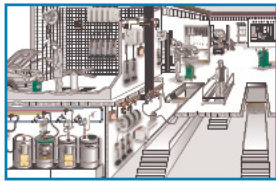


Oil pumps for transfer and distribution



EXAMPLE OF SYSTEM

page 68



OIL PUMPS FOR TRANSFER AND DISTRIBUTION

page 70



TROLLEY-MOUNTED - FIXED - MODULAR KITS

page 82



OIL BAR

page 92



DIGITAL METER - OIL HANDLE AND ACCESSORIES

page 94



Example of installation

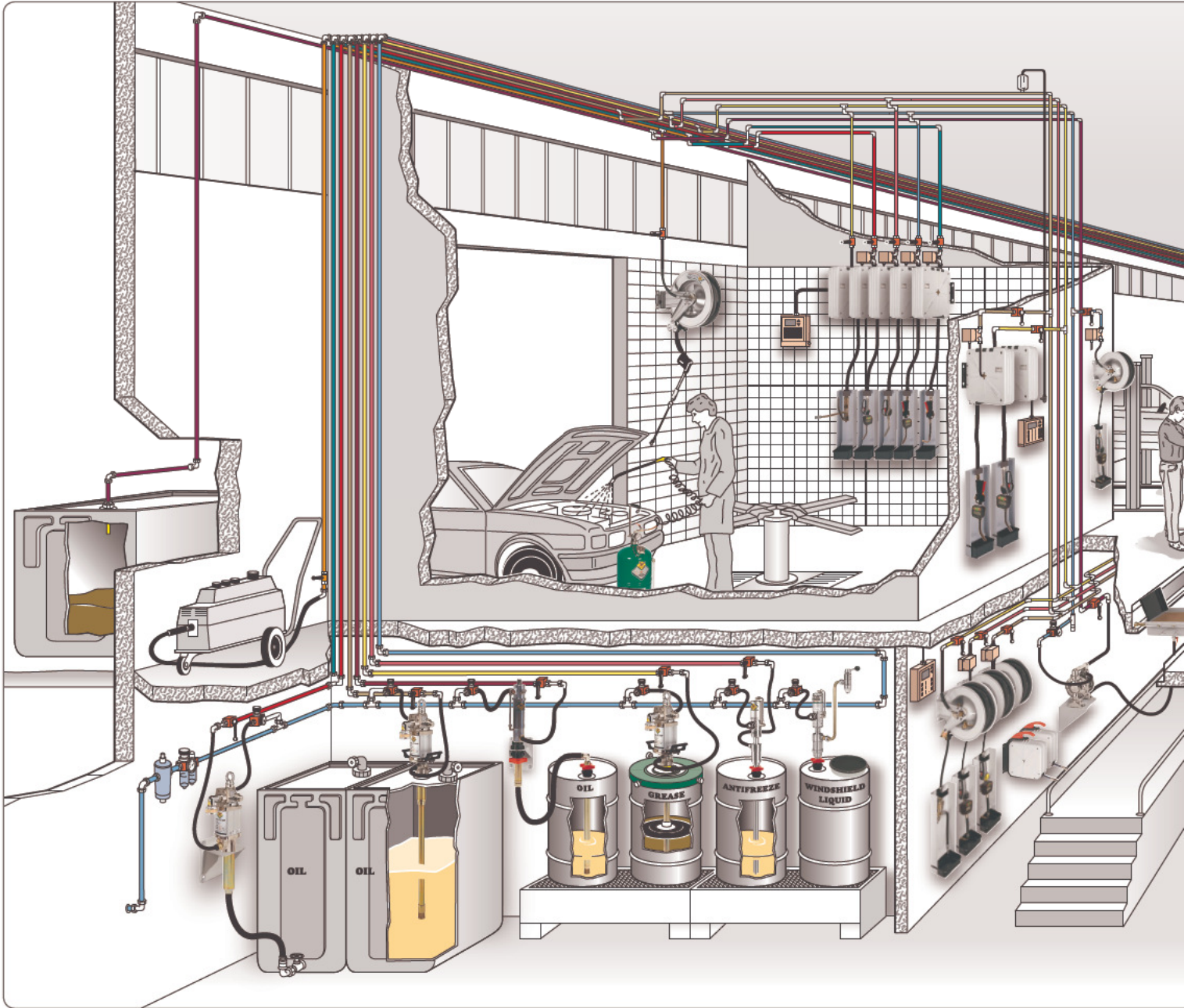
All distribution lines, for oil, grease and similar products, must be prepared with tubing (in steel, rubber ...) for high pressures, and must be smooth and seamless, with connections possibly having an inside diameter greater than the tube itself so as not to create any constrictions.

The tubing for an oil line must be capable of withstanding a minimum working pressure of 60 bar.

For grease installation the tubing must withstand a minimum working pressure of 600 bar.

Air and water tubing may be welded. For water, non corrosive pipework is recommended with min. pressure rating 8 - 10 bar.

For compressed air, 18 - 20 bar minimum pressure rating is recommended.



OIL

MOTOR OIL MAIN LINE

Tube characteristics:

- 0 - 15 m minimum inside diameter 3/4" (ø 19 mm)
- 16 - 50 m minimum inside diameter 1" (ø 25 mm)
- 51 - 100 m minimum inside diameter 1.1/4" (ø 30 mm)
- 101 - 200 m minimum inside diameter 1.1/2" (ø 38 mm)

Discharge: minimum inside diameter 3/4" (ø 19 mm)

