	Weight
6821	310 bar	40 l/min	160°C	M 22 x 1,5	0,90 kg
6822	250 bar	40 l/min	160°C	Quick coupling	0,60 kg
6823	160 bar	20 l/min	60°C	Quick coupling	0,57 kg



Art. no. 6800

Wash gun for high pressure cleaners, with nozzle for straight water jet.

Art. no. 6830

Art. no. 6840

Wash gun with lance for high pressure cleaners, water jet adjustable through knob, with brass nozzle.

Art. no.	Max working pressure	Max delivery	Max temperature	Nozzle	Connection threads	Weight
6830	200 bar	30 l/min	100°C	1,5 – 25°	1/4" BSP (M)	1,60 kg
6800	200 bar	30 l/min	100°C	1,5 – 25°	1/4" BSP (M)	1,50 kg
6840	200 bar	30 l/min	100°C	1,5 – 25°	1/4" BSP (M)	1,50 kg

Art. no. **7740**

Wall-mounted chamois leather wringer, with wall bracket.

Art. no.	Diameter roller	Weight	Dimensions (LxWxH) (mm)
7740	40 mm	4,5 Kg	300x420x160



Art. no. **7741**

Wall-mounted chamois leather wringer, with wall bracket and tub with discharge valve in painted steel.

Art. no.	Diameter roller	Weight	Dimensions (LxWxH) (mm)
7741	40 mm	13,5 Kg	300x420x350



Art. no. **7742**

Chamois leather wringer with self-supporting column for the fixation on the floor and tub with discharge valve in painted steel.

Art. no.	Diameter roller	Weight	Dimensions (LxWxH) (mm)
7742	40 mm	22 Kg	300x420x1020



Art. no. **7743**

Chamois leather wringer with self-supporting column for the fixation on the floor and tub with discharge valve in stainless steel.

Art. no.	Diameter roller	Weight	Dimensions (LxWxH) (mm)
7743	40 mm	22 Kg	300x420x1020





Art. no. 5903

Art. no. 5903

Mobile parts cleaner in painted steel, with closed circuit of detergent fluid, consisting of storage container with 65 l capacity with two wheels and two castors, cleaning basin with closable and removable cover, fluid-permeable cleaning brush which permits a continuous flow of the detergent and an accurate cleaning of parts, blow gun with rigid outlet. The system enables a continuous fluid circulation by pressurizing the container with compressed air at max. 0,5 bar.

Note: please use only suitable detergents and degreasing agents for the parts cleaning.



Art. no. 7705

Detergent for parts cleaners, in 20 l – plastic can.

Art. no.	Compressed air supply	Max pressure	Capacity cleaning basin	Capacity container	Weight	Dimensions (LxWxH) (mm)
5903	0,5 bar	0,5 bar	60 l	65 l	42 Kg	560x700x1000



Art. no. 5908

Art. no. 5908

Mobile parts cleaner in painted steel, with closed circuit of detergent fluid, consisting of cleaning basin with closable and removable cover, fluid-permeable cleaning brush which permits a continuous flow of the detergent and an accurate cleaning of parts, blow gun with rigid outlet and shelf for the placing of plastic cans or drums, with 4 castors. The system enables a continuous fluid circulation by the use of a pneumatic rotary pump in stainless steel (art. no. 1058).

Note: please use only suitable detergents and degreasing agents for the parts cleaning.

Art. no.	Compressed air supply	Max pressure	Capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
5908	1-4 bar	4 bar	60 l	36 Kg	560x700x810



Art. no. 5953

Art. no. 5953

Mobile parts cleaner, with closed circuit of detergent fluid, consisting of cleaning basin in stainless steel AISI 304 with closable and removable cover, fluid-permeable cleaning brush which permits a continuous flow of the detergent and an accurate cleaning of parts, blow gun with rigid outlet and shelf for the placing of plastic cans or drums, with 4 castors. The system enables a continuous fluid circulation by the use of a pneumatic rotary pump in stainless steel (art. no. 1058).

Note: please use only suitable detergents and degreasing agents for the parts cleaning.

Art. no.	Compressed air supply	Max pressure	Capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
5953	4 bar	4 bar	60 l	36 Kg	560x700x810



Art. no. 5904

Stationary parts cleaner in painted steel, with closed circuit of detergent fluid, consisting of cleaning basin with 4 legs and closable and removable cover, hose with shower head, fluid-permeable cleaning brush which permits a continuous flow of the detergent and an accurate cleaning of parts. The system enables a continuous fluid circulation at 0,5 bar pressure by the use of an electric immersion pump.

Note: please use only suitable detergents and degreasing agents for the parts cleaning.

	Voltage	Power	Current drain	Rpm	Protection category
Pump	230 Vac	60 W	0,40 A	2800	IP 54

Art. no.	Max pressure	Total capacity cleaning basin	Usable capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
5904	0,5 bar	138 l	62 l	53 Kg	500x700x1120



Art. no. 5904

Art. no. 5905

Stationary parts cleaner in painted steel, with closed circuit of detergent fluid, consisting of cleaning basin with 4 legs and closable and removable cover, hose with shower head, fluid-permeable cleaning brush which permits a continuous flow of the detergent and an accurate cleaning of parts, wooden footboard. The system enables a continuous fluid circulation at 0,5 bar pressure by the use of an electric immersion pump. The switch-on and switch-off of the pump is made through a pedal-operated switch.

Note: please use only suitable detergents and degreasing agents for the parts cleaning.

	Voltage	Power	Current drain	Rpm	Protection category
Pump	230 Vac	60 W	0,40 A	2800	IP 54

Art. no.	Max pressure	Total capacity cleaning basin	Usable capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
5905	0,5 bar	200 l	90 l	67 Kg	500x1000x1120



Art. no. 5905

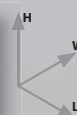
Art. no. 5906

Stationary parts cleaner in painted steel, with closed circuit of detergent fluid, consisting of cleaning basin with 4 legs and closable and removable cover, hose with shower head, fluid-permeable cleaning brush which permits a continuous flow of the detergent and an accurate cleaning of parts. The system enables a continuous fluid circulation by the use of a pneumatic rotary pump in stainless steel (art. no. 1058).

Note: please use only suitable detergents and degreasing agents for the parts cleaning.



Art. no.	Max pressure	Total capacity cleaning basin	Usable capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
5906	1 - 4 bar	4 bar	200 l	67 Kg	500x1000x1120



Art. no. 5906



Art. no. **5945**

Optional
Art. no. **4699**

Art. no. **5945**

Stationary parts cleaner in painted steel, provided for mounting on 208 l – original detergent drums.

The system enables a continuous fluid circulation by the use of a pneumatic rotary pump in stainless steel (art. no. 1058).

With fluid-permeable cleaning brush which permits a continuous flow of the detergent and an accurate cleaning of parts.

Optional:

Art. no. **4699**

Empty, metal 208 l – drum.

Art. no.	Compressed air supply	Max pressure	Capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
5945	1 – 4 bar	4 bar	50 l	36 kg	560x1000x300



Art. no. **5946**

Optional
Art. no. **4699**

Art. no. **5946**

Stationary parts cleaner in painted steel, provided for mounting on 208 l – original detergent drums.

The system enables a continuous fluid circulation by the use of a pneumatic rotary pump in stainless steel (art. no. 1058).

With closable and removable cover, blow gun with rigid outlet and fluid-permeable cleaning brush which permits a continuous flow of the detergent and an accurate cleaning of parts.

On demand also available with 230 VAC / 50 Hz electric pump!

Optional:

Art. no. **4699**

Empty, metal 208 l – drum.

Art. no.	Compressed air supply	Max pressure	Capacity cleaning basin	Weight	Dimensions (LxWxH) (mm)
5946	1 – 4 bar	4 bar	50 l	36 kg	560x700x300



Art. no. **7705**

Art. no. **7705**

Detergent for parts cleaners, in 20 l – plastic can.

To be used undilutedly, for a cleaning by degreasing in an immersion bath, by sprinkling in the basin or by brushing with the fluid-permeable cleaning brush. Rinsing not required.

The detergent has good degreasing properties, a medium evaporation rate, it does not damage the treated parts, it assures a drying without residues, has a low odor and irritation degree and a high flash point. Mineral greases, oils and protecting waxes are removed efficiently from painted surfaces, ferrous metals, aluminium and brass alloys, steel, glass, ceramics and plastic materials.

APPEARANCE AND COLOUR: clear, colourless liquid;

PH – VALUE: not applicable (organic solvent);

CONTENT OF PETROLS: <0,1 % weight ppm;

SPECIFIC WEIGHT: 0,800 +/- 0,01 g/ml;

CARBON CONTENT: not applicable;

SOLUBILITY IN WATER: insoluble;

FLASH POINT: >60°C;

BOILING POINT: 185°C / 240°C (distillation range).

Art. no. 3521

Portable, pneumatic tyre inflator with container of 16 l capacity, charging of compressed air manually, consisting of tyre inflating gun with pressure gauge (art. no. 7301) and 5 m – spiral hose.

The unit works autonomously once it has been pressurized with compressed air at max 7 bar pressure.



Art. no. 3521

Weight	Dimensions (LxWxH) (mm)
10 Kg	300x400x810



Art. no. 3524

Mobile, pneumatic tyre inflator with container of 24 l capacity, charging of compressed air manually, consisting of tyre inflating gun with pressure gauge (art. no. 7301) and 5 m – spiral hose.

The unit works autonomously once it has been pressurized with compressed air at max 7 bar pressure.



Art. no. 3524

Weight	Dimensions (LxWxH) (mm)
12,5 Kg	380x330x780



Art. no. 3526

Portable, pneumatic tyre inflator with container of 16 l capacity, charging of compressed air manually or automatically by the use of a MF valve installed on the handle, consisting of tyre inflating gun with pressure gauge (art. no. 7301) and 5 m – spiral hose.

The unit works autonomously once it has been pressurized with compressed air at max 7 bar pressure.



Art. no. 3526

Weight	Dimensions (LxWxH) (mm)
10 Kg	300x400x810



Art. no. 7301

Tyre inflating gun with pressure gauge ø 60 mm, dual pressure scale (0 – 10 bar / 0 – 140 psi), pressure release button, clip-on connector, 300 mm – rubber hose, connection 1/4" BSP (M).

Art. no. 7304

Tyre inflating gun, Michelin type, with pressure gauge ø 80 mm in accordance with directive 86/217/EC, dual pressure scale (0 – 10 bar / 0 – 140 psi), pressure release button, clip-on connector, 1500 mm – rubber hose, connection 1/4" BSP (M).



Art. no. 7301

Art. no. 7304

Art. no. 7305

Tyre inflating gun with precision pressure gauge ø 80 mm, dual pressure scale (0 – 12 bar / 0 – 140 psi), air inlet safety system, clip-on connector, 500 mm – rubber hose, connection quick coupling 1/4".

Art. no. 7308

Tyre inflating gun, with digital pressure gauge, measuring units: bar – psi – kpa – kg/cm², dual pressure scale (0,2 – 12 bar / 0 – 140 psi), resolution +/- 0,02 bar, clip-on connector, 400 mm – rubber hose, connection quick coupling 1/4".
Power supply: lithium batteries 3 V (1,5 V x 2).



Art. no. 7305

Art. no. 7308

Art. no. 7306

Air blow gun, body in nickel-plated aluminium, with bayonet nut connector 1/4" BSP.

Art. no. 7307

Air blow gun with long rigid outlet, body in nickel-plated aluminium, with bayonet nut connector 1/4" BSP.



Art. no. 7306

Art. no. 7307

Art. no. 7330

Air blow gun, series Airset, ergonomic grip, body in technopolymer, nozzle in brass, outlet and internal springs in stainless steel, coating of the trigger in soft thermoplastic rubber to allow an accurate control of the air flow. Connection 1/4" BSP (F).

Art. no. 7331

Same as art. no. 7330, but with silencer to reduce the noise level.



Art. no. 7330

Art. no. 7331



Art. no. **7200**

Art. no. **7200**

Compressed air pressure regulator with manometer, air nipple 1/4" BSP (M) for hose connection and connection adapter 1/4" BSP (M - M) for the installation at the compressed air inlet of the pump.

Regulation range: 0 - 8 bar.



Art. no. **7180**



Art. no. **7180/38**



Art. no. **7180/12**

Art. no. **7180 - 7180/38 - 7180/12**

Combined compressed air pressure regulator with manometer and air filter with automatic bleeding, with lockable regulating screw, air nipple for hose connection and connection adapter for the installation at the compressed air inlet of the pump.

Art. no.	7180	7180/38	7180/12
Connection threads	1/4" BSP (M)	3/8" BSP (M)	1/2" BSP (M)
Filtration degree (microns)	20	20	20
Regulation range	0 - 8 bar	0 - 8 bar	0 - 8 bar
Max air flow (l/min.)	850	1650	2310
Collection capacity condensate (cm ³)	22 cc	55 cc	100 cc
Temperature range (°C)	5 - 50°C	5 - 50°C	5 - 50°C
Dimensions (LxWxH) (mm)	42x42x198	75x63x276	75x63x276



Art. no. **7151**



Art. no. **7151/38**



Art. no. **7151/12**

Art. no. **7151 - 7151/38 - 7151/12**

Air line lubricator, providing a proportional oil mist, enables a precise regulation of the lubricating oil even at low pressure. With adjustment screw and connection adapter for the installation at the compressed air inlet of the pump.

Art. no.	7151	7151/38	7151/12
Connection threads	1/4" BSP (M)	3/8" BSP (M)	1/2" BSP (M)
Max working pressure	8 bar	8 bar	8 bar
Max air flow (l/min.)	850	1650	2310
Capacity lubricator (cm ³)	42 cc	76 cc	132 cc
Temperature range (°C)	5 - 50°C	5 - 50°C	5 - 50°C
Dimensions (LxWxH) (mm)	42x42x157	75x63x232	75x63x232



Art. no. **7150**



Art. no. **7150/38**



Art. no. **7150/12**

Art. no. **7150 - 7150/38 - 7150/12**

Combined compressed air treatment kit, composed of pressure regulator with manometer, air filter with automatic bleeding, air line oil mist lubricator, lockable regulating screw, air nipple for hose connection and connection adapter for the installation at the compressed air inlet of the pump.

See technical data in the description of its components (art. nos. 7180 - 7180/38 - 7180/12 and art. nos. 7151 - 7151/38 - 7151/12).

Flexbimec provides a complete line of compressed air pipework components and accessories for the installation of a professional air pipework, adapted to the individual requirements of the customer. The pipes are made of electrostatic painted, extruded aluminium. They are calibrated and burred, and they are available in wall thicknesses of 1,5 mm and 2 mm for a max. pressure of 15 bar. All fittings are made of nickel-plated brass and are easy to install and to connect.



Calibrated pipes in extruded aluminium, in accordance with UNI 9006/1 and EN AW 6060 T6, suitable for the use with compressed air, water, inert gas or vacuum, with surface treatment in electrostatic painting in blue colour. Expansion coefficient: 0,024 mm/m°C).

Art. no. **9873** Diameter 20 mm, length 4 m.

Art. no. **9874** Diameter 25 mm, length 4 m.

Art. no. **9875** Diameter 32 mm, length 4 m.

On demand, pipes with Ø up to 80 mm.



Series	Description	Ø 20 mm x 1/2" M	Ø 25 mm x 3/4" M	Ø 32 mm x 1" M
9880	Straight male adapter	Art. no. 9880/20	Art. no. 9880/25	Art. no. 9880/32

Series	Description	Ø 20 mm x 1/2" F	Ø 25 mm x 3/4" F	Ø 32 mm x 1" F
9881	Straight female adapter	Art. no. 9881/20	Art. no. 9881/25	Art. no. 9881/32

Series	Description	Ø 20 mm x 20 mm	Ø 25 mm x 25 mm	Ø 32 mm x 32 mm
9882	Intermediate straight connector	Art. no. 9882/20	Art. no. 9882/25	Art. no. 9882/32

Series	Description	Ø 20 mm x 20 mm	Ø 25 mm x 25 mm	Ø 32 mm x 32 mm
9883	Intermediate elbow connector 90°	Art. no. 9883/20	Art. no. 9883/25	Art. no. 9883/32

Series	Description	Ø 20 mm x 20 mm	Ø 25 mm x 25 mm	Ø 32 mm x 32 mm
9879	Intermediate elbow connector 135°	Art. no. 9879/20	Art. no. 9879/25	Art. no. 9879/32

Series	Description	Ø 20 mm x 1/2" F	Ø 25 mm x 3/4" F	Ø 32 mm x 1" F
9890	Elbow connector 90° for pipe/hose connection	Art. no. 9890/20	Art. no. 9890/25	Art. no. 9890/32



Art. no. 9884



Art. no. 9885



Art. no. 9886



Art. no. 9887

Series	Description	Ø 20 mm x 20 mm	Ø 25 mm x 25 mm	Ø 32 mm x 32 mm
9884	Intermediate tee connector	Art. no. 9884/20	Art. no. 9884/25	Art. no. 9884/32

Series	Description	Ø 20 mm x 1/2" F	Ø 25 mm x 3/4" F	Ø 32 mm x 1" F
9885	Elbow connector 90° with wall bracket	Art. no. 9885/20	Art. no. 9885/25	Art. no. 9885/32

Series	Description	Ø 20 mm x 1/2" F	Ø 25 mm x 1/2" F
9886	2-ways manifold with wall bracket	Art. no. 9886/20	Art. no. 9886/25

Series	Description	1/2" F	3/4" F
9887	4-ways manifold with wall bracket	Art. no. 9887/20	Art. no. 9887/25



Art. no. 9889



Art. no. 9888

Series	Description	Ø 20 mm x 20 mm	Ø 25 mm x 25 mm	Ø 32 mm x 32 mm
9889	Intermediate ball valve	Art. no. 9889/20	Art. no. 9889/25	Art. no. 9889/32

Series	Description	Ø 20 mm x 1/2" M	Ø 25 mm x 3/4" M
9888	Ball valve for pipe/hose connection	Art. no. 9888/20	Art. no. 9888/25

Series	Description	Ø 20 mm	Ø 25 mm	Ø 32 mm
9877	Pipe clamp in steel M8	Art. no. 9877/20	Art. no. 9877/25	Art. no. 9877/32

Series	Description	Ø 20 mm	Ø 25 mm	Ø 32 mm
9878	Pipe clamp in polymer M6	Art. no. 9878/20	Art. no. 9878/25	Art. no. 9878/32

Art. no. **9871**

Metal wall support (height 165 mm, length 225 mm).

Art. no. **9876**

Beam clip with M8 – thread, suitable for the use with pipe clamps art. no. 9877.



Art. no. 9877



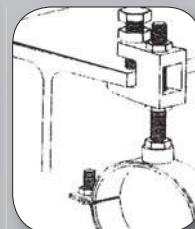
Art. no. 9878



Art. no. 9876



Art. no. 9871





Automatic rewind, spring-driven hose reel, with plastic enclosure (made of nylon and polypropylene) and pivoting wall bracket, suitable for the use with compressed air and water (temperature range: -10°C – +60°C) and for hoses of 8 x 12 mm (or 10 x 14 mm) with a max. length of 15 m (or 10 m).

Inlet connection air: 1/4" BSP.

Max working pressure: 20 bar.

The standard colour of the enclosure is red with yellow cover. Also available in blue with red cover or in dark grey.



Art. no. 9400+3610

Automatic rewind, spring-driven hose reel, series "Easy Roller", with polyurethane hose 8 x 12 mm and 10 m length. Standard connection threads 1/4" BSP.

Art. no. 9400+3615

Automatic rewind, spring-driven hose reel, series "Easy Roller", with polyurethane hose 8 x 12 mm and 15 m length. Standard connection threads 1/4" BSP.

Art. no. 9408

Automatic rewind, spring-driven hose reel, series "Easy Roller", with polyurethane hose 10 x 14 mm and 10 m length. Standard connection threads 3/8" BSP.



Art. no.	Hose length	Hose diameter	Connection threads	Max working pressure	Weight	Dimensions (LxWxH) (mm)
9400+3610	10 m	8 x 12 mm	1/4" BSP (M)	20 bar	8,1 Kg	220x310x380
9400+3615	15 m	8 x 12 mm	1/4" BSP (M)	20 bar	8,2 Kg	220x310x380
9408	10 m	10 x 14 mm	3/8" BSP (M)	20 bar	8,2 Kg	220x310x380

Art. no. 9405

Automatic rewind, spring-driven hose reel, series "Easy Roller", with shaft and swivel in stainless steel AISI 303, pivoting wall bracket and 10 m – rubber hose 1/4" SAE 100 R1T.

Suitable for applications with a pressure up to 100 bar.

Standard colour blue, on demand also available in red.

Art. no.	Hose length	Hose diameter	Connection threads IN - OUT	Max working pressure	Weight	Dimensions (LxWxH) (mm)
9405	10 m	1/4"	1/2" BSP (M) – 1/4" BSP (F)	100 bar	10 kg	220x310x380

Art. no. 9405

Art. no. 9409

Automatic rewind, spring-driven hose reel, series "Easy Roller", with shaft and swivel in stainless steel AISI 303, pivoting wall bracket and 5 m - low pressure synthetic rubber hose 1/2" (ø int. 13 mm x ø ext. 23 mm), suitable for the use with water (-30°C - +110°C).

The hose meets FDA food industry standards and thus is suitable for food industry applications.

Standard colour blue, on demand also available in red.

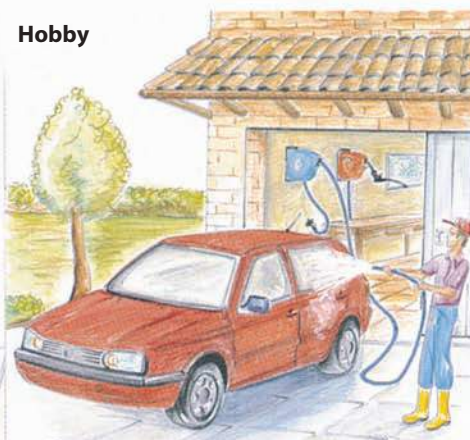
Art. no.	Hose length	Hose diameter	Connection threads IN - OUT	Max working pressure	Weight	Dimensions (LxWxH) (mm)
9409	5 m	1/2"	1/2" BSP (M) – 1/2" BSP (F)	15 bar	9 kg	220x310x380

Art. no. 9409

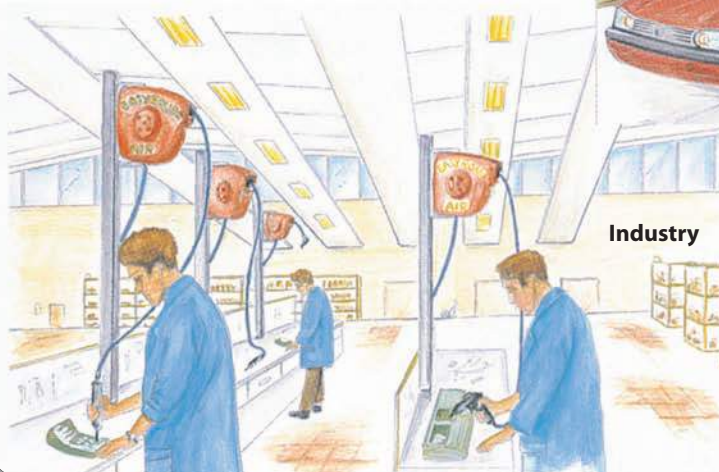
EASY ROLLER
MORE THAN 130.000
REELS MADE

100% Made in Italy

Hobby



Industry



Commerce



Flexbimec manufactures a wide range of hose reels that guarantee a comfortable hose rewinding in all possible application fields and fluids such as:

- Lubricating oils and antifreeze
- Grease
- Compressed air
- Water at low or high pressure
- Fuels
- AdBlue®/DEF/AUS32

The use of hose reels provides more security in the workshop and increases the life of hoses since those are no longer rest upon the floor after use where they could be damaged.

In order to satisfy all application requirements the hose reels are available in two main materials:

- Epoxy powder-coat painted carbon steel
- Stainless steel AISI 304 (on demand also AISI 316)

The hose rewinding can be carried out:

- automatically by the use of a spring,
- manually by the use of a hand crank,
- by the use of a hydraulic motor,
- by the use of an electric motor.

The hose reel range can also be divided into 2 basic categories with regard on the hose diameter to be installed:

- Hose reels for hoses up to 1/2"
- Hose reels for hoses up to 1' 1/2"

In order to be able to offer a suitable solution to any requirement existing in the market, various hose reel series have been developed.



The Flexbimec hose reel range consists of a big variety of versions that have been developed in order to meet the requirements of installation at the place of use. They can be classified according to their constructional characteristics, their form and their dimensions into the following series:



Standard series

The most common, most economic and extremely approved version, suitable for hose diameters up to 1/2".



Enclosed series

Two metal enclosures provide an optimal protection of the hose and improve the esthetic effect of the installation.



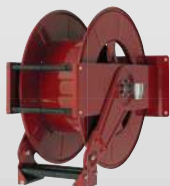
Adjustable arms series EVO

In this version the outlet direction of the hose can be adjusted into various positions. Thus it permits a mounting of the hose reel also on the ceiling. From the inlet swivel joint the fluid flows through an interchangeable hose connection adapter assembly on which the hose is mounted.



Heavy duty series

The models of this series are suitable for applications under high mechanical demands.



Heavy duty series OX

The extreme robustness of its construction combined with the high rewinding strength of its twin spring characterize this innovative hose reel version which is particularly suitable for the use with high pressure hoses in 3/4" and 1" (SAE 100 R1T and SAE 100 R2T) for oils, grease and diesel.



THIN REEL series

Its innovative constructional design characterize the models of this series which is particularly suitable in applications with limited space in width thanks to its overall width of max. 150 mm, f. ex. for the installation inside of compact cabinets.



LS series

Drop shaped arms are typical for this series, which includes spring-driven as well as manual hose reel models.



Special hose reels

In this category can be found hose reels with special technical and/or constructive characteristics, such as those with electro-mechanical or hydraulic rewinding systems and hose reels with a hose guide system enabling a better rewinding.



All hose reels can be supplied without or with the requested hoses already mounted.

For an easier selection of the required hose reel model, please see the chart on catalogue page 210. Catalogue page 211 shall help you in choosing the suitable hose type and length.



The hose reel models which are marked with the ATEX symbol are available with the corresponding ATEX certificate, in accordance with directive ATEX 94/9/EC, art. 8.1. b) ii) – group II – category 2.

PAINTED STEEL HOSE REELS

SERIE	Page	Ø Int.	Max installable hose length											
			8 m	10 m	15 m	18 m	20 m	25 m	30 m	35 m	40 m	60 m	70 m	100 m
STANDARD	212	1/4"	9016	9016	9016	9021	9021							
		3/8"	9016	9016	9016	9021	9021	9022						
		1/2"	9016	9016	9016	9021	9021							
ENCLOSED	213	1/4"	9013	9013	9013	9023	9023							
		3/8"	9013	9013	9013	9023	9023	9025						
		1/2"	9013	9013	9013	9023	9023							
		3/4"	9024											
ADJUSTABLE ARMS	215-216-217	1/4"	9074	9074	9074	9074	9074	9074	9074	9083	9086	9086	9088	9088
		3/8"	9074	9074	9074	9074	9074	9074	9074	9083	9086	9086	9088	9088
		1/2"	9074	9074	9074	9074	9074	9074	9074	9083	9086	9086	9088	9088
	221	3/4"	9085	9085	9085	9085	9085	9085	9085	9085	9085			
	220	1"	9099	9099	9099	9099	9099	9099	9099					
ADJUSTABLE ARMS EVO	214	1/4"	9090	9090	9090	9091	9091	9092						
		3/8"	9090	9090	9090	9091	9091	9092						
		1/2"	9090	9090	9090	9092	9092	9093						
	218-219	3/4"	9095	9095	9096	9097	9084	9098	9070					
		1"	9095	9096	9097	9098	9070							
	222	1'1/4"	9031	9038	9038	9038	9038							
		1'1/2"	9039	9039	9039									
HEAVY DUTY	223	1/4"	9315	9315	9315	9026	9026	9027						
		3/8"	9315	9315	9315	9026	9026	9027						
		1/2"	9315	9315	9315	9026	9026	9027						
	224-225	3/4"	9030	9030	9034	9034	9036	9036	9036					
		1"	9030	9034	9034	9036	9036	9036						
HEAVY DUTY OX	226	3/4"	9065	9065	9065	9065	9065	9066						
		1"	9065	9065	9065	9066	9066							
«THINREEL»	227	1/2"	9060	9060	9060	9060	9060	9060						
HYDRAULIC REWINDING	233	1/2"	9072	9072	9072	9072	9072	9072	9072	9072	9072	9072	9072	9072
		3/4"	9075	9075	9075	9075	9075	9075	9075	9075	9075			
		1"	9075	9075	9075	9075	9075	9075	9075	9075	9075			
ELECTRO-MECHANICAL REWINDING	232	1/2"	9076	9076	9076	9076	9076	9076	9076	9076	9076	9076	9076	9076
		3/4"	9079	9079	9079	9079	9079	9079	9079	9079	9079			
		1"	9079	9079	9079	9079	9079	9079	9079	9079	9079			
MANUAL DOUBLE ARM SUPPORT	229	1/4"	9261	9261	9261	9261	9261	9261	9261	9261	9261	9262	9262	9264
		3/8"	9261	9261	9261	9261	9261	9261	9261	9261	9262	9263	9264	
		1/2"	9261	9261	9261	9261	9261	9261	9262	9262	9263			
LS MANUAL	228	1/4"	9251	9251	9251	9251	9251	9251	9252	9252	9252	9253	9253	9256
		3/8"	9251	9251	9251	9251	9251	9252	9252	9252	9253	9256	9256	
		1/2"	9251	9251	9251	9252	9252	9252	9253	9253	9256			
		3/4"	9254	9254	9254	9255	9255	9255						
		1"	9254	9254	9255	9255	9255							

STAINLESS STEEL HOSE REELS AISI 304

SERIE	Page	Ø Int.	Max installable hose length											
			8 m	10 m	15 m	18 m	20 m	25 m	30 m	35 m	40 m	60 m	70 m	100 m
STANDARD	212	1/4"	9517	9517	9517	9522	9522							
		3/8"	9517	9517	9517	9522	9522	9521						
		1/2"	9517	9517	9517	9522	9522							
ENCLOSED	213	1/4"	9547	9547	9547	9548	9548							
		3/8"	9547	9547	9547	9548	9548	9549						
	1/2"	9547	9547	9547	9548	9548								
	3/4"	9546												
ADJUSTABLE ARMS	215-216-217	1/4"	9574	9574	9574	9574	9574	9574	9574	9530	9586	9586	9589	9589
		3/8"	9574	9574	9574	9574	9574	9574	9574	9530	9586	9586	9589	9589
		1/2"	9574	9574	9574	9574	9574	9574	9574	9530	9586	9586	9589	9589
	221	3/4"	9585	9585	9585	9585	9585	9585	9585	9585	9585			
220	1"	9599	9599	9599	9599	9599	9599	9599						
ADJUSTABLE ARMS EVO	214	1/4"	9590	9590	9590	9591	9591	9592						
		3/8"	9590	9590	9590	9591	9591	9592						
		1/2"	9590	9590	9590	9592	9592	9593						
	218-219	3/4"	9595	9595	9596	9584	9534	9598	9570					
		1"	9595	9596	9584	9598	9570							
	222	1'1/4"	9531	9538	9538	9538	9538							
	1'1/2"	9539	9539	9539										
HEAVY DUTY	223	1/4"	9523	9523	9523	9524	9524	9532						
		3/8"	9523	9523	9523	9524	9524	9532						
		1/2"	9523	9523	9523	9524	9524	9532						
	224-225	3/4"	9529	9529	9525	9525	9536	9536	9536	9536				
		1"	9529	9525	9525	9536	9536	9536						
HYDRAULIC REWINDING	233	1/2"	9572	9572	9572	9572	9572	9572	9572	9572	9572	9572	9572	9572
		3/4"	9575	9575	9575	9575	9575	9575	9575	9575	9575			
		1"	9575	9575	9575	9575	9575	9575	9575	9575	9575			
ELECTRO-MECHANICAL REWINDING	232	1/2"	9576	9576	9576	9576	9576	9576	9576	9576	9576	9576	9576	9576
		3/4"	9579	9579	9579	9579	9579	9579	9579	9579	9579			
		1"	9579	9579	9579	9579	9579	9579	9579	9579	9579			
MANUAL SINGLE ARM SUPPORT	230	1/4"	9551	9551	9551	9551	9551	9550	9550	9550	9550	9550	9550	
		3/8"	9551	9551	9551	9551	9551	9550	9550	9550	9550	9550	9550	
		1/2"	9551	9551	9551	9550	9550	9550	9550	9550	9550			
	231	3/4"	9558	9558	9558	9558	9558	9558	9558	9558				
		1"	9558	9558	9558	9558	9558							
MANUAL DOUBLE ARM SUPPORT	229-230	1/4"	9553	9553	9553	9553	9553	9561	9561	9561	9561	9552	9562	9564
		3/8"	9553	9553	9553	9553	9553	9561	9561	9561	9562	9552	9564	
		1/2"	9553	9553	9553	9561	9561	9561	9562	9552	9563			
	231	3/4"	9559	9559	9559	9559	9559	9560						
1"	9559	9559	9560	9560	9560									

In the following chart can be found the article numbers and descriptions of different hose types for the mounting on the reel as supply hoses in the most common lengths:

FLUID TYPE	Internal hose Ø	Max working pressure	HOSE LENGTH									
			8 m	10 m	15 m	20 m	25 m	30 m	35 m	40 m	50 m	60 m
GREASE	1/4"	400 bar	4508	4510	4515	4520						
	3/8"	330 bar		4710	4715	4720	4725	4730	4735	4740		
	1/2"	275 bar		4810	4815	4820	4825	4830	4835	4840		
	3/4"	215 bar		48810	48815	48820	48825	48830	48835	48840		
	1"	165 bar		488510	488515	488520	488525	488530	488535	488540		
OIL	1/2"	160 bar	28708	28710	28715	28720	28725	28730	28735	28740	28750	28760
	3/4"	105 bar	28908	28910	28915	28920	28925	28930	28935	28940		
	1"	88 bar	289508	289510	289515	289520	289525	289530				
COMPRESSED AIR	3/8"	20 bar		3810	3815	3820	3825	3830	3835	3840	3850	3860
	1/2"	20 bar		27710	27715	27720	27725	27730	27735	27740	27750	27760
WATER	3/8"	20 bar		3810	3815	3820	3825	3830	3835	3840	3850	3860
	1/2"	15 bar		18710	18715	18720	18725	18730	18735	18740	18750	18760
	3/4"	15 bar		18910	18915	18920	18925	18930	18935	18940		
DIESEL	3/8"	330 bar		4710	4715	4720	4725	4730	4735	4740		
	3/8"	400 bar		4710AM	4715AM	4720AM	4725AM	4730AM	4735AM	4740AM		
	3/4"	17 bar	28808	28810	28815	28820	28825	28830	28835	28840		
	1"	17 bar	289608	289610	289615	289620	289625	289630				
	1 1/4"	10 bar	289708	289710	289715	289720	289725	289730				
	1 1/2"	10 bar	2899708	2899710	2899715	2899720	2899725	2899730				
ADBLUE®/DEF/AUS32	1/2"	10 bar	289808	289810	289815	289820	289825	289830	289835	289840	289850	289860
	3/4"	10 bar	289908	289910	289915	289890	289925	289930	289935	289940	289950	289960
PETROL	1"	16 bar	289408	289410	289415	289420	289425	289430				

In the following chart can be found the article numbers and descriptions of different hose types used as connection hoses and mounted at the hose reel inlet swivel joint in the most common lengths:

FLUID TYPE	Internal hose Ø	Max working pressure	HOSE LENGTH				
			0,5 m	1 m	1,5 m	2 m	3 m
GREASE	1/4"	400 bar	45005	4501	45015	4502	4503
	3/8"	330 bar	47005	47001	47015	4702	4703
	1/2"	275 bar	48005	4801	48015	4802	4803
	3/4"	215 bar	488005	48810	48815	48820	48825
	1"	165 bar	4885005	488510	488515	488520	488525
OIL	1/2"	160 bar	287005	28701	287015	28702	28703
	3/4"	105 bar	289005	28901	289015	28902	28903
	1"	88 bar	2895005	289501	2895015	289502	289503
COMPRESSED AIR	3/8"	20 bar	38005	3801	38015	3802	3803
	1/2"	20 bar	270005	27701	277015	27702	27703
WATER	3/8"	20 bar	38005	3801	38015	3802	3803
	1/2"	15 bar	187005	18701	187015	18702	18703
	3/4"	15 bar	189005	18901	189015	18902	18903
	3/8"	330 bar	47005	4704	47015	4702	4703
	3/8"	400 bar	47005AM	4704AM	47015AM	4702AM	4703AM
	3/4"	16 bar	288005	28801	288015	28802	28803
DIESEL	1"	16 bar	2896005	289601	2896015	289602	289603
	1 1/4"	10 bar	289708	289710	289715	289720	289725
	1 1/2"	10 bar	2899708	2899710	2899715	2899720	2899725
ADBLUE®/DEF/AUS32	1/2"	10 bar	2898005	289801	2898105	289802	289803
	3/4"	10 bar	2899005	289901	2899015	289902	289903
PETROL	1"	16 bar	2894005	289401	2894015	289402	289403

Example for reading the charts

FLUID TYPE	Internal hose Ø	Max working pressure	HOSE LENG		
			0,5 m	1 m	1,5 m
GREASE	1/4"	400 bar	45005	4501	45015
	3/8"	330 bar	47005	47001	47015
	1/2"	275 bar	48005	4801	48015
OIL	1/2"	160 bar	287005	28701	287015

FLUID

DIAMETER

MAX. WORKING PRESSURE

ART. NO. HOSE

TOTAL LENGTH
INCL. CONNECTION
FITTING



The hoses are supplied with swaged female connection threads (connecting nuts).