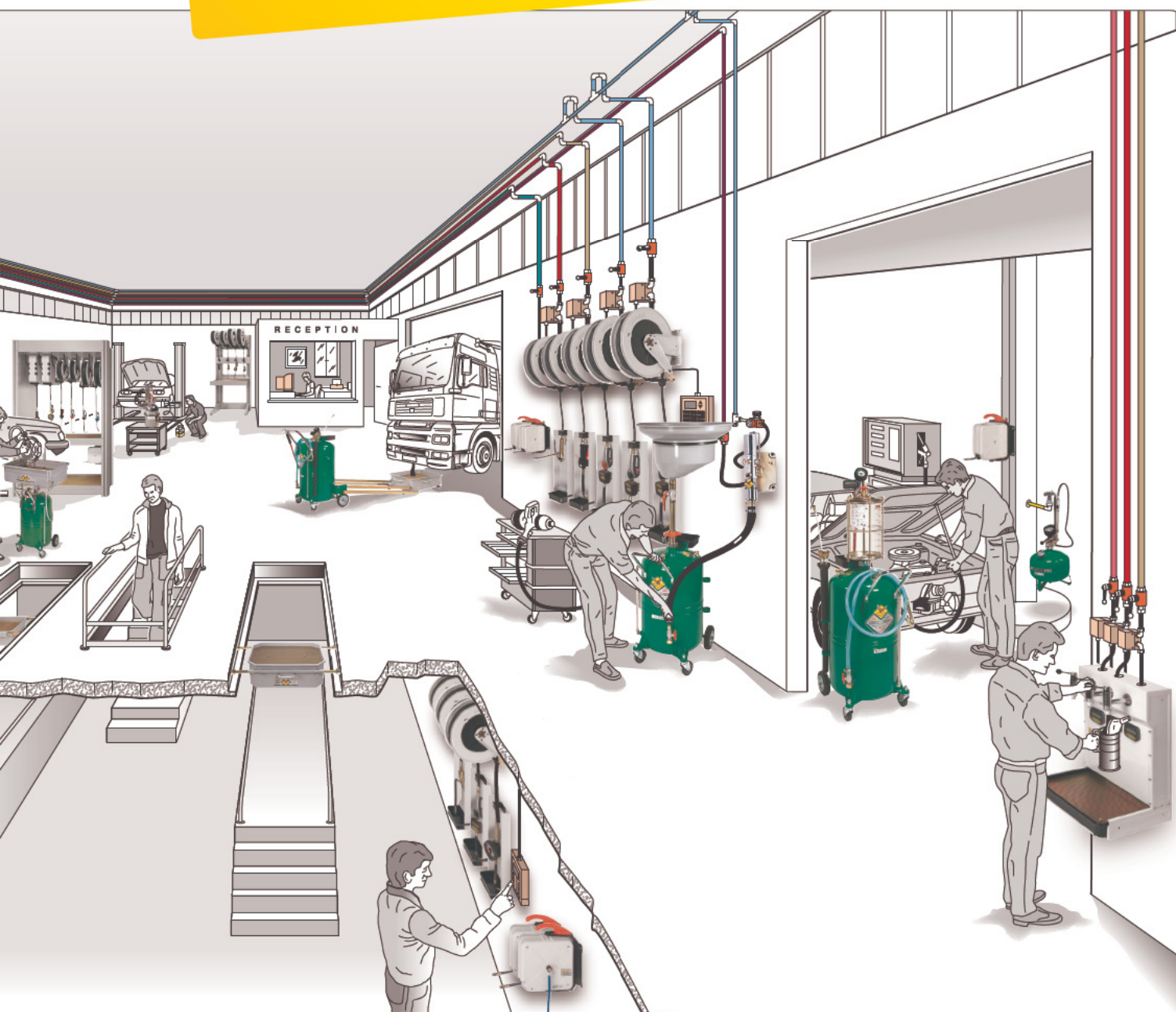
GEAR OIL MAIN LINE

Tube characteristics:

- 0 - 15 m minimum inside diameter 1" (ø 25 mm)
- 16 - 50 m minimum inside diameter 1.1/2" (ø 38 mm)
- 51 - 100 m minimum inside diameter 1.1/4" (ø 30 mm)
- 51 - 250 m minimum inside diameter 2" (ø 50 mm)

Discharge: minimum inside diameter 3/4" (ø 19 mm)

...in relation to the computerized control system of fluids and the managing of stock room, please refer to the specific catalogue **"FLUIDS CONTROL SYSTEM"**



GREASE - WATER - AIR

GREASE MAIN LINE

Tube characteristics:
0 - 200 m minimum inside diameter 1/2" (ø 15 mm)

Discharge: minimum inside diameter 3/8" (ø 10 mm)

AIR AND WATER MAIN LINE

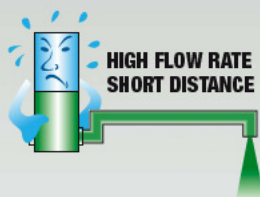
Tube characteristics:
0 - 30 m minimum inside diameter 1" (ø 25 mm)
31 - 300 m minimum inside diameter 1.1/2" (ø 38 mm)

Discharge: minimum inside diameter 3/4" (ø 19 mm)



Air-operated pumps for TRANSFER

Ratio 1:1 Flow rate 35 l/min



Air-operated pumps for short and medium-distance transfer.

Ideal for transferring low-medium viscosity fluids such as: oils, lubricants and similar products. The wall-mounted version of these pumps, mounted on wall or in a fixed position by means of the special accessories (refer to page 107), enables numerous uses through the application of modular extensions (refer to page 112).