Standard series **Ø max 1/2" - up to 20 m length**

Ø max 3/8" - up to 25 m length

Art. no. **9016-9021-9022**

Automatic rewind, spring-driven hose reel, standard series, in painted steel, suitable for hoses of max 20 m length (Ø hose 1/2") or max 25 m length (Ø hose 3/8"). The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water.

Please see catalogue pages 242 and 243 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **/HB** to the article number (f. ex. 9016/HB)!



Art. no. **9767**
Art. no. **9768**

Pivoting wall
mounting bracket

Art. no. **9016-9021-9022**

Art. no. **9517-9521-9522**

Automatic rewind, spring-driven hose reel, standard series, in stainless steel AISI 304, suitable for hoses of max 20 m length (Ø hose 1/2") or max 25 m length (Ø hose 3/8").

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water at low and high pressure.

Please see catalogue pages 242 and 243 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **/HB** to the article number (f. ex. 9517/HB)!

(EX:) On demand these stainless steel hose reels can be supplied in accordance with directive ATEX 94/9/EC – group II – category 2.



Art. no. **9760**
Art. no. **9765**

Pivoting wall
mounting bracket

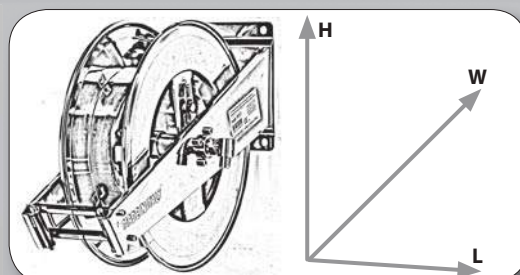
Art. no. **9517-9521-9522**



Art. no.	Max working pressure	Connection threads IN - OUT	Internal Ø swivel joint	Max Ø hose	Max length hose	Weight	Spool width	Suitable pivoting wall bracket	Included swivel joint	Dimensions (LxWxH) (mm)
9016	600 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	15 m	13 Kg	120 mm	9767	9951	250x570x450
9021	600 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	20 m	18 Kg	150 mm	9768	9951	260x570x450
9022	600 bar	1/2" (M) – 1/2" (F)	10 mm	3/8"	25 m	19 Kg	150 mm	9768	9951	260x570x450
9517	200 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	15 m	13 Kg	120 mm	9760	9963	250x570x450
9521	200 bar	1/2" (M) – 1/2" (F)	10 mm	3/8"	25 m	19 Kg	150 mm	9765	9963	260x570x450
9522	200 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	20 m	18 Kg	150 mm	9765	9963	260x570x450

/HB Hydraulic spring brake kit

Safety device for the controlled rewind of hoses, installable on all spring-driven hose reel models, eliminating the dangers caused by an uncontrolled rewind or a sudden release of the hose when unwinded during its use.



Enclosed series **Ø max 1/2" - up to 20 m length**

Ø max 3/8" - up to 25 m length

Art. no. **9013 - 9023 - 9024 - 9025**



Art. no. **9013-9023-9024-9025**

Automatic rewind, spring-driven hose reel, **enclosed series**, in painted steel, suitable for hoses of max 20 m length (Ø hose 1/2") or max 25 m length (Ø hose 3/8").

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air, water and diesel.

Please see catalogue pages 242 and 243 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **/HB** to the article number (f. ex. 9013/HB)!



Art. no. **9778**
Pivoting wall mounting bracket



Art. no. **9546-9547-9548-9549**

Art. no. **9546-9547-9548-9549**

Automatic rewind, spring-driven hose reel, **enclosed series**, in stainless steel AISI 304, suitable for hoses of max 20 m length (Ø hose 1/2") or max 25 m length (Ø hose 3/8").

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water at low and high pressure.

Please see catalogue pages 242 and 243 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **/HB** to the article number (f. ex. 9546/HB)!

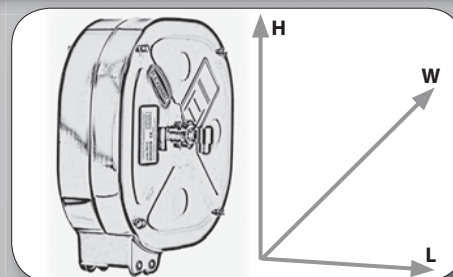


Art. no. **9754**
Pivoting wall mounting bracket

Art. no.	Max working pressure	Connection threads IN - OUT	Internal Ø swivel joint	Max Ø hose	Max length hose	Weight	Spool width	Suitable pivoting wall bracket	Included swivel joint	Dimensions (LxWxH) (mm)
9013	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	15 m	26 Kg	120 mm	9778	9951	130x550x450
9023	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	20 m	27 Kg	150 mm	9778	9951	160x550x450
9024	20 bar	1/2" (M) - 1/2" (F)	20 mm	3/4"	8 m	26 Kg	150 mm	9778	9969	160x550x450
9025	600 bar	1" (M) - 3/4" (F)	10 mm	3/8"	25 m	29 Kg	150 mm	9778	9951	160x550x450
9546	20 bar	1/2" (M) - 1/2" (F)	20 mm	3/4"	8 m	26 Kg	150 mm	9754	9986	160x550x450
9547	200 bar	1" (M) - 3/4" (F)	10 mm	1/2"	15 m	26 Kg	120 mm	9754	9963	130x550x450
9548	200 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	20 m	27 Kg	150 mm	9754	9963	160x550x450
9549	200 bar	1/2" (M) - 1/2" (F)	10 mm	3/8"	25 m	29 Kg	150 mm	9754	9963	160x550x450

/HB Hydraulic spring brake kit

Safety device for the controlled rewind of hoses, installable on all spring-driven hose reel models, eliminating the dangers caused by an uncontrolled rewind or a sudden release of the hose when unwinded during its use.



Adjustable arms series EVO Ø max 1/2" – up to 25 m length

Art. no. **9090 – 9091 – 9092 – 9093**

Automatic rewind, spring-driven hose reel, **adjustable arms series EVO**, in painted steel, suitable for hoses of max 25 m length and max diameter of 1/2". The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water. From the inlet swivel joint the fluid flows through an interchangeable hose connection adapter assembly on which the hose is mounted (standard version galvanized steel, available on demand also in stainless steel AISI 304 or AISI 316). Please see catalogue pages 242 and 243 for the selection of the required hoses. On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"HB"** to the article number (f. ex. 9090/HB)!



Art. no. **9090-9091-9092-9093**



Art. no. **9767**
Art. no. **9768**
Art. no. **9758**

Art. no. **9590 – 9591 – 9592 – 9593**

Automatic rewind, spring-driven hose reel, **adjustable arms series EVO**, in stainless steel AISI 304, suitable for hoses of max 25 m length and max diameter of 1/2". The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water. From the inlet swivel joint the fluid flows through an interchangeable hose connection adapter assembly on which the hose is mounted (standard version stainless steel AISI 304, available on demand also in stainless steel AISI 316). Please see catalogue pages 242 and 243 for the selection of the required hoses. On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"HB"** to the article number (f. ex. 9590/HB)!



Art. no. **9590-9591-9592-9593**



Art. no. **9760**
Art. no. **9765**
Art. no. **9775**

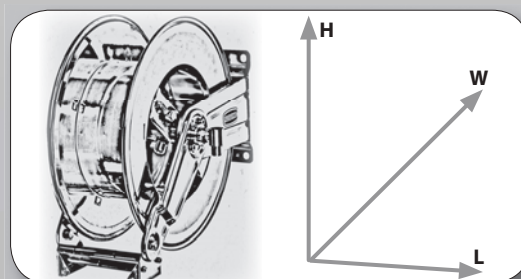


On demand these stainless steel hose reels can be supplied in accordance with directive ATEX 94/9/EC – group II – category 2.

Art. no.	Max working pressure	Connection threads IN - OUT	Internal ø swivel joint	Max ø hose	Max length hose 3/8" – 1/2"	Weight	Spool width	Suitable pivoting wall bracket	Included swivel joint	Dimensions (LxWxH) (mm)
9090	600 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	15 m	12 kg	120 mm	9767	9951	240x550x450
9091	600 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	20 m - 15 m	13 kg	120 mm	9767	9951	240x550x450
9092	600 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	25 m – 20 m	16 kg	150 mm	9768	9951	270x550x450
9093	600 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	25 m	19 kg	200 mm	9758	9951	310x550x450
9590	200 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	15 m	12 kg	120 mm	9760	9963	240x550x450
9591	200 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	20 m - 15 m	13 kg	120 mm	9760	9963	240x550x450
9592	200 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	25 m – 20 m	16 kg	150 mm	9765	9963	270x550x450
9593	200 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	25 m	19 kg	200 mm	9775	9963	310x550x450

/HB Hydraulic spring brake kit

Safety device for the controlled rewind of hoses, installable on all spring-driven hose reel models, eliminating the dangers caused by an uncontrolled rewind or a sudden release of the hose when unwinded during its use.



Adjustable arms series

Ø max 1/2" - up to 35 m length

Art. no. 9074 - 9083

Automatic rewind, spring-driven hose reel, **adjustable arms series**, in painted steel, suitable for hoses of max 35 m length and max diameter of 1/2".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water. From the inlet swivel joint the fluid flows through an interchangeable hose connection adapter assembly on which the hose is mounted (standard version galvanized steel, available on demand also in stainless steel AISI 304 or AISI 316). Please see catalogue pages 242 and 243 for the selection of the required hoses. On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **/HB** to the article number (f. ex. 9074/HB)!



Art. no. 9074 - 9083



Art. no. 9777

Pivoting wall mounting bracket for art. no. 9074 and art. no. 9083.



Art. no. 9777

Art. no. 9574 - 9530

Automatic rewind, spring-driven hose reel, **adjustable arms series**, in stainless steel AISI 304, suitable for hoses of max 35 m length and max diameter of 1/2".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water. From the inlet swivel joint the fluid flows through an interchangeable hose connection adapter assembly on which the hose is mounted (standard version stainless steel AISI 304, available on demand also in stainless steel AISI 316).

Please see catalogue pages 242 and 243 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **/HB** to the article number (f. ex. 9574/HB)!



Art. no. 9574 - 9530



Art. no. 9770

Pivoting wall mounting bracket for art. no. 9574 and art. no. 9530.



Art. no. 9770

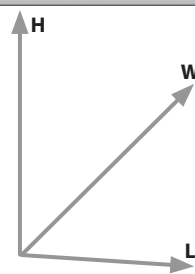
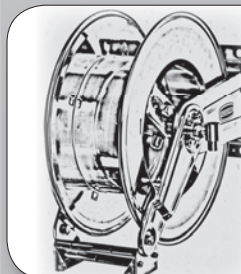


On demand these stainless steel hose reels can be supplied in accordance with directive ATEX 94/9/EC – group II – category 2.

Art. no.	Max working pressure	Connection threads IN - OUT	Internal ø swivel joint	Max ø hose	Max length hose	Weight	Spool width	Suitable pivoting wall bracket	Included swivel joint	Dimensions (LxWxH) (mm)
9074	600 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	30 m	25 kg	150 mm	9777	9951	260x590x600
9083	600 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	35 m	26 kg	150 mm	9777	9951	260x590x600
9574	200 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	30 m	25 kg	150 mm	9770	9963	260x590x600
9530	200 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	35 m	26 kg	150 mm	9770	9963	260x590x600

/HB Hydraulic spring brake kit

Safety device for the controlled rewind of hoses, installable on all spring-driven hose reel models, eliminating the dangers caused by an uncontrolled rewind or a sudden release of the hose when unwinded during its use.



Adjustable arms series Ø max 1/2" – up to 60 m length

Art. no. **9086**

Automatic rewind, spring-driven hose reel, **adjustable arms series** with twin spring, in painted steel, suitable for hoses of max 60 m length and max diameter of 1/2".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water at low and high pressure.

Please see catalogue pages 242 and 243 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **/HB** to the article number (f. ex. 9086/HB)!



Art. no. **9086**

Art. no. **9586**

Automatic rewind, spring-driven hose reel, **adjustable arms series** with twin spring, in stainless steel AISI 304, suitable for hoses of max 60 m length and max diameter of 1/2".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water at low and high pressure.

Please see catalogue pages 242 and 243 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **/HB** to the article number (f. ex. 9586/HB)!



Art. no. **9586**

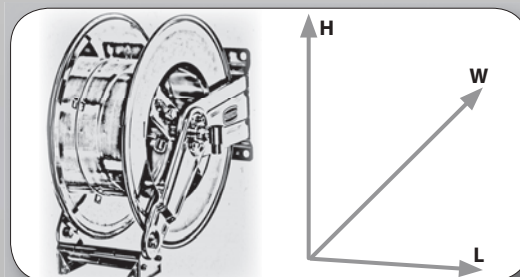


On demand these stainless steel hose reels can be supplied in accordance with directive ATEX 94/9/EC – group II – category 2.

Art. no.	Max working pressure	Connection threads IN - OUT	Internal Ø swivel joint	Max Ø hose	Max length hose	Weight	Spool width	Included swivel joint	Dimensions (LxWxH) (mm)
9086	600 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	60 m	50 Kg	400 mm	9951	590x590x590
9586	200 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	60 m	50 Kg	400 mm	9963	590x590x590

/HB Hydraulic spring brake kit

Safety device for the controlled rewind of hoses, installable on all spring-driven hose reel models, eliminating the dangers caused by an uncontrolled rewind or a sudden release of the hose when unwinded during its use.



Adjustable arms series Ø max 1/2" – up to 100 m length

Art. no. **9088**

Automatic rewind, spring-driven hose reel, **adjustable arms series** with triple spring, in painted steel, suitable for hoses of max 100 m length and max diameter of 1/2".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water at low and high pressure. Please see catalogue pages 242 and 243 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"/HB"** to the article number (f. ex. 9088/HB)!



Art. no. **9088**

Art. no. **9589**

Automatic rewind, spring-driven hose reel, **adjustable arms series** with triple spring, in stainless steel AISI 304, suitable for hoses of max 100 m length and max diameter of 1/2".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water at low and high pressure. Please see catalogue pages 242 and 243 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"/HB"** to the article number (f. ex. 9589/HB)!



Art. no. **9589**

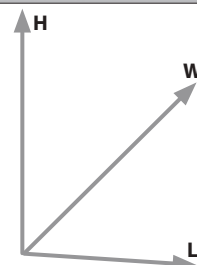
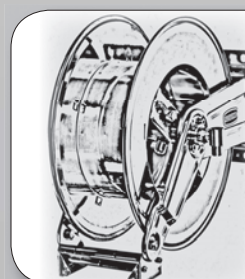


On demand these stainless steel hose reels can be supplied in accordance with directive ATEX 94/9/EC – group II – category 2.

Art. no.	Max working pressure	Connection threads IN - OUT	Internal Ø swivel joint	Max Ø hose	Max length hose	Weight	Spool width	Included swivel joint	Dimensions (LxWxH) (mm)
9088	600 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	100 m	70 Kg	400 mm	9951	590x590x590
9589	200 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	100 m	70 Kg	400 mm	9963	590x590x590

/HB Hydraulic spring brake kit

Safety device for the controlled rewind of hoses, installable on all spring-driven hose reel models, eliminating the dangers caused by an uncontrolled rewind or a sudden release of the hose when unwinded during its use.



Adjustable arms series EVO Ø max 1" – up to 15 m length

Art. no. **9095 - 9096 - 9097**

Automatic rewind, spring-driven hose reel, **adjustable arms series EVO**, in painted steel, suitable for hoses of max 18 m length in 3/4" and max 15 m length in 1".

This series is an upgraded version of the previous adjustable arms series. The wall bracket and the side frame are made in one single piece to increase the stability. A new type of spring is installed for the hose rewind. From the inlet swivel joint the fluid flows through an interchangeable hose connection adapter assembly on which the hose is mounted (standard version galvanized steel, available on demand also in stainless steel AISI 316). The hose reel is supplied without hoses and can be used with hoses for the supply of oils, diesel, compressed air and water. Please see catalogue pages 242 and 243 for the selection of the required hoses. On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"/HB"** to the article number (f. ex. 9095/HB)!



Art. no. **9095-9096-9097**



The wetted parts of the hose reel on demand are also available in stainless steel.



Art. no. **9768**
Art. no. **9773**
Art. no. **9769**

Pivoting wall mounting bracket

Art. no. **9584 - 9595 - 9596**

Automatic rewind, spring-driven hose reel, **adjustable arms series EVO**, in stainless steel AISI 304, suitable for hoses of max 18 m length in 3/4" and max 15 m length in 1". This series is an upgraded version of the previous adjustable arms series. The wall bracket and the side frame are made in one single piece to increase the stability. A new type of spring is installed for the hose rewind. From the inlet swivel joint the fluid flows through an interchangeable hose connection adapter assembly on which the hose is mounted (standard version stainless steel AISI 304, available on demand also in stainless steel AISI 316). The hose reel is supplied without hoses and can be used with hoses for the supply of oils, diesel, compressed air and water. Please see catalogue pages 242 and 243 for the selection of the required hoses. On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"/HB"** to the article number (f. ex. 9584/HB)!



Art. no. **9584-9595-9596**



Interchangeable hose connection adapter assemblies.



On demand these stainless steel hose reels can be supplied in accordance with directive ATEX 94/9/EC – group II – category 2.



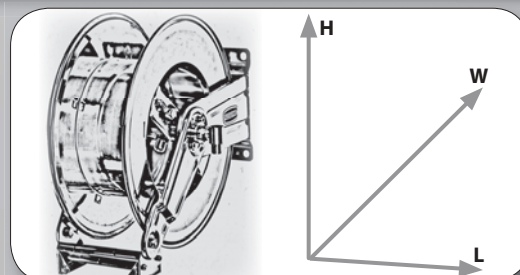
Art. no. **9764**
Art. no. **9765**
Art. no. **9776**

Pivoting wall mounting bracket

Art. no.	Max working pressure	Connection threads IN - OUT	Internal Ø swivel joint	Max Ø hose	Max length hose 3/4" – 1"	Weight	Spool width	Suitable pivoting wall bracket	Included swivel joint	Dimensions (LxWxH) (mm)
9095	100 bar	1" (M) – 1" (F)	20 mm	1"	10 m – 8 m	18 kg	150 mm	9768	9969	270x530x490
9096	100 bar	1" (M) – 1" (F)	20 mm	1"	15 m -12 m	22 kg	200 mm	9773	9969	310x530x490
9097	100 bar	1" (M) – 1" (F)	20 mm	1"	18 m -15 m	24 kg	300 mm	9769	9969	410x530x490
9595	100 bar	1" (M) – 1" (F)	20 mm	1"	10 m – 8 m	18 kg	150 mm	9765	9986	270x530x490
9596	100 bar	1" (M) – 1" (F)	20 mm	1"	15 m -12 m	22 kg	200 mm	9776	9986	310x530x490
9584	100 bar	1" (M) – 1" (F)	20 mm	1"	18 m -15 m	24 kg	300 mm	9764	9986	410x530x490

/HB Hydraulic spring brake kit

Safety device for the controlled rewind of hoses, installable on all spring-driven hose reel models, eliminating the dangers caused by an uncontrolled rewind or a sudden release of the hose when unwinded during its use.