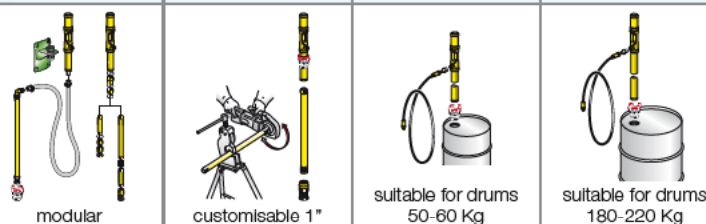


series 500

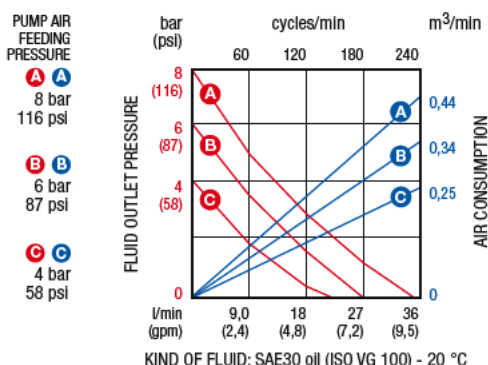
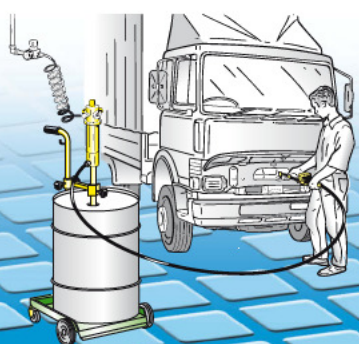
Article with seals in	NBR				
Article with seals in	VITON	26090	26091	26093	26094
Article with seals in	TEFLON				

Compatible fluids		Oils, lubricants and similar				
Suction tube upper body		Aluminium				
Suction tube		Carbon steel				
Air inlet connection	bsp	F 1/4" G	F 1/4" G	F 1/4" G	F 1/4" G	
Fluid outlet connection	bsp	F 3/4" G	F 3/4" G	F 3/4" G	F 3/4" G	
Air working pressure	bar	6 - 8	6 - 8	6 - 8	6 - 8	
Average air consumption	l/min	250	250	250	250	
Noise level	dB	81	81	81	81	
Max deliverable oil viscosity	SAE	80	80	80	80	
Bung adaptor		-	standard	standard	standard	

Suitable for drums or tanks

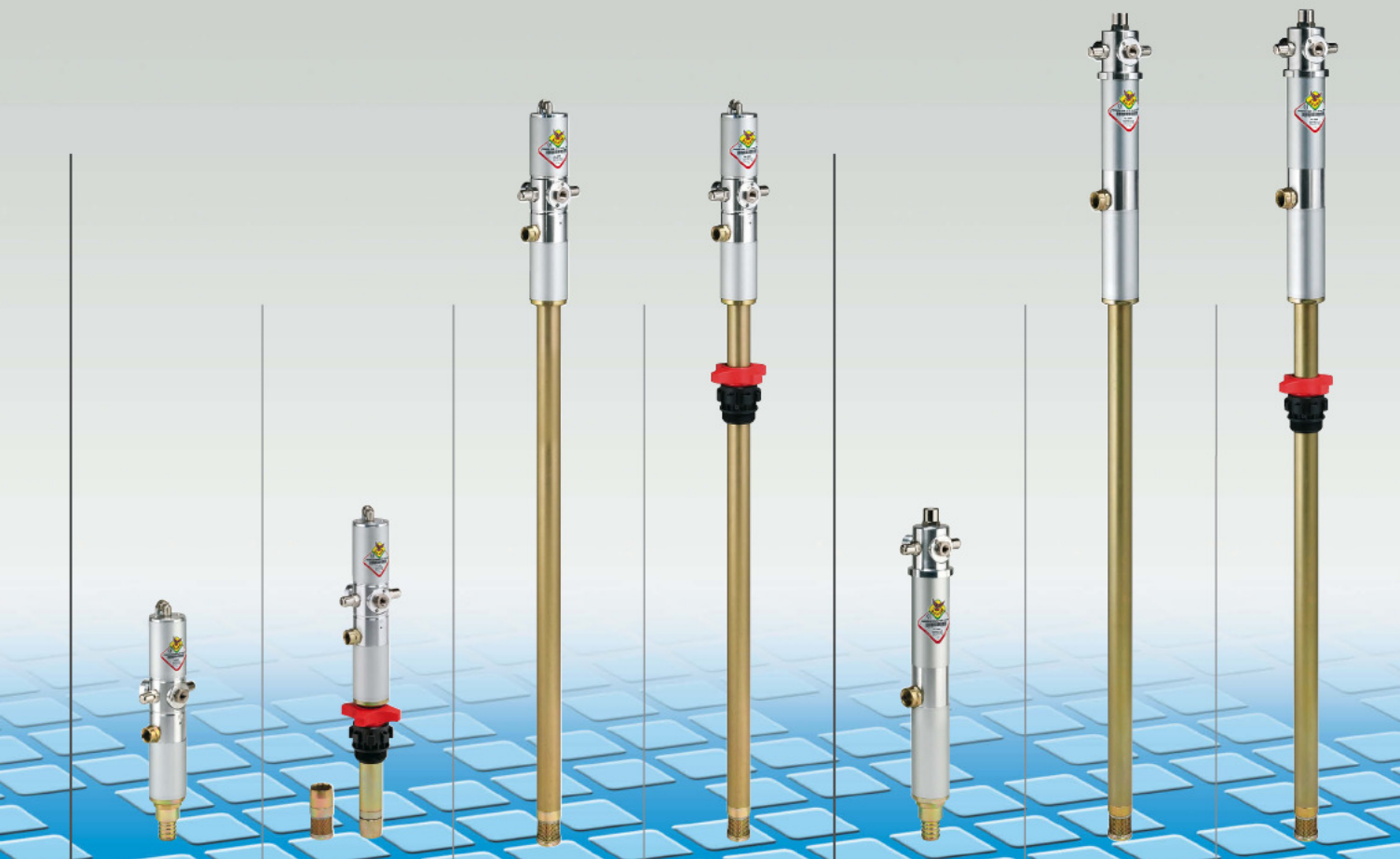


Packing	N° - m³	1 - 0,010	1 - 0,010	1 - 0,020	1 - 0,020
Weight	Kg	5,5	6	7,2	7,2
Dimensions (A - B - C)	cm	33,2 - 20,8 - 5	33,2 - 16,8 - 5	33,2 - 74 - 5	33,2 - 94 - 5



Ratio 1:1 Flow rate 23 l/min

Ratio 1:1 Flow rate 40 l/min



series 600

serie 650

33080	33081	33082	33083			
33070	33071	33072	33073	33170	33172	33173
33060	33061	33094	33096	33160	33194	33196