Adjustable arms series EVO Ø max 3/4" – up to 30 m length

Ø max 1" – up to 20 m length



Art. no. 9070-9084-9098

Art. no. 9070 - 9084 - 9098

Automatic rewind, spring-driven hose reel, **adjustable arms series EVO** with twin spring, in painted steel, suitable for hoses of max 30 m length in 3/4" and max 20 m length in 1". The hose reel is supplied without hoses and can be used with hoses for the supply of oils, diesel, compressed air and water. From the inlet swivel joint the fluid flows through an interchangeable hose connection adapter assembly on which the hose is mounted (standard version galvanized steel, available on demand also in stainless steel AISI 304 or AISI 316). Please see catalogue pages 242 and 243 for the selection of the required hoses. On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"HB"** to the article number (f. ex. 9070/HB)!



Art. no. 9777

Pivoting wall mounting bracket for art. no. 9098 - 9084.

Art. no. 9769

Pivoting wall mounting bracket for art. no. 9070.



Art. no. 9777
Art. no. 9769



Art. no. 9534-9570-9598

Art. no. 9534 - 9570 - 9598

Automatic rewind, spring-driven hose reel, **adjustable arms series EVO** with twin spring, in stainless steel AISI 304, suitable for hoses of max 30 m length in 3/4" and max 20 m length in 1".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, diesel, compressed air and water. From the inlet swivel joint the fluid flows through an interchangeable hose connection adapter assembly on which the hose is mounted (standard version stainless steel AISI 304, available on demand also in stainless steel AISI 316). Please see catalogue pages 242 and 243 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"HB"** to the article number (f. ex. 9534/HB)!



Art. no. 9770

Pivoting wall mounting bracket for art. no. 9598 - 9534.

Art. no. 9764

Pivoting wall mounting bracket for art. no. 9570.



Art. no. 9770
Art. no. 9764

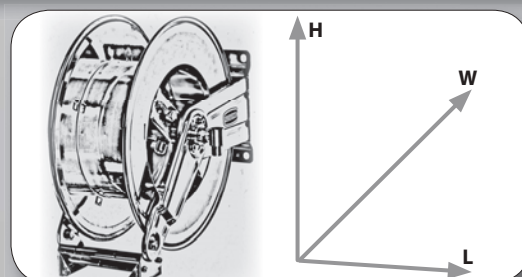


On demand these stainless steel hose reels can be supplied in accordance with directive ATEX 94/9/EC – group II – category 2.

Art. no.	Max working pressure	Connection threads IN - OUT	Internal Ø swivel joint	Max Ø hose	Max length hose 3/4" - 1"	Weight	Spool width	Suitable pivoting wall bracket	Included swivel joint	Dimensions (LxWxH) (mm)
9084	100 bar	1" (M) - 1" (F)	20 mm	1"	20 m - 15 m	27 kg	150 mm	9777	9969	270x590x600
9098	100 bar	1" (M) - 1" (F)	20 mm	1"	25 m - 18 m	30 kg	200 mm	9777	9969	320x590x700
9070	100 bar	1" (M) - 1" (F)	20 mm	1"	30 m - 20 m	32 kg	300 mm	9769	9969	460x590x700
9534	100 bar	1" (M) - 1" (F)	20 mm	1"	20 m - 15 m	27 kg	150 mm	9770	9986	270x590x600
9598	100 bar	1" (M) - 1" (F)	20 mm	1"	25 m - 18 m	30 kg	200 mm	9770	9986	320x590x700
9570	100 bar	1" (M) - 1" (F)	20 mm	1"	30 m - 20 m	32 kg	300 mm	9764	9986	460x590x700

/HB Hydraulic spring brake kit

Safety device for the controlled rewind of hoses, installable on all spring-driven hose reel models, eliminating the dangers caused by an uncontrolled rewind or a sudden release of the hose when unwinded during its use.



Adjustable arms series Ø max 1" - up to 30 m length

Art. no. **9099**

Automatic rewind, spring-driven hose reel, **adjustable arms series** with twin spring, in painted steel, suitable for hoses of max 30 m length in 1".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, diesel, compressed air and water at low pressure.

Please see catalogue pages 242 and 243 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"/HB"** to the article number (f. ex. 9099/HB)!



Art. no. **9099**

Art. no. **9599**

Automatic rewind, spring-driven hose reel, **adjustable arms series** with twin spring, in stainless steel AISI 304, suitable for hoses of max 30 m length in 1".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, diesel, compressed air and water at low pressure.

Please see catalogue pages 242 and 243 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"/HB"** to the article number (f. ex. 9599/HB)!



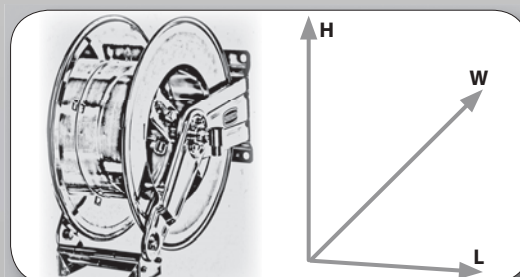
On demand these stainless steel hose reels can be supplied in accordance with directive ATEX 94/9/EC – group II – category 2.

Art. no. **9599**

Art. no.	Max working pressure	Connection threads IN - OUT	Internal ø swivel joint	Max ø hose	Max length hose	Weight	Spool width	Included swivel joint	Dimensions (LxWxH) (mm)
9099	100 bar	1" (M) – 1" (F)	20 mm	1"	30 m	50 Kg	400 mm	9969	590x650x590
9599	100 bar	1" (M) – 1" (F)	20 mm	1"	30 m	50 Kg	400 mm	9986	590x650x590

/HB Hydraulic spring brake kit

Safety device for the controlled rewind of hoses, installable on all spring-driven hose reel models, eliminating the dangers caused by an uncontrolled rewind or a sudden release of the hose when unwinded during its use.



Adjustable arms series Ø max 3/4" - up to 40 m length

Art. no. **9085**

Automatic rewind, spring-driven hose reel, **adjustable arms series** with twin spring, in painted steel, suitable for hoses of max 40 m length in 3/4".

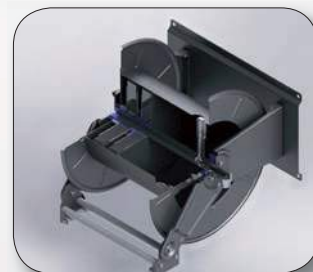
The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water.

Please see catalogue pages 242 and 243 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"/HB"** to the article number (f. ex. 9085/HB)!



Art. no. **9085**



Art. no. **9585**

Automatic rewind, spring-driven hose reel, **adjustable arms series** with twin spring, in stainless steel AISI 304, suitable for hoses of max 40 m length in 3/4".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water.

Please see catalogue pages 242 and 243 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"/HB"** to the article number (f. ex. 9585/HB)!



Art. no. **9585**

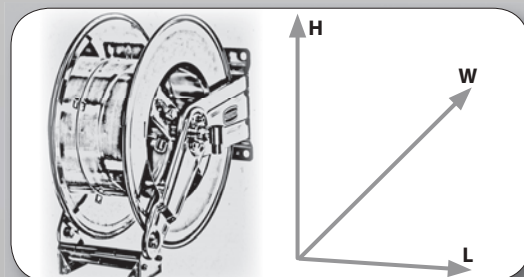


On demand these stainless steel hose reels can be supplied in accordance with directive ATEX 94/9/EC – group II – category 2.

Art. no.	Max working pressure	Connection threads IN - OUT	Internal Ø swivel joint	Max Ø hose	Max length hose	Weight	Spool width	Included swivel joint	Dimensions (LxWxH) (mm)
9085	100 bar	1" (M) – 1" (F)	20 mm	3/4"	40 m	50 Kg	400 mm	9969	590x650x590
9585	100 bar	1" (M) – 1" (F)	20 mm	3/4"	40 m	50 Kg	400 mm	9986	590x650x590

/HB Hydraulic spring brake kit

Safety device for the controlled rewind of hoses, installable on all spring-driven hose reel models, eliminating the dangers caused by an uncontrolled rewind or a sudden release of the hose when unwinded during its use.



Adjustable arms series EVO-MY10 Ø max 1'1/4" – up to 20 m length

Ø max 1'1/2" – up to 15 m length

Art. no. **9031 - 9038 - 9039**

Automatic rewind, spring-driven hose reel, **adjustable arms series-EVO**, in painted steel, suitable for applications with high delivery rates and for hoses of max 20 m length in 1' 1/4" and max 15 m length in 1' 1/2".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, diesel, compressed air and water. From the inlet swivel joint the fluid flows through an interchangeable hose connection adapter assembly on which the hose is mounted (standard version galvanized steel, available on demand also in stainless steel AISI 304 or AISI 316).

Please see catalogue pages 242 and 243 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **/HB** to the article number (f. ex. 9031/HB)!

Art. no. **9031 - 9038 - 9039**



Art. no. **9531 - 9538 - 9539**

Automatic rewind, spring-driven hose reel, **adjustable arms series EVO**, in stainless steel AISI 304, suitable for applications with high delivery rates and for hoses of max 20 m length in 1' 1/4" and max 15 m length in 1' 1/2".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, diesel, compressed air and water. From the inlet swivel joint the fluid flows through an interchangeable hose connection adapter assembly on which the hose is mounted (standard version stainless steel AISI 304, available on demand also in stainless steel AISI 316). Please see catalogue pages 242 and 243 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **/HB** to the article number (f. ex. 9531/HB)!

Art. no. **9531 - 9538 - 9539**

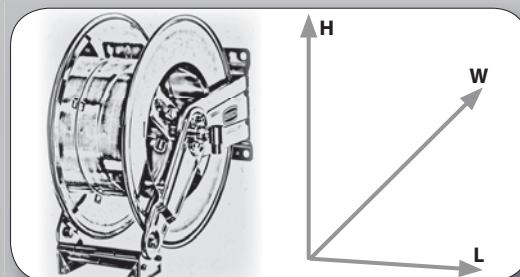


On demand these stainless steel hose reels can be supplied in accordance with directive ATEX 94/9/EC – group II – category 2.

Art. no.	Max working pressure	Connection threads IN - OUT	Internal ø swivel joint	Max ø hose	Max length hose	Weight	Spool width	Included swivel joint	Dimensions (LxWxH) (mm)
9031	20 bar	1' 1/4" (M) – 1' 1/4" (F)	25 mm	1' 1/4"	8 m	18 kg	200 mm	9982	330x650x600
9038	20 bar	1' 1/4" (M) – 1' 1/4" (F)	25 mm	1' 1/4"	20 m	49 kg	400 mm	9982	590x650x600
9039	20 bar	1' 1/2" (M) – 1' 1/2" (F)	32 mm	1' 1/2"	15 m	50 kg	400 mm	9983	590x650x600
9531	20 bar	1' 1/4" (M) – 1' 1/4" (F)	25 mm	1' 1/4"	8 m	18 kg	200 mm	9982	330x650x600
9538	20 bar	1' 1/4" (M) – 1' 1/4" (F)	25 mm	1' 1/4"	20 m	49 kg	400 mm	9982	590x650x600
9539	20 bar	1' 1/2" (M) – 1' 1/2" (F)	32 mm	1' 1/2"	15 m	50 kg	400 mm	9983	590x650x600

/HB Hydraulic spring brake kit

Safety device for the controlled rewind of hoses, installable on all spring-driven hose reel models, eliminating the dangers caused by an uncontrolled rewind or a sudden release of the hose when unwinded during its use.



Heavy duty series Ø max 1/2" - up to 25 m length

Art. no. **9026 - 9032 - 9315**



Art. no. **9026-9032-9315**

Automatic rewind, spring-driven hose reel, **heavy duty series**, in painted steel, suitable for hoses of max 25 m length and max diameter of 1/2".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water.

Please see catalogue pages 242 and 243 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"HB"** to the article number (f. ex. 9026/HB)!



Art. no. **9768**

Pivoting wall mounting bracket for art. no. 9026 - 9032.

Art. no. **9767**

Pivoting wall mounting bracket for art. no. 9315.



Art. no. **9767**
Art. no. **9768**

Art. no. **9523 - 9524 - 9532**



Art. no. **9523-9524-9532**

Automatic rewind, spring-driven hose reel, **heavy duty series**, in stainless steel AISI 304, suitable for hoses of max 20 m length and max diameter of 1/2".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water.

Please see catalogue pages 242 and 243 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **"HB"** to the article number (f. ex. 9523/HB)!



Art. no. **9760**

Pivoting wall mounting bracket for art. no. 9523.

Art. no. **9765**

Pivoting wall mounting bracket for art. no. 9524 - 9532.



Art. no. **9760**
Art. no. **9765**

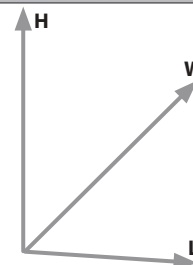


On demand these stainless steel hose reels can be supplied in accordance with directive ATEX 94/9/EC - group II - category 2.

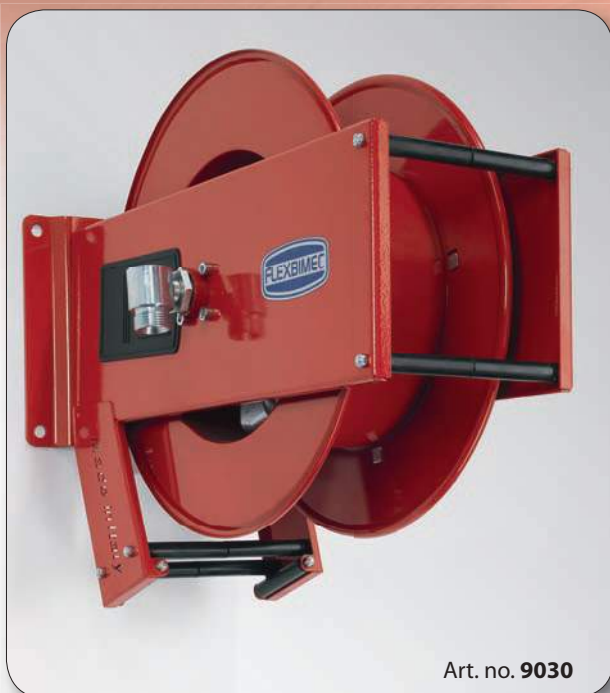
Art. no.	Max working pressure	Connection threads IN - OUT	Internal ø swivel joint	Max ø hose	Max length hose	Weight	Spool width	Suitable pivoting wall bracket	Included swivel joint	Dimensions (LxWxH) (mm)
9315	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	15 m	16 Kg	120 mm	9767	9951	300x550x450
9026	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	20 m	21 Kg	150 mm	9768	9951	300x550x450
9032	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	25 m	23 Kg	200 mm	9768	9951	350x550x450
9523	200 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	15 m	16 Kg	120 mm	9760	9963	300x550x450
9524	200 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	20 m	21 Kg	150 mm	9765	9963	300x550x450
9532	200 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	25 m	23 Kg	200 mm	9765	9963	350x550x450

/HB Hydraulic spring brake kit

Safety device for the controlled rewind of hoses, installable on all spring-driven hose reel models, eliminating the dangers caused by an uncontrolled rewind or a sudden release of the hose when unwinded during its use.



Heavy duty series Ø max 1" - up to 12 m length



Art. no. 9030

Automatic rewind, spring-driven hose reel, **heavy duty series**, in painted steel, suitable for applications with short distances and hoses of max 12 m length in 3/4" or max 8 m length in 1".

The hose reel is supplied without hoses and can be used with hoses for the supply of diesel, compressed air and water at low pressure.

Please see catalogue pages 242 and 243 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **/HB** to the article number (f. ex. 9030/HB)!



Art. no. 9768
Pivoting wall mounting bracket for art. no. 9030.



Art. no. 9768



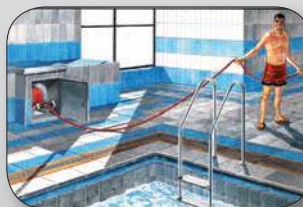
Art. no. 9529

Automatic rewind, spring-driven hose reel, **heavy duty series**, in stainless steel AISI 304, suitable for applications and short distances with hoses of max 12 m length in 3/4" or max 8 m length in 1".

The hose reel is supplied without hoses and can be used with hoses for the supply of diesel, compressed air and water at low pressure.

Please see catalogue pages 242 and 243 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **/HB** to the article number (f. ex. 9030/HB)!



Art. no. 9765
Pivoting wall mounting bracket for art. no. 9529.



Art. no. 9765



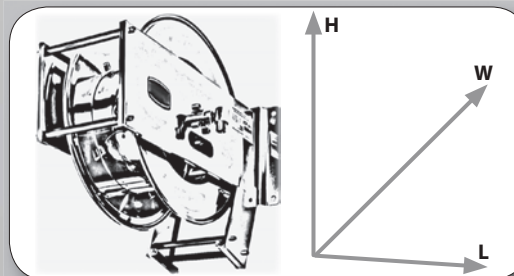
On demand these stainless steel hose reels can be supplied in accordance with directive ATEX 94/9/EC – group II – category 2.

Art. no.	Max working pressure	Connection threads IN - OUT	Internal Ø swivel joint	Max Ø hose	Max length hose 3/4" - 1"	Weight	Spool width	Suitable pivoting wall bracket	Included swivel joint	Dimensions (LxWxH) (mm)
9030	100 bar	1" (M) - 1" (F)	20 mm	1"	12 m - 8 m	21 Kg	150 mm	9768	9969	550x300x450
9529	100 bar	1" (M) - 1" (F)	20 mm	1"	12 m - 8 m	21 Kg	150 mm	9765	9986	550x300x450



/HB Hydraulic spring brake kit

Safety device for the controlled rewind of hoses, installable on all spring-driven hose reel models, eliminating the dangers caused by an uncontrolled rewind or a sudden release of the hose when unwinded during its use.