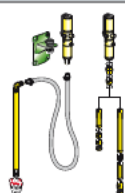
Oils, lubricants and similar

Oils, lubricants and similar

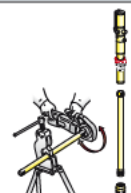
Aluminium
Carbon steel

Aluminium
Carbon steel

F 1/4" G	F 1/4" G	F 1/4" G	F 1/4" G	F 1/4" G	F 1/4" G	F 1/4" G
F 1/2" G	F 1/2" G	F 1/2" G	F 1/2" G	F 3/4" G	F 3/4" G	F 3/4" G
6 - 8	6 - 8	6 - 8	6 - 8	6 - 8	6 - 8	6 - 8
230	230	230	230	370	370	370
81	81	81	81	81	81	81
80	80	80	80	130	130	130
-	standard	-	standard	-	-	standard



modular



customisable 1"



suitable for drums
180-220 Kg



suitable for drums
180-220 Kg



modular

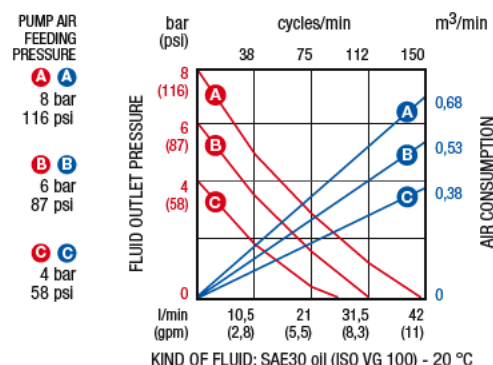
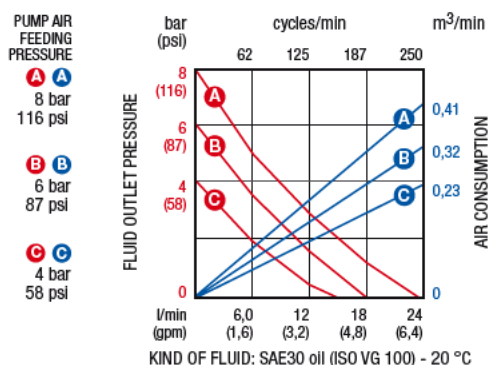


suitable for drums
180-220 Kg



suitable for drums
180-220 Kg

1 - 0,006	1 - 0,006	1 - 0,020	1 - 0,020	1 - 0,010	1 - 0,020	1 - 0,020
4,3	5	6,2	6,3	5,3	7,3	7,4
35,5 - 0 - 0	35,5 - 22 - 4,2	35,5 - 94 - 4,2	35,5 - 94 - 4,2	50,5 - 0 - 0	50,5 - 94 - 4,2	50,5 - 94 - 4,2



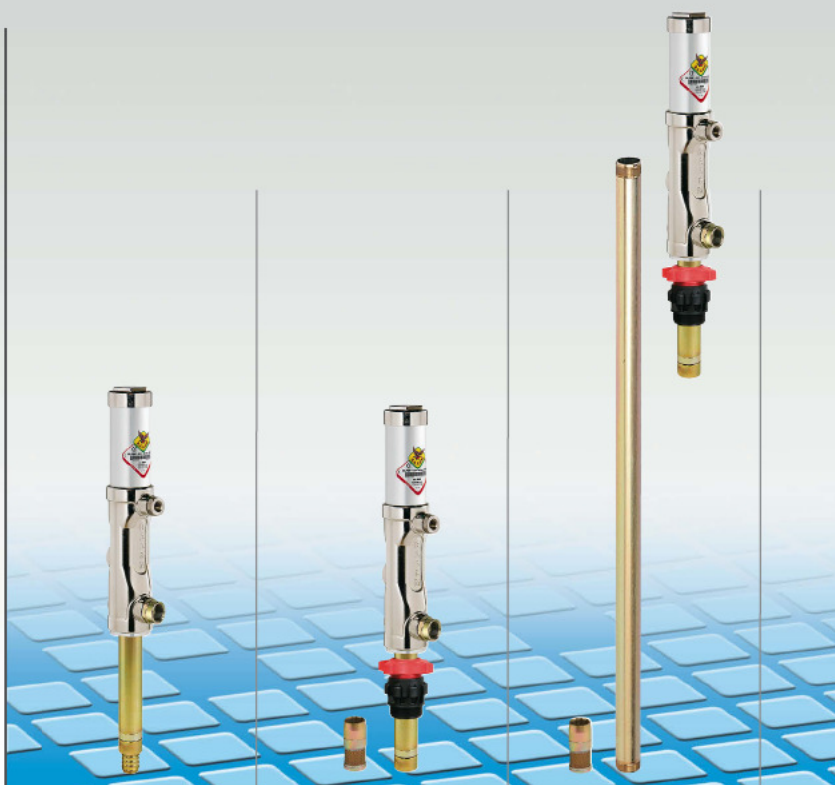


Air-operated pumps for DISTRIBUTION

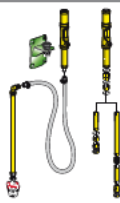
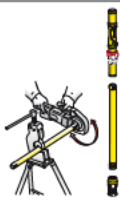
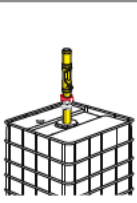
Ratio **3:1** Flow rate **20 l/min**