Heavy duty series Ø max 1" - up to 25 m length

Art. no. **9034 - 9036**

Automatic rewind, spring-driven hose reel, heavy duty series, in painted steel, suitable for hoses of max 18 m length in 3/4" or max 15 m length in 1".
The art. no. 9036 is equipped with a twin spring for the hose rewind.

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, diesel, compressed air and water at low pressure.

Please see catalogue pages 242 and 243 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **/HB** to the article number (f. ex. 9034/HB)!



Art. no. **9034 - 9036**



Art. no. **9769**

Pivoting wall mounting bracket for art. no. 9034.



Art. no. **9769**

Art. no. **9525 - 9536**

Automatic rewind, spring-driven hose reel, heavy duty series, in stainless steel AISI 304, suitable for hoses of max 18 m length in 3/4" or max 15 m length in 1".
The art. no. 9536 is equipped with a twin spring for the hose rewind.

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, diesel, compressed air and water at low pressure.



Art. no. **9525 - 9536**

Art. no. **9764**

Pivoting wall mounting bracket for art. no. 9525.



Art. no. **9764**

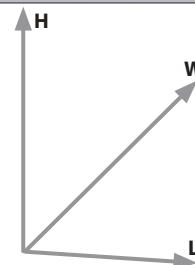


On demand these stainless steel hose reels can be supplied in accordance with directive ATEX 94/9/EC – group II – category 2.

Art. no.	Max working pressure	Connection threads IN - OUT	Internal ø swivel joint	Max ø hose	Max length hose 3/4" - 1"	Weight	Spool width	Suitable pivoting wall bracket	Included swivel joint	Dimensions (LxWxH) (mm)
9034	100 bar	1" (M) - 1" (F)	20 mm	1"	18 m - 15 m	24 Kg	300 mm	9769	9969	460x590x450
9525	100 bar	1" (M) - 1" (F)	20 mm	1"	18 m - 15 m	24 Kg	300 mm	9764	9986	460x590x450
9036	100 bar	1" (M) - 1" (F)	20 mm	1"	30 m - 25 m	36 Kg	400 mm	-	9969	520x550x540
9536	100 bar	1" (M) - 1" (F)	20 mm	1"	30 m - 25 m	36 Kg	400 mm	-	9986	520x550x540

/HB Hydraulic spring brake kit

Safety device for the controlled rewind of hoses, installable on all spring-driven hose reel models, eliminating the dangers caused by an uncontrolled rewind or a sudden release of the hose when unwinded during its use.



Heavy duty series OX

Ø max 1" - up to 25 m length

Ø max 3/4" - up to 20 m length

5 YEARS WARRANTY!



Art. no. **9065 -9066**

Art. no. **9065 -9066**

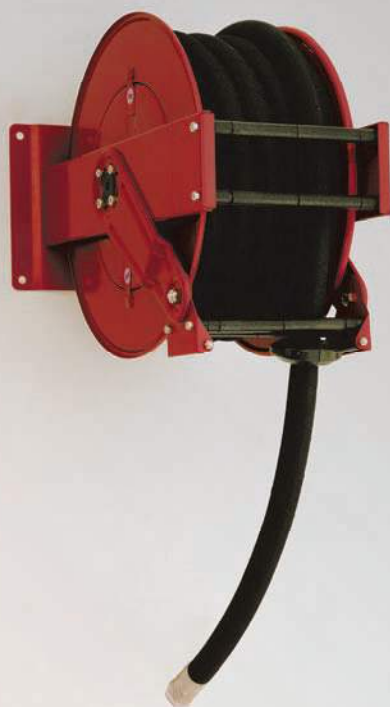
Automatic rewind, spring-driven hose reel, **heavy duty series OX**, in painted steel, with twin spring and adjustable arms, suitable for hoses of max 25 m length in 3/4" or max 20 m length in 1".

The extreme robustness of its construction combined with the high rewinding strength of its twin spring characterize this innovative hose reel version which is particularly suitable for the use with high pressure hoses in 3/4" and 1" (SAE 100 R1T and SAE 100 R2T) for oils, grease and diesel.

The oversizing of its structure allows this hose reel series – for which 5 years warranty are granted – to achieve extraordinary performances in its use.

Please see catalogue pages 242 and 243 for the selection of the required hoses.

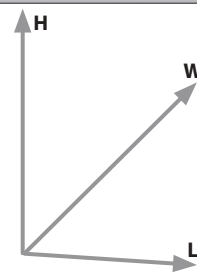
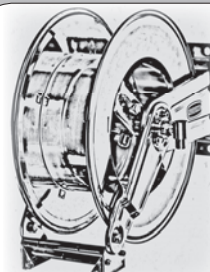
On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **/HB** to the article number (f. ex. 9065/HB)!



Art. no.	Max working pressure	Connection threads IN - OUT	Internal Ø swivel joint	Max Ø hose	Max length hose 3/4" - 1"	Weight	Spool width	Included swivel joint	Dimensions (LxWxH) (mm)
9065	200 bar	1" (M) - 1" (M)	20 mm	1"	20 m - 15 m	25 Kg	200 mm 450 mm	9979	270x600x490
9066	200 bar	1" (M) - 1" (M)	20 mm	1"	25 m - 20 m	32 Kg	200 mm 580 mm	9979	270x600x600

/HB Hydraulic spring brake kit

Safety device for the controlled rewind of hoses, installable on all spring-driven hose reel models, eliminating the dangers caused by an uncontrolled rewind or a sudden release of the hose when unwinded during its use.



Series THIN REEL

Ø max 1/2" - 25 m length

Art. no. **9060**

Automatic rewind, spring-driven hose reel, **series THIN REEL**, in painted steel, suitable for hoses of max 25 m length and max diameter of 1/2".

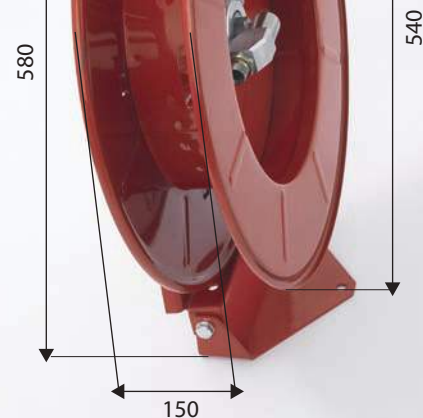
Its innovative constructional design characterizes the models of this series which is particularly suitable in applications with limited space in width thanks to its overall width of max 150 mm, f. ex. for the installation inside of compact cabinets.

This hose reel is equipped with a swivelling bracket which allows a rotation of 90° so that a laterally installed reel can be used then forward-facing and can be repositioned easily again after use.

Please see catalogue pages 242 and 243 for the selection of the required hoses.

On demand the hose reels can also be supplied with a **spring brake kit** (see information at the end of this page!); please add suffix **/HB** to the article number (f. ex. 9060/HB)!

Art. no. **9060**



Art. no.	Max working pressure	Connection threads IN - OUT	Internal ø swivel joint	Max ø hose	Max length hose	Weight	Spool width	Included swivel joint	Dimensions (LxWxH) (mm)
9060	200 bar	1/2" (M) - 1/2" (M)	12 mm	1/2"	25 m	14 Kg	120 mm	9951	150x540x580

/HB Hydraulic spring brake kit

Safety device for the controlled rewind of hoses, installable on all spring-driven hose reel models, eliminating the dangers caused by an uncontrolled rewind or a sudden release of the hose when unwinded during its use.

LS series Ø max 1/2" up to 50 m length and max Ø 1" up to 20 m length



Art. no. **9251 - 9252 - 9253 - 9256**

Manual, hand crank hose reel, **LS series**, in black painted steel, suitable for hoses of max 50 m length in 1/2".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water at low and high pressure.

Please see catalogue pages 242 and 243 for the selection of the required hoses.



Pivoting wall mounting bracket



Art. no. **9254 - 9255**

Manual, hand crank hose reel, **LS series**, in black painted steel, suitable for hoses of max 20 m length in 1" or max 30 m length in 3/4".

The hose reel is supplied without hoses and can be used with hoses for the supply of diesel, compressed air and water at low pressure.

Please see catalogue pages 242 and 243 for the selection of the required hoses.



Pivoting wall mounting bracket

Art. no.	Max working pressure	Connection threads IN - OUT	Internal Ø swivel joint	Max Ø hose	Max length hose 1/4" - 3/8" - 1/2"	Spool width	Suitable pivoting wall bracket	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
9251	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	25 - 20 - 15 m	120 mm	9767	9951	8 kg	250 x 530 x 480
9252	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	50 - 35 - 25 m	150 mm	9768	9951	9 kg	280 x 530 x 480
9253	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	70 - 50 - 35 m	200 mm	9773	9951	12 kg	320 x 530 x 480
9256	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	100 - 70 - 50 m	400 mm	9769	9951	12 kg	320 x 530 x 480

Art. no.	Max working pressure	Connection threads IN - OUT	Internal Ø swivel joint	Max Ø hose	Max length hose 3/4" - 1"	Spool width	Suitable pivoting wall bracket	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
9254	100 bar	1" (M) - 1" (M)	20 mm	1"	15 - 12 m	200 mm	9773	9973	12 kg	320 x 530 x 480
9255	100 bar	1" (M) - 1" (M)	20 mm	1"	25 - 20 m	400 mm	9769	9973	15 kg	480 x 530 x 480

Ø max 1/2" - up to 50 m length

Art. no. **9261 – 9262 – 9263 – 9264**

Manual, hand crank hose reel, in painted steel, with **double arm support**, suitable for hoses of max 100 m length in 1/4" or max 50 m length in 1/2".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease and compressed air, with a max working pressure of 600 bar and a max fluid temperature of 40°C.

On demand other swivel joints can be installed on the reel (see catalogue pages 238 – 240!).



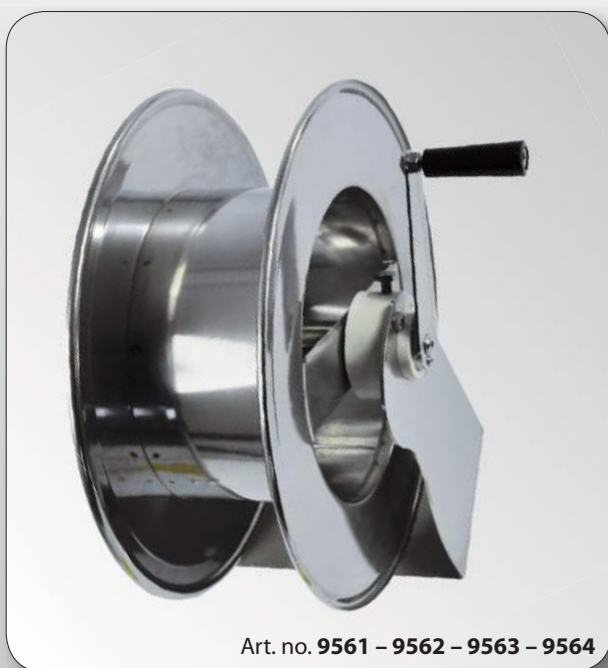
Art. no. **9261 – 9262 – 9263 – 9264**

Art. no. **9561 – 9562 – 9563 – 9564**

Manual, hand crank hose reel, in stainless steel AISI 304, with **double arm support**, suitable for hoses of max 100 m length in 1/4" or max 50 m length in 1/2".

The hose reel is supplied without hoses and can be used with hoses for the supply of water and compressed air, with a max working pressure of 200 bar and a max fluid temperature of 150°C.

On demand other swivel joints can be installed on the reel (see catalogue pages 238 – 240!).



Art. no. **9561 – 9562 – 9563 – 9564**

Art. no.	Max working pressure	Connection threads IN - OUT	Internal ø swivel joint	Max ø hose	Max length hose 1/4" - 3/8" - 1/2"	Spool width	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
9261	600 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	50 – 35 – 25 m	150 mm	9951	9 kg	450x300x500
9262	600 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	70 – 50 – 35 m	200 mm	9951	10 kg	450x350x500
9263	600 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	80 – 60 – 43 m	250 mm	9951	11 kg	450x400x500
9264	600 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	100 – 70 – 50 m	300 mm	9951	12 kg	450x450x500
9561	200 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	50 – 35 – 25 m	150 mm	9963	9 kg	450x300x500
9562	200 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	70 – 50 – 35 m	200 mm	9963	10 kg	450x350x500
9563	200 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	80 – 60 – 43 m	250 mm	9963	11 kg	450x400x500
9564	200 bar	1/2" (M) – 1/2" (F)	10 mm	1/2"	100 – 70 – 50 m	300 mm	9963	12 kg	450x450x500

Ø max 1/2" - up to 50 m length

Art. no. **9551**

Manual, hand crank hose reel, in stainless steel AISI 304, with **single arm support**, suitable for hoses of max 20 m length in 3/8".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water.

Art. no. **9553**

Manual, hand crank hose reel, in stainless steel AISI 304, with **double arm support**, suitable for hoses of max 20 m length in 3/8".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water.

Art. no. **9550**

Manual, hand crank hose reel, in stainless steel AISI 304, with **single arm support**, suitable for hoses of max 50 m length in 1/2".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water.

Art. no. **9552**

Manual, hand crank hose reel, in stainless steel AISI 304, with **double arm support**, suitable for hoses of max 35 m length in 1/2".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water.



Art. no. **9551**



Art. no. **9553**



Art. no. **9550**



Art. no. **9552**

Art. no.	Max working pressure	Connection threads IN - OUT	Internal ø swivel joint	Max. ø hose	Max length hose 1/4" - 3/8" - 1/2"	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
9551	200 bar	1/2" (M) - 3/8" (F)	10 mm	1/2"	22 - 20 - 15 m	9963	9 Kg	300x390x330
9553	200 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	22 - 20 - 15 m	9963	10 Kg	320x400x400
9550	200 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	80 - 70 - 50 m	9963	15 Kg	370x500x460
9552	200 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	60 - 50 - 35 m	9963	13 Kg	300x500x460



Ø max 1" - up to 20 m length

Art. no. **9558**

Manual, hand crank hose reel, in stainless steel AISI 304, with **single arm support**, suitable for hoses of max 20 m length in 1".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, grease, compressed air and water.

The max working pressure is 20 bar, the max temperature 150°C.

The reel is equipped with gaskets in EPDM.



Art. no. **9558**

Art. no. **9559-9560**

Manual, hand crank hose reel, in stainless steel AISI 304, with **double arm support**, suitable for hoses of max 10 m length in 1" (art. no. 9559) and 20 m length in 1" (art. no. 9560).

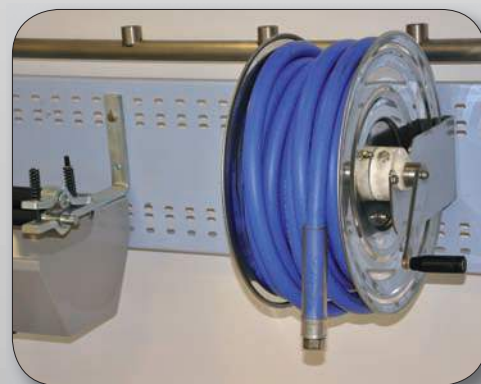
The hose reel is supplied without hoses and can be used with hoses for the supply of oils, antifreeze, compressed air and water.

The max working pressure is 20 bar, the max temperature 150°C.

The reel is equipped with gaskets in EPDM.



Art. no. **9559-9560**



Art. no.	Max working pressure	Connection threads IN - OUT	Internal ø swivel joint	Max. ø hose	Max length hose 3/4" - 1"	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
9558	100 bar	1" (M) - 3/4" (F)	20 mm	1"	35 m - 20 m	9986	13 Kg	550x340x460
9559	100 bar	1" (M) - 3/4" (F)	20 mm	1"	20 m - 10 m	9986	14 Kg	500x270x460
9560	100 bar	1" (M) - 3/4" (F)	20 mm	1"	25 m - 20 m	9986	15 Kg	500x270x460





Art. no. **9076 - 9576**

Hose reel, available in painted or in stainless steel AISI 304, with **electric motor for hose rewind**. The motor is connected to an external reduction gear with clutch torque limiter. Suitable for hoses of max 100 m length in 1/2".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, grease, antifreeze, compressed air and water.

The hose can be unwinded manually, whereas the rewind is made by activating an electric 12 VDC motor by means of a small control switchboard.

Optional: High frequency transmitter (433,9 MHz) with remote control to enable also an activation from a distance (= art. no. 8412).

Voltage	Power	Torque electric motor	Current drain	Protection category	Rpm	Max torque reduction gear
12 VDC	200 W	0,6 N/m	20 A	IP 54 S2	2800	65 N/m

Art. no.	Hose reel material	Max working pressure	Connection threads IN - OUT	Internal diameter swivel joint	Max ø hose	Max length hose 1/4" - 3/8" - 1/2"	Spool width	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
9076	Painted steel	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	130 - 120 - 100 m	400 mm	9951	52 kg	800x620x630
9576	Stainless steel AISI 304	200 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	130 - 120 - 100 m	400 mm	9963	52 kg	800x620x630



Art. no. **9079**
Art. no. **9579**

Art. no. **9079 - 9579**

Hose reel, available in painted or in stainless steel AISI 304, with **electric motor for hose rewind**. The motor is connected to an external reduction gear with clutch torque limiter. Suitable for hoses of max 40 m length in 1".

The hose reel is supplied without hoses and can be used with hoses for the supply of diesel, compressed air and water.

The hose can be unwinded manually, whereas the rewind is made by activating an electric 12 VDC motor by means of a small control switchboard.

Optional: High frequency transmitter (433,9 MHz) with remote control to enable also an activation from a distance (= art. no. 8412).

Technical data rewind system:

Voltage	Power	Torque electric motor	Current drain	Protection category	Rpm	Max torque reduction gear
12 VDC	200 W	0,6 N/m	20 A	IP 54 S2	2800	65 N/m

Art. no.	Hose reel material	Max working pressure	Connection threads IN - OUT	Internal ø swivel joint	Max ø hose	Max length hose 3/4" - 1"	Spool width	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
9079	Painted steel	100 bar	1" (M) - 3/4" (F)	20 mm	1"	50 - 40 m	400 mm	9969	58 kg	800x620x630
9579	Stainless steel AISI 304	100 bar	1" (M) - 3/4" (F)	20 mm	1"	50 - 40 m	400 mm	9986	55 kg	800x620x630





Art. no. **9072-9075-9572-9575**

Hose reel, available in painted or in stainless steel AISI 304, **with hydraulic motor for hose rewind**. Suitable for hoses of max 100 m length in 1/2" or max 40 m length in 1".

The hose reel is supplied without hoses and can be used with hoses for the supply of oils, grease, antifreeze, diesel, compressed air and water.