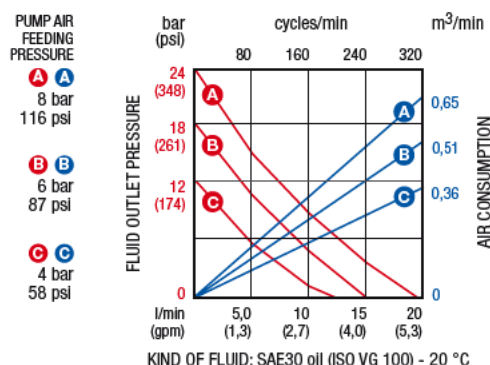


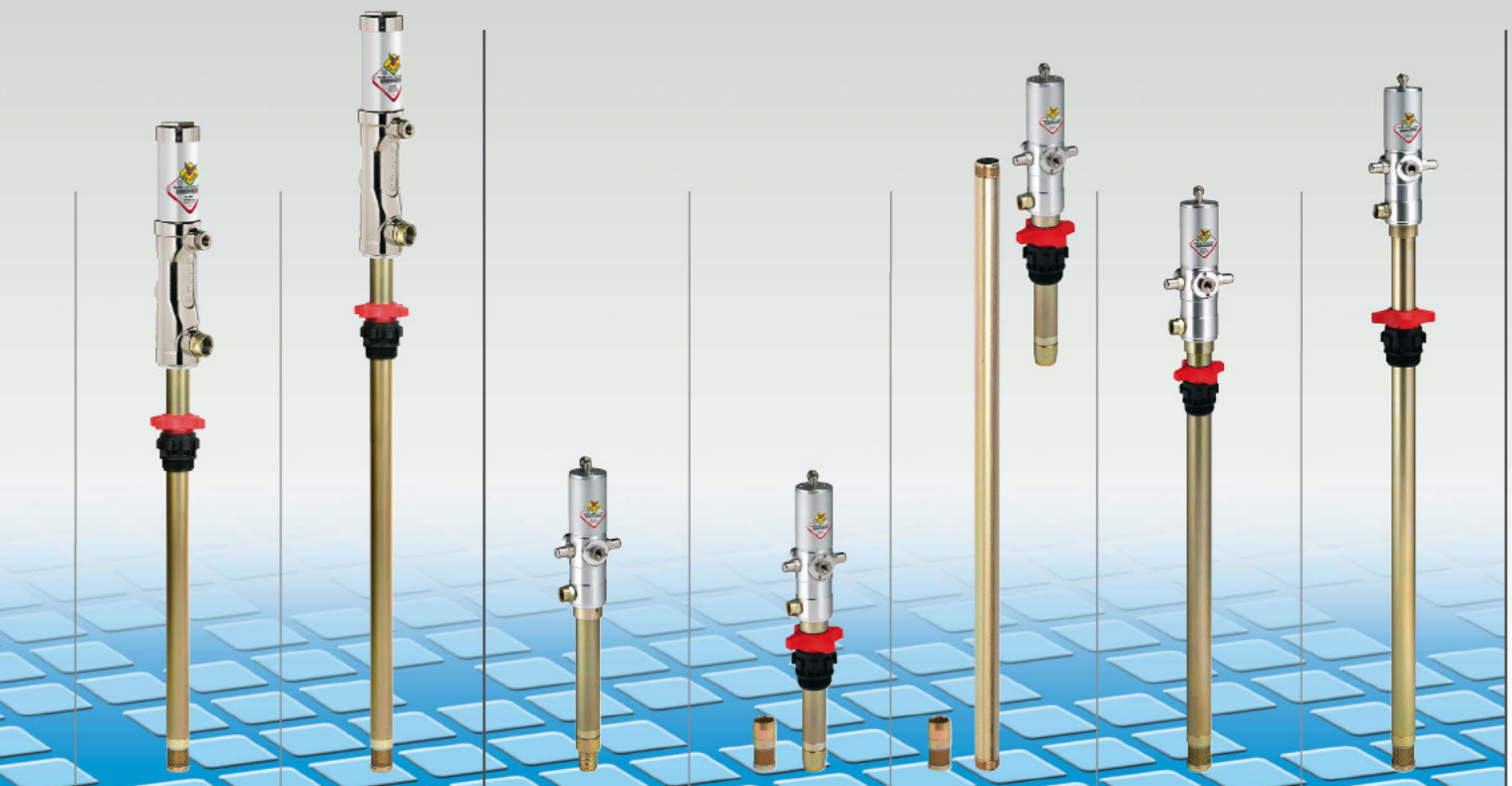
Air-operated pumps series 500 and 600 for medium distance distribution. Ideal for transferring low-medium viscosity fluids such as: oils, lubricants and similar products. Suitable for mobile unit or fixed installation. The wall-mounted version of these pumps, mounted on wall or in a fixed position by means of the special accessories (refer to page 107), enables numerous uses through the application of modular extensions (refer to page 112).



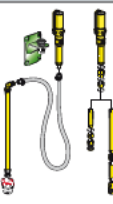

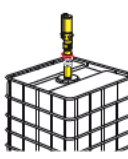




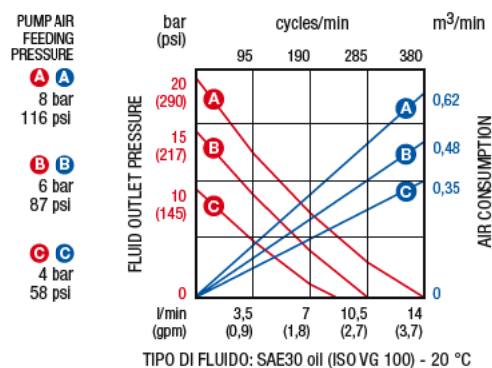
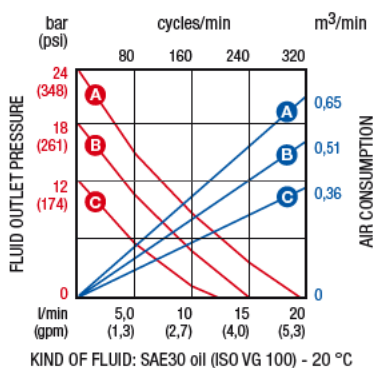
series 500