Art. no.	Hose reel material	Max working pressure	Connection threads IN - OUT	Internal ø swivel joint	Max ø hose	Max length hose 1/4" - 3/8" - 1/2"	Spool width	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
9072	Painted steel	600 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	130 - 120 - 100 m	400 mm	9951	50 kg	800x620x630
9572	Stainless steel AISI 304	200 bar	1/2" (M) - 1/2" (F)	10 mm	1/2"	130 - 120 - 100 m	400 mm	9963	50 kg	800x620x630

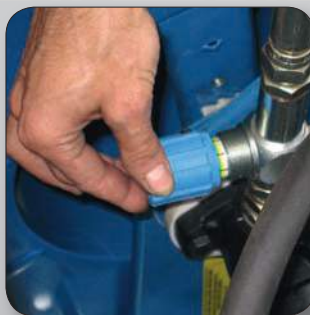
Art. no.	Hose reel material	Max working pressure	Connection threads IN - OUT	Internal ø swivel joint	Max ø hose	Max length hose 3/4" - 1"	Spool width	Included swivel joint	Weight	Dimensions (LxWxH) (mm)
9075	Painted steel	100 bar	1" (M) - 3/4" (F)	20 mm	1"	50 - 40 m	400 mm	9969	50 kg	800x620x630
9575	Stainless steel AISI 304	100 bar	1" (M) - 3/4" (F)	20 mm	1"	50 - 40 m	400 mm	9986	50 kg	800x620x630



Art. no. **9089**

Art. no. **9089**

Electro-hydraulic control kit, provided for the installation on the hydraulic motor of hose reels art. nos. 9072 - 9075 - 9572 - 9575, composed of electric gear pump, electric control switchboard, 5 m inlet and outlet hoses, 16 l - container and pressure regulating valve.



Pressure regulating valve for the control of the rewind strength.

Art. no.	Rewind pressure	Adjustment range	Voltage	Capacity oil container	Weight
9089	20 bar	0,5 - 20 bar	230 Vac	16 l	16 kg



Art. no. **9410**

Automatic rewind, spring-driven hose reel, **series "Easy Steel"**, in painted steel, with enclosure in painted steel and polyurethane hose 8 x 12 mm and 10 m length, suitable for the use with compressed air and water at low pressure.

Art. no. **9413**

Automatic rewind, spring-driven hose reel, **series "Easy Steel"**, in painted steel, with enclosure in painted steel and polyurethane hose 10 x 14 mm and 10 m length, suitable for the use with compressed air and water at low pressure.



Pivoting wall mounting
bracket

Art. no.	Hose length	Hose ø	Connection threads IN - OUT	Max working pressure	Weight	Dimensions (LxWxH) (mm)
9410	10 m	8x12 mm	1/4" BSP (F) – 1/4" BSP (M)	15 bar	11 kg	220x310x380
9413	10 m	10x14 mm	1/4" BSP (F) – 1/4" BSP (M)	15 bar	11 kg	220x310x380



Art. no. **9510**

Automatic rewind, spring-driven hose reel, **series "Easy Steel"**, in stainless steel AISI 304, with enclosure in stainless steel and polyurethane hose 8 x 12 mm and 10 m length, suitable for the use with compressed air and water at low pressure.

Art. no. **9511**

Automatic rewind, spring-driven hose reel, **series "Easy Steel"**, in stainless steel AISI 304, with enclosure in stainless steel and polyurethane hose 10 x 14 mm and 10 m length, suitable for the use with compressed air and water at low pressure.

Art. no.	Hose length	Hose ø	Connection threads IN - OUT	Max working pressure	Weight	Dimensions (LxWxH) (mm)
9510	10 m	8x12 mm	1/4" BSP (F) – 1/4" BSP (M)	15 bar	11 kg	220x310x380
9511	10 m	10x14 mm	1/4" BSP (F) – 1/4" BSP (M)	15 bar	11 kg	220x310x380





Art. no. **9270**

Automatic rewind, spring-driven hose reel, in painted steel, provided for the installation of max 10 m – twin hose in 1/2", with hose inlet connection fittings, suitable to connect welding equipment.

The hose reel is supplied without hoses and can be used with twin hoses (blue - red) for welding gases oxygen and acetylene in SBR/EPDM according to norm EN 559:1994.

On demand also available in stainless steel AISI 304.

Art. no.	Hose reel material	Max working pressure	Connection threads IN - OUT	Max length hose	Max operating temperature	Weight	Dimensions (LxWxH) (mm)
9270	Painted steel	200 bar	1/2" BSP (M) – 1/2" BSP (F)	10 m	90°C	18 kg	280x610x640



Art. no. **9418**

Automatic rewind, spring-driven hose reel, in painted steel, with 20 m – twin hose (blue - red) in 5/16" - 2 x 8 mm for welding gases oxygen and acetylene (in SBR/EPDM according to norm EN 559:1994 max 20 bar - 90°C), hose inlet connection fittings, shaft and swivel joint in brass; suitable to connect welding equipment.

On demand also available in stainless steel AISI 304.



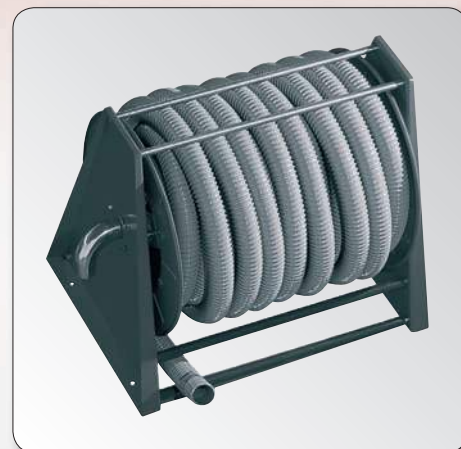
Art. no.	Hose reel material	Max working pressure	Connection threads IN - OUT	Max length hose	Max operating temperature	Weight	Dimensions (LxWxH) (mm)
9418	Painted steel	20 bar	3/8" BSP (F) – 3/8" BSP (F)	20 m	150 mm	32 kg	280x610x640



Art. no. **9078**

Automatic rewind, spring-driven hose reel, in painted steel, provided for the suction of air or dust through suitable hoses with int. \varnothing 50 mm (2") and a max length of 20 m. The hose reel is supplied without hose.

On demand the required hoses are also available.



Art. no.	Connection	Hose reel material	Weight	Dimensions (LxWxH) (mm)
9078	Int. \varnothing 50 mm	Carbon steel	40 kg	600 x 700 x 800



Art. no. **9578**

Automatic rewind, spring-driven hose reel, in stainless steel AISI 304, provided for the suction of air or dust through suitable hoses with int. \varnothing 50 mm (2") and a max length of 20 m. The hose reel is supplied without hose.

On demand the required hoses are also available.



Art. no.	Connection	Hose reel material	Weight	Dimensions (LxWxH) (mm)
9578	Int. \varnothing 50 mm	Stainless steel AISI 304	40 kg	600 x 700 x 800





Art. no. 9210

Automatic rewind, spring-driven hose reel, in painted steel, provided for exhaust extraction, with crush proof hose in different diameters and lengths, hose stop bumper and beak nozzle with diaphragm lid.

Art. no.	Suitable for hose diameter	Max hose length
9210/7510	Ø 75 mm	10 m
9210/7515	Ø 75 mm	15 m
9210/10010	Ø 100 mm	10 m
9210/10015	Ø 100 mm	15 m
9210/12510	Ø 125 mm	10 m
9210/12515	Ø 125 mm	15 m
9210/15010	Ø 150 mm	10 m



Art. no. 9212

Automatic rewind, spring-driven hose reel, in painted steel, provided for exhaust extraction, with electric centrifugal fan, crush proof hose in different diameters and lengths, hose stop bumper and beak nozzle with diaphragm lid.

Art. no.	Suitable for hose diameter	Max hose length	Power	Voltage
9212/6010	Ø 60 mm	10 m	0,37 kW	380 VAC / 50 Hz
9212/7510	Ø 75 mm	10 m	0,75 kW	380 VAC / 50 Hz
9212/7515	Ø 75 mm	15 m	0,75 kW	380 VAC / 50 Hz
9212/10010	Ø 100 mm	10 m	0,75 kW	380 VAC / 50 Hz
9212/10015	Ø 100 mm	15 m	0,75 kW	380 VAC / 50 Hz
9212/12510	Ø 125 mm	10 m	0,75 kW	380 VAC / 50 Hz
9212/12515	Ø 125 mm	15 m	0,75 kW	380 VAC / 50 Hz
9212/15010	Ø 150 mm	10 m	1,1 kW	380 VAC / 50 Hz



Art. no. 9214

Miniset with electric centrifugal fan, double crush proof hose in different diameters and lengths, hose stop bumper and beak nozzle with diaphragm lid, provided for exhaust extraction, suitable for the use in 1 or 2 posts.

Art. no.	Suitable for hose diameter	Max hose length	Power	Voltage
9214/7510	Ø 75 mm	10 m	0,75 kW	380 VAC / 50 Hz
9214/7515	Ø 75 mm	15 m	0,75 kW	380 VAC / 50 Hz
9214/10010	Ø 100 mm	10 m	0,75 kW	380 VAC / 50 Hz
9214/10015	Ø 100 mm	15 m	0,75 kW	380 VAC / 50 Hz
9214/12510	Ø 125 mm	10 m	0,75 kW	380 VAC / 50 Hz
9214/12515	Ø 125 mm	15 m	0,75 kW	380 VAC / 50 Hz
9214/15010	Ø 150 mm	10 m	1,1 kW	380 VAC / 50 Hz



Art. no. 9216 - Art. no. 9218

Wall mounted suction system for exhaust extraction for single or two work stations. It's inclusive of a fan with backward blade fan wheel, crush-proof hose in different diameters and lengths, hose stop bumper and beak nozzle with diaphragm lid.

Art. no.	Suitable for hose diameter	Max hose length	Power	Voltage
9216/75075	Ø 75 mm	7,5 m	0,75 kW	380 VAC / 50 Hz
9216/7510	Ø 75 mm	10 m	0,75 kW	380 VAC / 50 Hz
9216/100075	Ø 100 mm	7,5 m	0,75 kW	380 VAC / 50 Hz
9216/10010	Ø 100 mm	10 m	0,75 kW	380 VAC / 50 Hz
9218/75075	Ø 75 mm	7,5 m	1,1 kW	380 VAC / 50 Hz
9218/7510	Ø 75 mm	10 m	1,1 kW	380 VAC / 50 Hz
9218/100075	Ø 100 mm	7,5 m	1,1 kW	380 VAC / 50 Hz
9218/10010	Ø 100 mm	10 m	1,1 kW	380 VAC / 50 Hz

Art. no. **9953**

Art. no. **9950**

Art. no. **9952**

Art. no. **9951**

90° - high pressure swivel joints in galvanized steel for the use with painted hose reel models for hoses up to 1/2".

Art. no. **9950** Recommended for high pressure applications with grease.

Art. no. **9951** Recommended for usual pressure applications with grease or oils (this is the standard swivel joint mounted on all painted steel hose reels for the use with grease up to 1/2").

Art. no. **9952** Recommended for applications with mineral oils and compressed air (this is the standard swivel joint mounted on all painted steel hose reels for the use with oils up to 1/2").

Art. no. **9953** Recommended for applications with glycol and brake fluid.

Art. no.	Connection threads	Max working pressure	Max temperature	Internal ø inlet swivel joint	Gaskets
9950	1/4" BSP (M)	900 bar	60° C	3 mm	PUR
9951	1/2" BSP (M)	600 bar	60° C	10 mm	PUR
9952	1/2" BSP (M)	200 bar	60° C	12 mm	PUR
9953	1/2" BSP (M)	200 bar	150° C	10 mm	EPDM

Art. no. **9979**

Art. no. **9969**

90° - high pressure swivel joints in galvanized steel for the use with painted steel hose reel models for hoses up to 1".

Recommended for high pressure applications with fluid lubricants.

Art. no.	Connection threads	Max working pressure *	Max temperature	Internal ø inlet swivel joint	Gaskets
9969	1" BSP (M)	100 bar	100° C	20 mm	FPM
9979	1" BSP (M)	200 bar	100° C	20 mm	FFKM

(*) Static pressure

Art. no. **9958**

Straight high pressure swivel joint in galvanized steel. Recommended for high pressure applications with fluid lubricants.

Art. no.	Connection threads	Working pressure	Max pressure *	Max temperature	Gaskets
9958	3/8" BSP (M) - 3/4" BSP (M)	700 bar	1050 bar	60° C	NBR

(*) Static pressure

Art. no. **9975**

Art. no. **9974**

Art. no. **9973**

90° - low pressure swivel joints in brass / free steel for the use with painted steel hose reel models for hoses 1" and 1 1/4".

Recommended for applications with diesel, glycol and compressed air.

Art. no.	Connection threads	Max working pressure	Max temperature	Internal ø inlet swivel joint	Gaskets
9973	1" BSP (M)	20 bar	60° C	20 mm	NBR
9974	1" BSP (F)	20 bar	60° C	20 mm	NBR
9975	1 1/4" BSP (F)	20 bar	60° C	25 mm	NBR

Art. no. **2107/11**

Art. no. **2107/10** Art. no. **2107/09**

Art. no. **2107/35**

Art. no. **2107/34**

Straight low pressure swivel joints in brass / free cutting steel. Recommended for applications with oils, diesel and compressed air.

Art. no.	Connection threads	Max working pressure	Max temperature	Internal ø inlet swivel joint	Gaskets
2107/34	3/4" BSP (M) - 1" BSP (F)	20 bar	60° C	20 mm	NBR
2107/35	3/4" BSP (M) - 1" BSP (M)	20 bar	60° C	20 mm	NBR
2107/09	1" BSP (M) - 1" BSP (M)	20 bar	60° C	20 mm	NBR
2107/10	1" BSP (M) - 1" BSP (F)	20 bar	60° C	20 mm	NBR
2107/11	1 1/4" BSP (M) - 1" BSP (M)	20 bar	60° C	25 mm	NBR

Explanation: PUR = Polyester Urethane Rubber (Vulkollan®), EPDM = Ethylene Propylene Diene Monomer, FPM = Fluoro rubber (Viton®), FFKM = Perfluorinated rubber (Kalrez®)



90° - high pressure swivel joints in stainless steel for the use with hose reel models for hoses up to 1/2".

Recommended for applications with water, AdBlue®/DEF/AUS32, glycol, other fluids compatible with this type of steel and compressed air.

The standard swivel joint mounted on all stainless steel hose reels in 1/2" is art. no. 9963.

Art. no.	Connection threads	Max working pressure	Max temperature	Internal ø inlet swivel joint	Gaskets	Material swivel joint body
9955	M 22 x 1,5	200 bar	150° C	10 mm	EPDM	Stainless steel AISI 303
9961	1/2" BSP (M)	400 bar	200° C	10 mm	FFKM	Stainless steel AISI 303
9962	1/2" BSP (M)	400 bar	200° C	10 mm	FFKM	Stainless steel AISI 316
9963	1/2" BSP (M)	200 bar	150° C	10 mm	EPDM	Stainless steel AISI 303
9964	1/2" BSP (F)	200 bar	150° C	10 mm	EPDM	Stainless steel AISI 303
9966	1/2" BSP (M)	600 bar	200° C	10 mm	FFKM	Stainless steel AISI 303
9967	1/2" BSP (M)	200 bar	150° C	12 mm	EPDM	Stainless steel AISI 303



90° - high pressure swivel joints in stainless steel for the use with hose reel models for hoses up to 1".

Recommended for applications with water, AdBlue®/DEF/AUS32, glycol, other fluids compatible with this type of steel and compressed air.

The standard swivel joint mounted on all stainless steel hose reels in 1" is art. no. 9986.

Art. no.	Connection threads	Max working pressure*	Max temperature	Internal ø inlet swivel joint	Gaskets	Material swivel joint body
9986	1" BSP (M)	100 bar	100°C	20 mm	FPM	Stainless steel AISI 303
9987	1" BSP (M)	200 bar	100°C	22 mm	FFKM	Stainless steel AISI 303
9981	1" BSP (M)	200 bar	100°C	22 mm	FFKM	Stainless steel AISI 316

(*) Static pressure



Low pressure swivel joints, suitable for hose reels in 1' 1/4" and 1' 1/2", with fixed fluid shaft and swivelling support, gooseneck assembly and hose tail connections ø 33 mm and ø 38 mm.

Art. no.	Connection threads	Max working pressure	Max temperature	Internal ø inlet swivel joint	Gaskets	Material swivel joint body
9982	1' 1/2" BSP (M)	10 bar	100°C	26 mm	FPM	Stainless steel AISI 303
9983	1' 1/2" BSP (M)	10 bar	100°C	33 mm	FPM	Stainless steel AISI 303



Interchangeable gooseneck assemblies with hose tail connection or male BSP threads.

Explanation:

EPDM: Etylene Propylene Diene Monomer

FPM: Fluoro rubber (Viton®)

FFKM: Perfluorinated rubber (Kalrez®)



Art. no. 9992
Art. no. 9994



Art. no. 9991
Art. no. 9993

Hose connection adapters with fluid shaft suitable for installation in hose reel series EVO in 1"; this special component facilitates the connection of the hose and assures a more effective fluid supply.

They are available in galvanized and stainless steel AISI 304. In combination with the swivel joints of catalogue pages 238 and 239 they enable the use of a painted steel hose reel model also for fluids that require wetted parts in stainless steel (f. ex. water, AdBlue®/DEF/AUS32), just by changing the components which are in contact with the fluid.

Art. no.	Inlet connection thread	Outlet connection thread	Internal diameter inlet swivel joint	Material swivel joint body
9991	1" BSP (F)	3/4" BSP (M)	19 mm	Galvanized steel
9992	1" BSP (F)	1" BSP (M)	20 mm	Galvanized steel
9993	1" BSP (F)	3/4" BSP (M)	19 mm	Stainless steel AISI 303
9994	1" BSP (F)	1" BSP (M)	20 mm	Stainless steel AISI 303



Art. no. 9949

Art. no. 9948
Art. no. 9997

Art. no. 9947
Art. no. 9996

Gooseneck assemblies with fluid shaft suitable for installation in hose reel series EVO in 1"; this special component facilitates the connection of the hose and assures a more effective fluid supply.

They are available in galvanized and stainless steel AISI 304. In combination with the swivel joints of catalogue pages 238 and 239 they enable the use of a painted steel hose reel model also for fluids that require wetted parts in stainless steel (f. ex. water, AdBlue®/DEF/AUS32), just by changing the components which are in contact with the fluid.

Art. no.	Inlet connection thread	Outlet connection thread	Internal diameter inlet swivel joint	Material swivel joint body
9947	1" BSP (F)	3/4" BSP (M)	19 mm	Galvanized steel
9948	1" BSP (F)	1" BSP (M)	20 mm	Galvanized steel
9949	1" BSP (F)	1 1/4" BSP (M)	25 mm	Galvanized steel
9996	1" BSP (F)	3/4" BSP (M)	19 mm	Stainless steel AISI 303
9997	1" BSP (F)	1" BSP (M)	20 mm	Stainless steel AISI 303



Art. no. 9989



Art. no. 9988

Interchangeable fluid shaft suitable for installation in hose reel series EVO in 1/2".

They are available in galvanized and stainless steel AISI 304. In combination with the swivel joints of catalogue pages 238 and 239 they enable the use of a painted steel hose reel model also for fluids that require wetted parts in stainless steel (f. ex. water, AdBlue®/DEF/AUS32), just by changing the components which are in contact with the fluid.

Art. no.	Inlet connection thread	Outlet connection thread	Internal diameter inlet swivel joint	Material swivel joint body
9988	3/4" BSP (F)	1/2" BSP (M)	12 mm	Galvanized steel
9989	3/4" BSP (F)	1/2" BSP (M)	12 mm	Stainless steel AISI 303



Plastic enclosures suitable for hose reel art. no. 9013; by mounting these enclosures it is possible to create a hose reel battery, improving the esthetic effect.



Art. no. 9780

Right side cover, including all mounting accessories.

Art. no. 9781

Left side cover, including all mounting accessories.

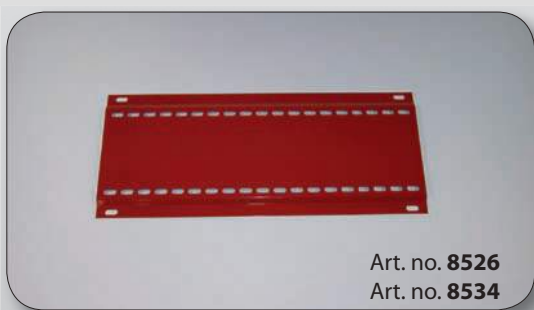


Art. no. 9779

Distance cover, for the mounting in between the hose reels, including all mounting accessories.



Art. no. 9779



Art. no. 8526

Art. no. 8534

Hose reel mounting channel, for the mounting of hose reels on wall or ceiling.

Length 880 mm (art. no. 8534)

Length 1350 mm (art. no. 8526)

Art. no. 8526

Art. no. 8534



Art. no. 9940

Art. no. 9941

Art. no. 9942

Art. no. 9943

Art. no. 9944

Hose stop bumpers.

Suitable for the adjustment of the desired hose length outside the reel and for stopping the hose at the required position when rewinding.

The following bumper models are included as a standard when the reel is purchased without hose:

Art. no. 9941 for hose reels 1" in painted steel

Art. no. 9943 for hose reels 1/2" in stainless steel

Art. no. 9944 for hose reels 1/2" in painted steel

Hose stop bumpers in other dimensions are available, depending on the hose to be mounted on the reel.

Art. no.	ø hose	ø bumper (mm)
9940	3/4"	26
9941	1"	33
9942	1/4"	15
9943	3/8"	17
9944	1/2"	20



New Bumper Series art. nos. 9940-9941



High pressure rubber hoses in accordance with SAE 100 R1AT, with swaged female BSP connection threads (swivel nuts), suitable for the supply of **oils** and **diesel** at high pressure.

Internal structure in oil-resistant, synthetic rubber, coating in rubber highly resistant to abrasion, ozone and atmospheric influences. Reinforcement: 1 steel wire braided, highly resistant layer.

Art. no.	Nominal ø	Internal ø	External ø	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
287XX	1/2"	12,7 mm	20,6 mm	160 bar	640 bar	180 mm	-40/+100°C	0,43 kg/m
289XX	3/4"	19,0 mm	27,7 mm	105 bar	420 bar	240 mm	-40/+100°C	0,61 kg/m
2895XX	1"	25,4 mm	35,6 mm	88 bar	350 bar	300 mm	-40/+100°C	0,94 kg/m

XX= stands for the required hose length in meters (f. ex. 287**15** = 15 m).



High pressure rubber hoses in accordance with SAE 100 R2AT, with swaged female BSP connection threads (swivel nuts), suitable for the supply of **grease** and **water** at high pressure.

Internal structure in oil-resistant, synthetic rubber, coating in rubber highly resistant to abrasion, ozone and atmospheric influences. Reinforcement: 2 steel wire braided, highly resistant layers.

Art. no.	Nominal ø	Internal ø	External ø	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
45XX	1/4"	6,4 mm	15 mm	400 bar	1600 bar	100 mm	-40/+100°C	0,36 kg/m
47XX	3/8"	9,5 mm	19 mm	330 bar	1320 bar	130 mm	-40/+100°C	0,53 kg/m
48XX	1/2"	12,7 mm	22,2 mm	275 bar	1100 bar	180 mm	-40/+100°C	0,63 kg/m
488XX	3/4"	19 mm	29,3 mm	215 bar	850 bar	240 mm	-40/+100°C	0,92 kg/m
4885XX	1"	25,4 mm	38,1 mm	165 bar	650 bar	300 mm	-40/+100°C	1,38 kg/m

XX= stands for the required hose length in meters (f. ex. 287**15** = 15 m)



High pressure, **blue antistaining rubber hoses**, in accordance with SAE 100 R2AT, with swaged female BSP connection threads (swivel nuts), suitable for the supply of **water** at high pressure (f. ex. in combination with high pressure cleaners).

Internal structure in oil-resistant, synthetic rubber, coating in rubber highly resistant to abrasion, ozone and atmospheric influences. Reinforcement: 2 steel wire braided, highly resistant layers.

Art. no.	Nominal ø	Internal ø	External ø	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
46XXAM	5/16"	7,9 mm	15 mm	400 bar	1600 bar	85 mm	-10/+160°C	0,36 kg/m
47XXAM	3/8"	9,5 mm	18 mm	400 bar	1600 bar	90 mm	-10/+160°C	0,46 kg/m

XX= stands for the required hose length in meters (f. ex. 287**15** = 15 m)



Low pressure rubber hoses in accordance with SAE 100 R6 – DIN EN 854, with swaged female BSP connection threads (swivel nuts), suitable for the supply of **diesel** and **water** at low pressure.

Internal structure in oil-resistant, synthetic rubber, coating in rubber highly resistant to abrasion, ozone and atmospheric influences. Reinforcement: 1 textile braided and 1 steel wire braided layer.

Art. no.	Nominal ø	Internal ø	External ø	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
288XX	3/4"	19 mm	26 mm	17 bar	97 bar	140 mm	-40/+100°C	0,32 kg/m
2896XX	1"	25 mm	32 mm	17 bar	97 bar	152 mm	-40/+100°C	0,43 kg/m
2897XX	1 1/4"	32 mm	43 mm	10 bar	40 bar	185 mm	-40/+100°C	1,02 kg/m
28997XX	1 1/2"	38 mm	50 mm	10 bar	40 bar	225 mm	-40/+100°C	1,60 kg/m

XX= stands for the required hose length in meters (f. ex. 287**15** = 15 m)



Low pressure synthetic rubber hoses CASER with swaged female BSP connection threads (swivel nuts) in brass (on demand also in stainless steel), suitable for the use with **hot water** in food industry applications.

Internal structure white, food industry – qualified synthetic rubber, coating in blue rubber highly resistant to abrasion, heat, ozone and atmospheric influences. Reinforcement with highly resistant synthetic cord. In accordance with FDA food industry standards.

Art. no.	Nominal ø	Internal ø	External ø	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
187XX	1/2"	12 mm	22 mm	15 bar	45 bar	100 mm	-35/+110°C	0,35 kg/m
189XX	3/4"	19 mm	31 mm	15 bar	45 bar	112 mm	-35/+110°C	0,51 kg/m

XX= stands for the required hose length in meters (f. ex. 287**15** = 15 m)



Low pressure hoses in hydrocarbon resistant black rubber with swaged female BSP connection threads (swivel nuts), suitable for the use with **fuels** and **petrol** in accordance with **norm EN 1761:1994**. Smooth internal structure in black rubber, resistant to hydrocarbons with an aromatic content of not more than 60 % and unleaded petrol with a max MTBE - content of 5 %. Cover in conductive black rubber, highly resistant to abrasion, ozone and atmospheric influences. Reinforcement with highly resistant synthetic cord. Resistant to inflammability in accordance with code of practice for flammable fluids TRbF 131, part 2, no. 5.5.

Art. no.	Nominal ø	Internal ø	External ø	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
2894XX	1"	25 mm	38 mm	18 bar	81 bar	182 mm	-30/+70°C	0,85 kg/m

XX= stands for the required hose length in meters (f. ex. 287**15** = 15 m)



Low pressure synthetic GPH rubber hoses (General Purpose Hoses) with swaged female BSP connection threads (swivel nuts) in stainless steel, suitable for the use with **AdBlue®/DEF/AUS32**, **water at low and high temperatures**, **chemical fluids**, **acids**, **glycol** and **compressed air** at low pressure. Internal structure in conductive black rubber, cover in black rubber, highly resistant to abrasion, heat, ozone and atmospheric influences. Reinforcement with highly resistant synthetic cord. In accordance with norm BS 2050:1978.

Art. no.	Nominal ø	Internal ø	External ø	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
2898XX	1/2"	13 mm	21 mm	20 bar	60 bar	100 mm	-40/+120°C	0,26 kg/m
2899XX	3/4"	19 mm	30 mm	20 bar	60 bar	112 mm	-40/+120°C	0,57 kg/m

XX= stands for the required hose length in meters (f. ex. 287**15** = 15 m)



Low pressure, blue PVC – hoses with swaged female BSP connection threads (swivel nuts) in brass, suitable for the use with **compressed air** and **water** at low pressure. Reinforcement with highly break resistant polyester cord.

Art. no.	Nominal ø	Internal ø	External ø	Working pressure	Burst pressure	Min bending radius	Working temperature (min/max)	Weight
38XX	3/8"	10 mm	16,5 mm	40 bar	120 bar	80 mm	-15 / +50°C	0,19 kg/m
277XX	1/2"	13 mm	20 mm	40 bar	120 bar	100 mm	-15 / +50°C	0,25 kg/m
399XX	3/4"	19 mm	28 mm	40 bar	120 bar	112 mm	-15 / +50°C	0,47 kg/m

XX= stands for the required hose length in meters (f. ex. 287**15** = 15 m)

DOSAMIX – System for the dosing and proportional, automated mixing of antifreeze, lubricating oils or emulsions.

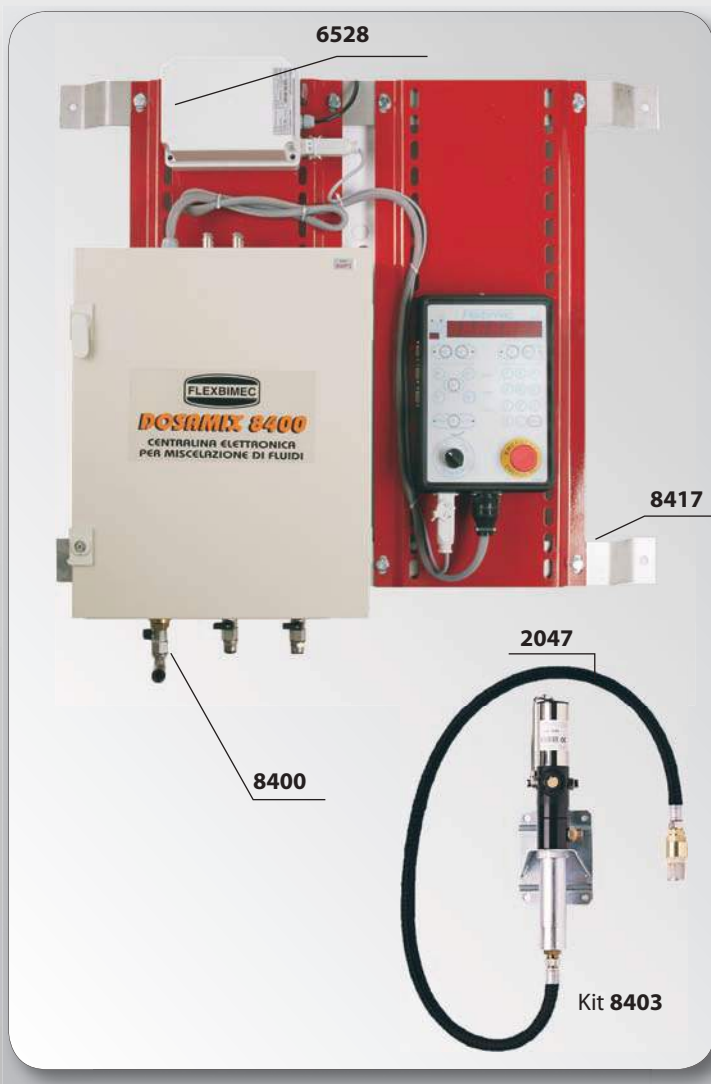
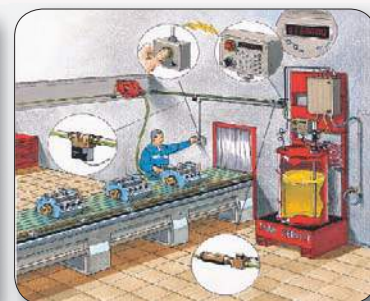
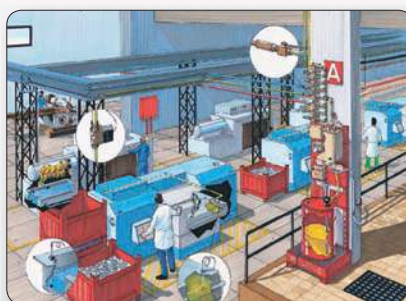
The system is based upon the proportional dosing - regulated by solenoid valves - of two fluids that shall be mixed and whose flow is measured by two meters with pulse transmitters which are monitored by the electronic control unit that keeps a constant balance of the preset mixture percentages. The electronic control allows to adapt the configuration exactly to the individual installation requirements.

The system offers the following benefits:

- Wide range of presettable mixture percentages from 0,5 % - 50 %.
- Constant concentrations with the possibility to store and to monitor 8 different mixing degrees.
- High accuracy of +/- 0,5 %.
- Manual dispense or dispense of preset quantities by using a keyboard or automatically through pulses activated by installed level gauges (min. - max) installed in the storage containers of the mixed fluids.
- Optional use of "CONTINUOUS" mode or "TIME PRESET" mode from min. 1 min. up to 12 hours.
- Automatic pump stop by means of installed level gauges which give a signal to interrupt the pump function as soon as the minimum level in the storage container of the mixed fluid has been reached.
- Monitoring by means of the "REPORT" function which starts the print of statistics comparing the really achieved dosage values with the preset values of all the preset transactions.

The following data can be controlled on the display of the keyboard:

- Quantity of all dispenses ever made (absolute totalizer), non resettable
- Quantity of a sum of dispenses (partial totalizer), resettable
- Preset values
- Concentration percentages of the fluids to be mixed with each other
- Automatic diagnostics to display any eventual inconsistencies
- All functions of the system can be adjusted by the keyboard
- The keyboard is prepared for the connection of a printer.



Art. no. 8403

Kit **DOSAMIX**, suitable for the mixture of a fluid with water in concentrations from 0,5 % until 50 %.

The kit is composed of:

- Mixing unit with keypad, art. no. **8400**
- Wall mounting bracket, art. no. **8417**
- Transformer / stabilizer 230 VAC – 12 VDC for the power supply, art. no. **6528**
- 1:1 - pneumatic pump, art. no. **2047**

The fluids must enter into the mixing unit with a pressure of min. 3 bar. In the standard version only 1 pump is included, so that it is necessary to make sure that the second fluid to be mixed is dispensed with sufficient pressure, otherwise another pump must be provided in the installation.



Art. no. 8415

Storage kit for the ready mixed fluids, consisting of a double wall storage tank with 400 l capacity (art. no. 8217/400), a 1:1 - pneumatic pump with a delivery of approx. 25 l/min, a high level and a low level probe.

The kit is supposed to be installed in between the mixing unit DOSAMIX and the dispensing point. Like that it serves as an intermediate storage container for the required, mixed fluid and it helps to increase the efficiency for refilling since the pump guarantees a fast dispense to the dispensing point.



Kit 8407

Art. no. 8407

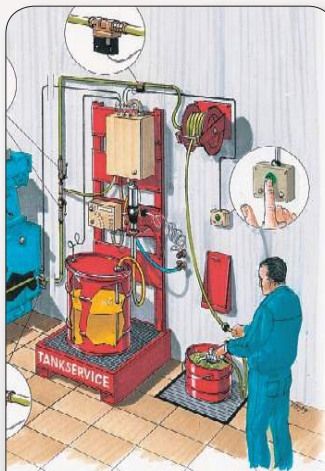
The installation of the kit **DOSAMIX** on the mounting shelves of series Tank Service Base permit to create an autonomous unit for the mixture of a fluid with water in concentrations from 0,5 % until 50 %.

The kit is composed of:

- Mixing unit with keypad, art. no. **8400**
- Transformer / stabilizer 230 VAC – 12 VDC for the power supply, art. no. **6528**
- 1:1 - pneumatic pump, art. no. **2047**
- Mounting shelf with spill containment pallet, art. no. **8525**

Art. no. 8457

Same as art. no. 8457, but installed in a metal cabinet.



This example shows the combination of two dispenses, one manually operated according to the requirement of the worker, the second one automatically operated directly into the machinery.



Kit 8457



Art. no. 6643

Non-return valve, prevents the reflow of the fluid into the main pipe.

Fluid pipework that leads to storage containers of which each can have a different percentage of the mixed fluids.

Kit 8413

Level indication kit, consisting of solenoid-actuated shut-off valve and probe with high and low level sensor. When the preset minimum level in the storage containers has been reached, a fluid dispense from the mixing unit will automatically be started. As soon as the maximum level has been reached, the flow will automatically be stopped again.

Art. no. 7344

Solenoid-actuated shut-off valve for the regulation of the fluid flow.

Art. no. 7240

Ball valve; enables or prevents the required fluid mixture to enter into the corresponding pipe.

Art. no. 8601

Ticket printer; allows to compare the real dispensed values with the preset values and control all dispenses.

Art. no. 8400

Electronic control keypad for mixing unit; serves for the adjustment of all functions. The dispenses can be activated manually, via remote control or by preset function. The figures can be controlled on the keypad display.

Art. no. 8408

Electric signals distributor; allows to expand the mixing unit to handle up to 8 containers with different fluid concentration percentages.

Art. no. 8400

Electronic mixing unit; two fluids can be mixed proportionally in constant concentration percentages.