Article with seals in	NBR			
Article with seals in	NBR			
Article with seals in	VITON	35060	35061	35063
Compatible fluids		Oils, lubricants and similar		
Suction tube upper body		Aluminium		
Suction tube		Carbon steel		
Air inlet connection	bsp	F 1/4" G	F 1/4" G	F 1/4" G
Fluid outlet connection	bsp	F 1/2" G	F 1/2" G	F 1/2" G
Air working pressure	bar	4 - 8	4 - 8	4 - 8
Average air consumption	l/min	350	350	350
Noise level	dB	81	81	81
Max deliverable oil viscosity	SAE	130	130	130
Bung adaptor		-	standard	standard
Suitable for drums or tank		 modular	 customisable 1"	 tank
Packing	N° - m ³	1 - 0,01	1 - 0,01	1 - 0,01
Weight	Kg	5,35	5,8	5,8
Dimensions (A - B - C)	cm	33,2 - 20 - 3,2	33,2 - 18,5 - 3,2	33,2 - 125 - 3,2





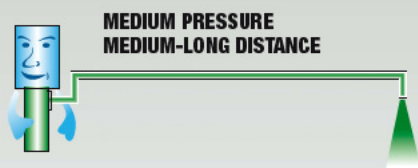
series 500		series 600				
		35160	35161	35163	35173	35194
					35176	35196
35076	35094					
Oils, lubricants and similar		Oils, lubricants and similar				
Aluminium		Aluminium				
Carbon steel		Carbon steel				
F 1/4" G	F 1/4" G	F 1/4" G	F 1/4" G	F 1/4" G	F 1/4" G	F 1/4" G
F 1/2" G	F 1/2" G	F 1/2" G	F 1/2" G	F 1/2" G	F 1/2" G	F 1/2" G
4 - 8	4 - 8	6 - 8	6 - 8	6 - 8	6 - 8	6 - 8
350	350	330	330	330	330	330
81	81	81	81	81	81	81
130	130	130	130	130	130	130
standard	standard	-	standard	standard	standard on 35176	standard on 35196
						
suitable for drums 50-60 Kg	suitable for drums 180-220 Kg	modular	customisable 1"	tank	suitable for drums 50-60 Kg	suitable for drums 180-220 Kg
1 - 0,01	1 - 0,01	1 - 0,01	1 - 0,01	1 - 0,02	1 - 0,020	1 - 0,020
5,8	6,5	4,4	5,0	6,8	5,8	6,5
33,2 - 74 - 3,2	33,2 - 94 - 3,2	28,5 - 28,5 - 4,2	28,5 - 22 - 4,2	28,5 - 125 - 4,2	28,5 - 74 - 4,2	28,5 - 94 - 4,2





Air-operated pumps for DISTRIBUTION

Ratio **5:1** Flow rate **18 l/min**



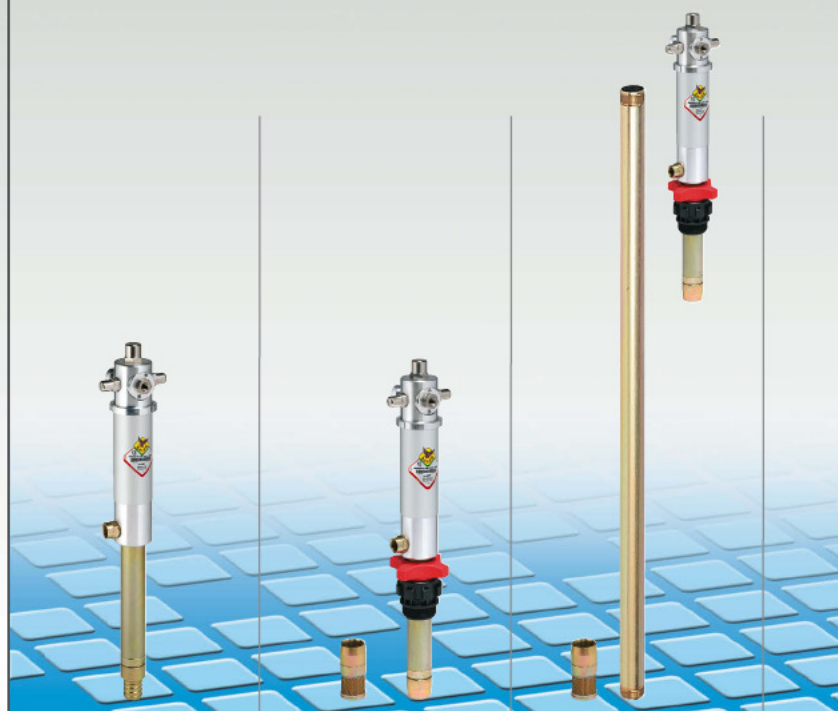
Series 650 air-operated double-acting pumps for medium distance oil distribution. Ideal for also distributing high viscosity oil. The double action guarantees the delivery of a continuous and constant flow, ideal for all installations, excellent for centralised distribution systems. The wall-mounted version of these pumps, mounted on wall or in a fixed position by means of the special accessories (refer to page 107), enables numerous uses through the application of modular extensions (refer to page 112).

Article with seals in **NBR**
Article with seals in **NBR**

Compatible fluids	
Suction tube upper body	
Suction tube	
Air inlet connection	bsp
Fluid outlet connection	bsp
Air working pressure	bar
Average air consumption	l/min
Noise level	dB
Max deliverable oil viscosity	SAE
Bung adaptor	