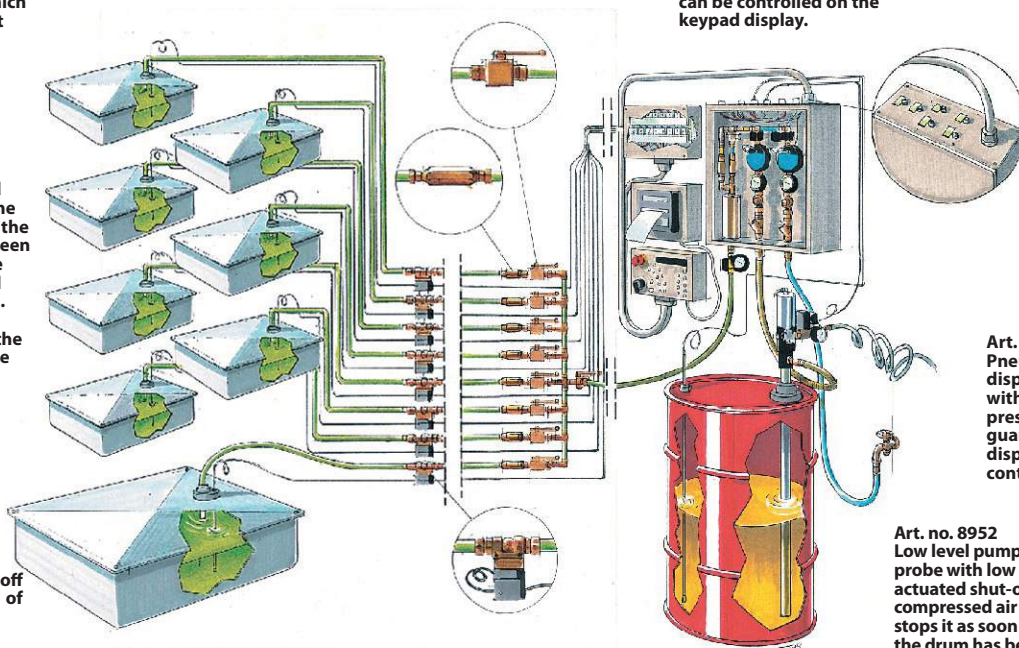
Switchboard with cable connections to receive the electronic signals; serves for the control of the filling levels, of the fluid flows, of the solenoid shut-off valves and of the pump.

Art. no. 2047

Pneumatic pump; serves for the dispense of the fluid to be mixed with water and to keep sufficient pressure in the pipework to guarantee an immediate fluid dispense into the storage containers when required.

Art. no. 8952

Low level pump stop kit, consisting of probe with low level sensor and solenoid-actuated shut-off valve that interrupts the compressed air supply of the pump and stops it as soon as the minimum level in the drum has been reached.



The need to use specialized equipment for the dismantling and depollution of end-of-life vehicles is based on the European directive 2000/53/EC. It regulates that all vehicle manufacturers and importers of new vehicles are obliged, together with all other affected economical operators of this sector - to take back the end-of-life vehicles from the market and to make sure that their components are dismantled and depolluted in a way that guarantees a respectful treatment of the environment and that until the end of 2006 the recycling and recovery rate of 85 % of the material weight and until 2015 a rate of 95 % must be achieved.

For the vehicle owners the take-back must be free of charge and it concerns all vehicles for the transport of max 9 passengers and a weight of max 3,5 t.

The directive defines the free-of-charge take-back of the vehicles like this:

- the vehicle must be delivered to a permitted treatment facility indicated by the vehicle manufacturer that takes it back free of charge,
- the vehicle must be complete or at least must include all essential components such as motor, gearbox, vehicle body, electronic components and catalyzer,
- the vehicle must not include contain any type of garbage.

Environmental liability

The environmental liability is an important factor of the FLEXBIMEC company philosophy. Actually it gets involved with a continuous environmental protection as one of its essential company targets.

Depollution process

When an "end-of-life" vehicle has been delivered to a suitable facility, it will be dismantled and depolluted in a proper way, including the following operations:

- Drainage of all fluids,
- Dismantling of the battery and of the tyres,
- Neutralization of the airbag system.

Each marketable part that is dismantled can be sold, except of the safety components which content pyrotechnic material (f. ex. airbags, seat belt pretensioner).

With its brand "Toolservice Fluid" FLEXBIMEC has developed a complete line of equipment for the dismantling and waste fluids drainage of end-of-life vehicles for professional users.



Example of an installation for end-of-life vehicle drainage and dismantling

Collection tank for petrol, art. no. 8229

Collection tank for diesel, art. no. 8217

Vehicle ramp, art. no. 3100

Metal staircase with working platform

Waste oil draining kit with wall mounted swivel arms, art. no. 3106

Waste fluids suction kit, art. no. 3125

Spill containment floor with grate

Tank drilling machine, art. no. 3111

Brake fluid draining kit

Fuel suction pumps

Collection tanks for oils, antifreeze, brake fluid and windshield washer fluid, art. nos. 7008 - 7009 - 7010





Art. no. **3100**

Vehicle ramp in painted steel including staircase with working platform. Enables an optimum access to the vehicle from below as well as from above. With spill containment safety floor with galvanized grates for a collection of eventually leaking fluids.

Dimensions (LxWXH): 4900 x 2000 x 2000 mm.
Bearing capacity: 3000 kg.



Art. no. **3101**

One - column lifting ramp for vehicles, specifically manufactured for the use in end - of - life vehicle drainage, including also a spill containment safety floor with galvanized grates for a collection of eventually leaking fluids.

Dimensions (LxWXH): 1576 x 2610 x 3790 mm.
Bearing capacity: 3500 kg.
Weight: 600 kg.
Power input: 2,2 kW - 3 HP - 230-400 VAC / 50 Hz.



Art. no. **3106**

Waste oil gravity draining kit, consisting of two metal collection bowls of 10 l capacity each, including removable anti splash grid and height-adjustable, telescopic tube, ball valves and hydraulic connectors for the connection of the suitable suction equipment. With wall mounted swivel arms, for the installation on the vehicle ramp (art. no. 3100).



Art. no. 3112

Mobile waste oil gravity drainer with 2 collection bowls in painted steel of 10 l capacity incl. removable anti splash grid, for a simultaneous drainage of motor oil and transmission oil.

The unit can be discharged pneumatically by connecting it to compressed air through a discharge hose with curved outlet tube. On demand also available with hydraulic quick connector for a connection to a pneumatic waste oil evacuation kit (see catalogue page 123!).

Art. no.	Capacity collection bowl	Capacity collection container	Max collection quantity	Discharge pressure	Weight	Dimensions (LxWxH) (mm)
3112	10l	90l	80l	0,5 bar	38 kg	700x900x1700

Art. no. 3111

Pneumatic tank drilling machine, portable version.

Allows to carry out the evacuation of petrol or diesel in vehicles in an easy, fast and safe way by drilling through the tank.

The machine is equipped with an interchangeable, nonarcing drill bit, an in-line filter with strainer, a flow control tube with transparent insert and connections for the discharge of the fuel by gravity into a can or by the suitable suction equipment into a collection tank.

The drill bit is activated by using a special, pneumatic drill machine with a low number of rotations and with reversal of the rotating direction.

Art. no. 3118

Conical silicone closing plugs, \varnothing 7x12 mm, for sealing the drill holes.

Packaging unit: 100 pieces.



Art. no. 3115

Mobile suction unit for petrol, equipped with pneumatic, rotary gear pump in stainless steel, pressure regulator with lubricator, suction hose, kit of suction probes in different diameters, storage bowl, two wheels trolley and 20 l - plastic can for collection of the sucked petrol. The unit is equipped with an earth cable to enable an electrostatic discharge and is constructed in accordance with directive ATEX 94/9/EC.



Art. no.	Max vacuum	Inlet pressure	Compression ratio pump	Air consumption	Outlet pressure	Weight	Dimensions (LxWxH) (mm)
3115	0,8 bar	3 bar	1:1	200 l/min	3 bar	17 kg	410x420x910



Art. no. **3122**
Art. no. **3123**
Art. no. **3124**

Art. no. **3122**

Art. no. **3123**

Art. no. **3124**

Pneumatic waste fluids suction kit, low version, composed of a solid mounting shelf in painted steel installed on a spill containment pallet, pneumatic suction pumps with accessories, vacuumeter for the control of the suction process, automatic rewind, spring-driven hose reels with 5 m – suction hoses 3/4" (or alternatively 10 m – suction hoses 1/2"), hydraulic quick couplings, suction probes in different diameters, lance for boring through the radiator, couplings for the suction of brake fluid and 3 m - connection hoses to the collection tanks.

Dimensions (LxWxH): 1350 x 830 x 1700 mm.

Art. no. 3122

Suction kit for 2 fluids

Art. no. 3123

Suction kit for 3 fluids

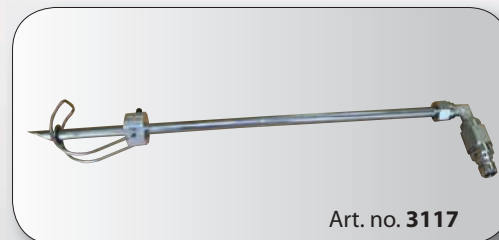
Art. no. 3124

Suction kit for 4 fluids

In order to install the suitable pumps and accessories it is important to specify when ordering the fluid type to be evacuated by choosing among the following: motor oil, gear oil, hydraulic oil, windshield washer fluid, brake fluid, antifreeze, diesel, petrol.

Art. no. **3117**

Radiator boring lance, with quick coupling for connection to a suction kit.



Art. no. **3117**



Art. no. **3125**
Art. no. **3126**
Art. no. **3127**

Art. no. **3125**

Art. no. **3126**

Art. no. **3127**

Pneumatic waste fluids suction kit, high version, composed of a solid mounting shelf in painted steel installed on a spill containment pallet, pneumatic suction pumps with accessories, vacuumeter for the control of the suction process, automatic rewind, spring-driven hose reels with 5 m – suction hoses 3/4" (or alternatively 10 m – suction hoses 1/2"), hydraulic quick couplings, suction probes in different diameters, lance for boring through the radiator, couplings for the suction of brake fluid and 3 m - connection hoses to the collection tanks.

Dimensions (LxWxH): 1350 x 830 x 2350 mm.

Art. no. 3125

Suction kit for 4 fluids

Art. no. 3126

Suction kit for 3 fluids

Art. no. 3127

Suction kit for 2 fluids

In order to install the suitable pumps and accessories it is important to specify when ordering the fluid type to be evacuated by choosing among the following: motor oil, gear oil, hydraulic oil, windshield washer fluid, brake fluid, antifreeze, diesel, petrol.





Art. no. **3129**

Electronic airbag activating and blasting unit **BOOM-BAG**, enables a safe and easy dismantling of all airbags in a vehicle.

Suitable for all vehicle models. The unit can be used immediately and one operator is sufficient to carry out the dismantling. The unit is packed in a plastic case and includes also an electric cable with alligator clamps for battery connection and a kit with cables and push terminals for the activation of single or double airbags.



Art. no.	Voltage	Protection category	Weight	Dimensions (LxWxH) (mm)
3129	12 VDC	IP 66	1 kg	210 x 95 x85



Art. no. **3130**

Electric glass cutter, for a safe and versatile cutting of the windshield glass of end-of-life vehicles.

- Electric mechanism with special high speed drill machine and diamond milling cutter,
- Conveyor in aluminium for the evacuation of the generated glass dust,
- Vacuum cleaner with stainless steel container, power 2000 W, collection capacity 80 l.



Art. no. **3132**

PERAMM 60 is a mobile evacuation unit for shock absorbers, composed of a drill machine and an air-operated power supply unit.

The drill gun is equipped with a hydraulic cylinder which allows – by means of the power supply unit – to drill through the shock absorbers.

The power supply unit consists of a 100:1 – pneumatic pump which can achieve up to 500 bar pressure. For the suction of the shock absorber oil and the hydro steer oil another pneumatic pump must be connected which transfers the sucked oil into the included 20 l – plastic can.

Technical data drill machine

Diameter	Drill stroke	Max diameter shock absorber	Length hose
15 mm	30 mm	60 mm	4 m

Technical data power unit supply

Compressed air supply	Compression ratio	Max outlet pressure	Max air consumption
2 – 5 bar	100:1	500 bar	120 l/min

Art. no. 3135

Mobile evacuation and recycling kit for air conditioning gas, consisting of an evacuation unit with a compressor that works with refrigerant gas types R12 and R134A, with a distillation system permitting the separation of the refrigerant from the oil, the filtration, the dehydration and the storage in 13 kg – standard gas cylinders. The kit includes also a pressure switch to enable a control when evacuation is finished and a protection against external pressure. Also included are a 250 ml – recipient for the collection of the oil eliminated from the gas, a 13 kg - gas cylinder, filling hoses of 1800 mm length and a 2 wheels - trolley.



Art. no. 3135

Art. no.	Voltage	Power	Weight	Dimensions (LxWxH) (mm)
3135	230 VAC – 50 Hz	180 W	50 kg	510x530x920



Art. no. 8226



Art. no. 8226

Diesel storage tank in reinforced painted steel, with self-supporting spill containment tray in steel, lifting plates, analogue level gauge and connections for the installation of the filling and dispensing equipment (f. ex. art. no. 6772 – see photo!). Optionally the tank can be supplied with a roofing which can be fixed in 4 openings already provided in the spill containment tray.

Roofing Optional



Art. no.	Capacity	Diameter tank	Dimensions (LxWxH) (mm)
8226/490	490 l	950 mm	1010 x 1010 x 250
8226/1000	1000 l	1100 mm	1600 x 1250 x 250
8226/1300	1300 l	1100 mm	1800 x 1250 x 300
8226/2400	2400 l	1270 mm	2350 x 1400 x 380
8226/3000	3000 l	1430 mm	2450 x 1500 x 410
8226/5000	5000 l	1600 mm	3210 x 1750 x 475



Art. no. 8229

Petrol storage tank in painted steel, mounted in a wire protection cage, with spill containment pallet, hermetically sealed dome of \varnothing 300 mm with cover panel and counterflange of 10 mm wall thickness, refill tube and 2" – security valve.

The unit is equipped with a pneumatic, selfpriming rotary vane pump for the transfer of petrol, earth cable to enable an electrostatic discharge, pressure regulator, 3 m – rubber hose 3/4" with static wire and automatic dispensing nozzle.



Art. no. 8229



Art. no.	Capacity	Weight	Dimensions (LxWxH) (mm)
8229	258 l	155 kg	920 x 830 x 1200



Art. no. 3040

Mobile filtration unit for diesel, for the absorption of water and the filtration of possible impurities.

The unit is composed of:

- 2 – wheels trolley;
- electric pump 230 VAC / 50 Hz, max delivery 50 l/min;
- 30 – microns filter;
- Suction hose with pre-filter and foot valve;
- Manual diesel dispensing nozzle in aluminium;
- Dispensing hose.



Art. no. 6600 Art. no. 6603

Art. no. 6600

In-line filter for diesel and petrol with 30 microns – cartridge for the absorption of water that is eventually present in the storage tank.

Art. no. 6603

Replacement cartridge, 30 microns, for filter art. no. 6600.



Art. no. 3040

Art. no.	Voltage	Power	Delivery	Weight	Dimensions (LxWxH) (mm)
3040	230 VAC / 50 Hz	375 W	50 l/min	20 kg	410x420x910



Art. no. 3041

Mobile filtration unit for oils

The unit is composed of:

- 2 – wheels trolley;
- electric pump 230 VAC / 50 Hz, max delivery 11 l/min, art. no. 6122;
- 10 – microns filter;
- Suction hose with pre-filter and foot valve;
- Manual diesel dispensing nozzle in aluminium;
- Dispensing hose.



Art. no. 6607

Art. no. 6607

In-line filter for oil with 10 microns – cartridge for the absorption of water.

Art. no. 6608

Replacement cartridge, 10 microns, for filter art. no. 6607.



Art. no. 3041

Art. no.	Voltage	Power	Delivery	Weight	Dimensions (LxWxH) (mm)
3041	230 VAC / 50 Hz	750 W	11 l/min	20 kg	410x420x910



Art. no. **4350**

Trolley with 2 wheels and base, suitable for pails of 18 - 60 kg.



Art. no. **4350**

Art. no. **4379**

Cradle for the transport of 208 l - drums, including an arresting device.



Art. no. **4379**

Art. no. **4351**

Trolley with 2 wheels and tubular frame, suitable for pails of 20 - 25 kg.



Art. no. **4351**

Art. no. **4352**

Trolley with 2 wheels and tubular frame, suitable for pails of 50 - 60 kg.

Art. no. **4380**

Trolley with 2 wheels and two castors, standard version, suitable for 208 l - drums.



Art. no. **4380**

Art. no. **4360**

Trolley with 2 wheels and 2 castors, suitable for pails of 20 - 60 kg.



Art. no. **4360**

Art. no. **4389**

Trolley with 2 special rubber wheels and 2 swivelling rubber wheels with brakes, heavy duty version, provided for the use on rough surfaces, including spill containment base with steel grate. The trolley is also provided for the mounting of a hose reel.



Art. no. **4389**

Art. no. **4397**

Trolley in stainless steel AISI 304 with two wheels, provided for the mounting of manual, hand crank hose reels. Dimensions (LxWxH): 600 x 800 x 1250 mm. Weight: 13 kg.



Art. no. **4397**

Art. no. **4398**

Trolley in stainless steel AISI 304 with two wheels and two castors with brakes, provided for the mounting of manual, hand crank hose reels.

Dimensions (LxWxH): 700 x 900 x 1150 mm. Weight: 22 kg.



Art. no. **4398**

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1050	184	2043	40	2125	142	2710	66	2971	74	3125	250
1052	188	2043/L	40	2127	142	2712	66	2971MID	74	3126	250
1053	188	2044	40	2128	142	2735	182	2974MID	85	3127	250
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1081	185	2056	47	2166	180	2836	63	2991XB	77	3178	124
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1083	185	2058	46	2181	58	2852	159	2992	82	3180	133
1085	185	2061	42	2182	58	2853	67	2992MID	83	3182	132
1104	186	2061130	42	2183	182	2854	64	2993	76	3183	125
1106	186	2063	44	2185	58	2855	64	2994	84	3185	122
1107	59	2063130	44	2203	50	2859	159	2995	142	3185/20	122
1108	186	2064	44	2204	50	2860	159	2996	142	3185/110	122
1109	186	2064130	44	2205	50	2861	160	2997	142	3186	122
1110	186	2073	41	2210	137	2863	159	2998	142	3186/110	122
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1312	183	2076130	42	2218	49	2869	159	3018	136	3195	131
1313	183	2088	46	2250	91	287XX	242	3020	135	3198	131
187XX	243	2091	46	2253	181	288XX	242	3024	128	3199	137
189XX	243	2092	48	2256	181	289XX	242	3025	128	3244	123
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2025	42	2107/33	158	2301X	72	2914X	79	3095	134	3324/316	191
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FLEXBIMEC INTERNATIONAL s.r.l.
42020 ALBINEA (REGGIO EMILIA) - ITALY - Via Roma, 26
Tel. +39 0522 347330 - Fax +39 0522 347310
www.flexbimec.com
info@flexbimec.com