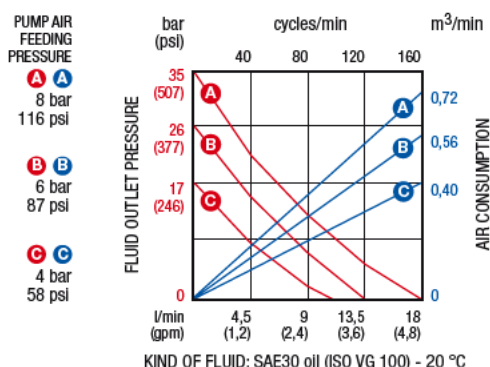
Suitable for drums or tanks

Packing	N° - m ³
Weight	Kg
Dimensions (A - B - C)	



series **650**

Article with seals in	36060	36061	36063
Article with seals in			
Compatible fluids	Medium/high-viscosity oil		
Suction tube upper body	Aluminium		
Suction tube	Carbon steel		
Air inlet connection	F 1/4" G	F 1/4" G	F 1/4" G
Fluid outlet connection	F 1/2" G	F 1/2" G	F 1/2" G
Air working pressure	6 - 8	6 - 8	6 - 8
Average air consumption	350	350	350
Noise level	81	81	81
Max deliverable oil viscosity	240	240	240
Bung adaptor	-	standard	standard
	modular	customisable 1"	tank
Packing	1 - 0,01	1 - 0,01	1 - 0,02
Weight	4,7	5,2	7,2
Dimensions (A - B - C)		34,5 - 27 - 4,2	34,5 - 125 - 4,2



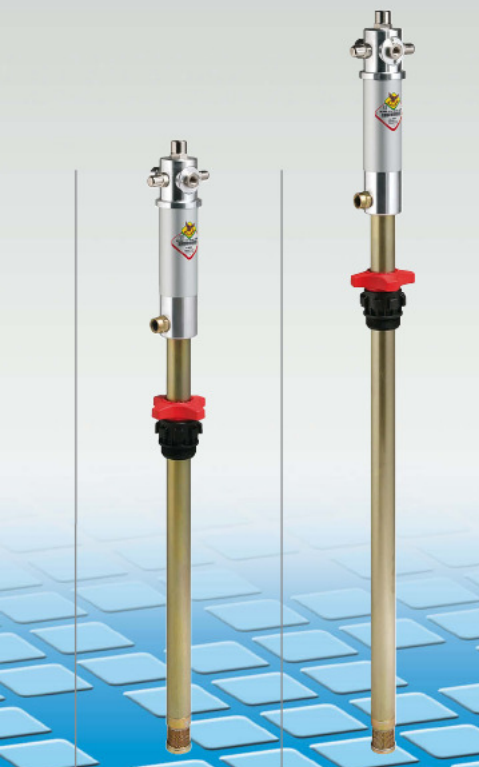
Advantages of double-action

There are many technical solutions for obtaining a reciprocating double-acting pump.

The double-action of RAASM pumps is obtained with solutions that have simplified the pump mechanism itself, ensuring that delivery of the fluid in both alternating movements (upstroke and downstroke) of the pump occurs only through the difference in volume between the diameters of the pumping piston (A) and the pump shaft (B).

On the upstroke, delivery is caused by the pumping piston (A).

On the downstroke it is caused by the difference in volume between the diameter of the motor shaft (B) and the diameter of the pumping piston (A).



series 650

36073

36094

36076

36096

Medium/high-viscosity oil

Aluminium

Carbon steel

F 1/4" G

F 1/4" G

F 1/2" G

F 1/2" G

6 - 8

6 - 8

350

350

81

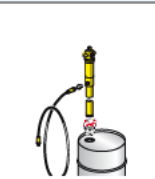
81

240

240

standard on 36076

standard on 36096



suitable for drums
50-60 Kg

1 - 0,02

6,2

34,5 - 74 - 4,2

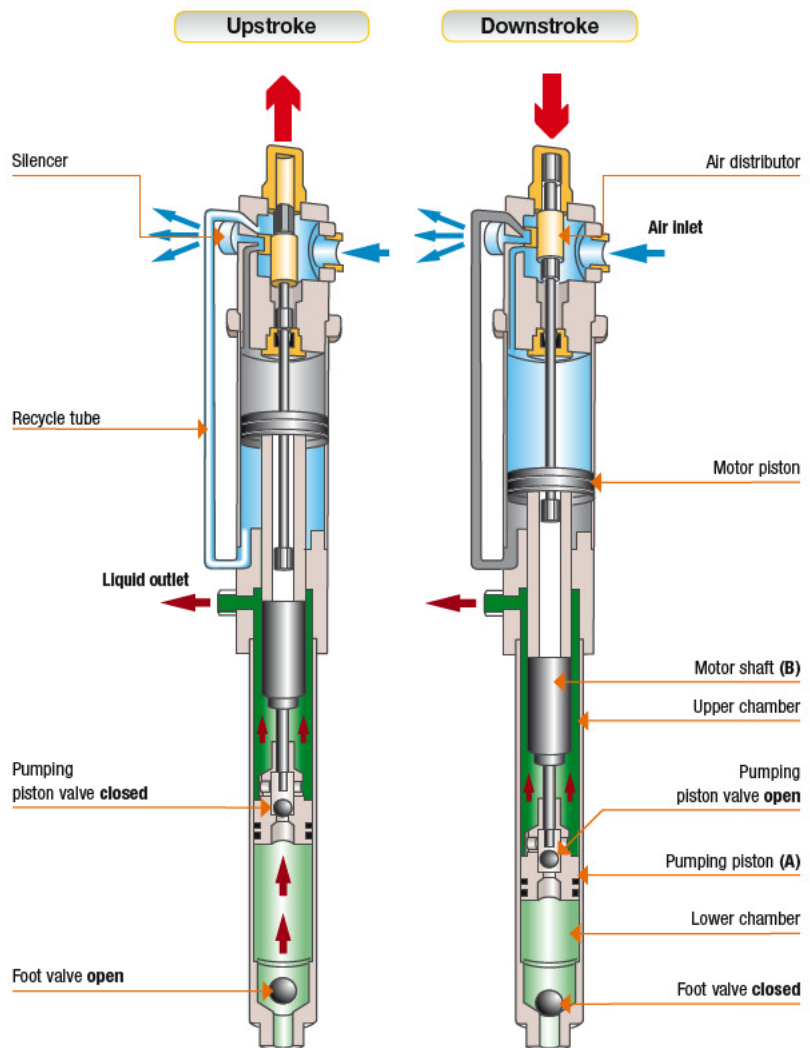
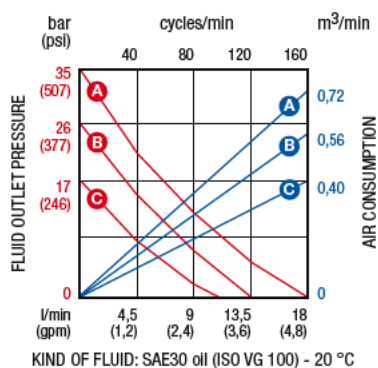


suitable for drums
180-220 Kg

1 - 0,02

6,8

34,5 - 94 - 4,2

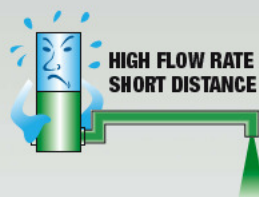


In addition to guaranteeing regular delivery of the fluid, this solution offers the further advantage of having fewer parts inside the pump. This means less wear plus greater and longer reliability.



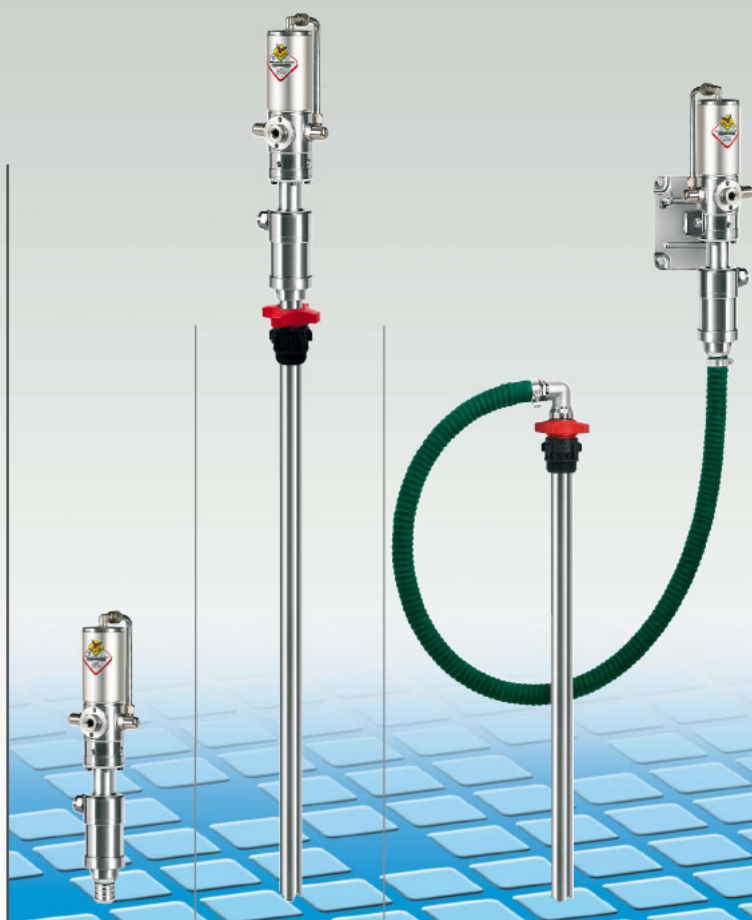
Stainless steel AISI 304 pumps for TRANSFER

Ratio 1:1 Flow rate 30 l/min



HIGH FLOW RATE
SHORT DISTANCE

**Stainless steel AISI 304
air-operated pumps for
short-medium distance transfer.**
Ideal for transferring low-medium
viscosity fluids such as: antifreeze
liquid, windshield washing liquid
and chemical products.



series 600 INOX

Article with seals in	VITON	33360	33396	33300
Compatible fluids		Suitable for antifreeze and windshield washing liquid		
Suction tube lower body		Stainless steel AISI 304		
Suction tube		Stainless steel AISI 304		
Air inlet connection	bsp	F 1/4" G	F 1/4" G	-
Fluid outlet connection	bsp	F 1/2" G	F 1/2" G	-
Air working pressure	bar	6 - 8	6 - 8	-
Average air consumption	l/min	370	370	-
Noise level	dB	81	81	-
Max deliverable oil viscosity	SAE	50	50	-
Bung adaptor		-	standard	33434
Suitable for drums or tanks				
		modular	suitable for drums 180-220 Kg	modular
Packing	N° - m³	1 - 0,10	1 - 0,020	1 - 0,29
Weight	Kg	5,3	7,4	11,4
Dimensions (A - B - C)	cm	41 - 0 - 0	41 - 94 - 3,4	41 - 94 - 3,4

Art. 33440
**Gun for antifreeze and
windshield liquid**
applicable to kit Art. 33300
equipped with:
- inlet joint F 1/2"
- stainless steel rigid terminal
with free outlet

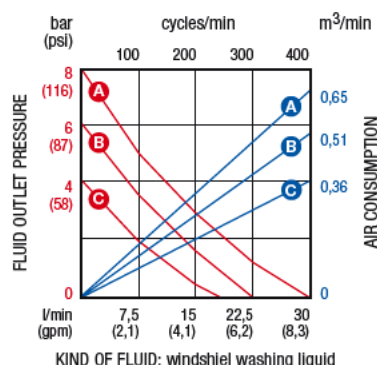


PUMP AIR
FEEDING
PRESSURE

A A
8 bar
116 psi

B B
6 bar
87 psi

C C
4 bar
58 psi



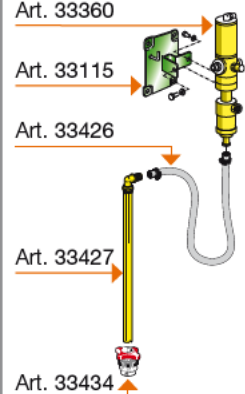
Art. 33360

Art. 33115

Art. 33426

Art. 33427

Art. 33434

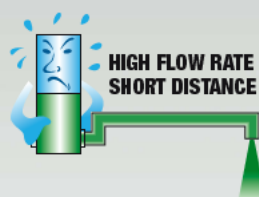




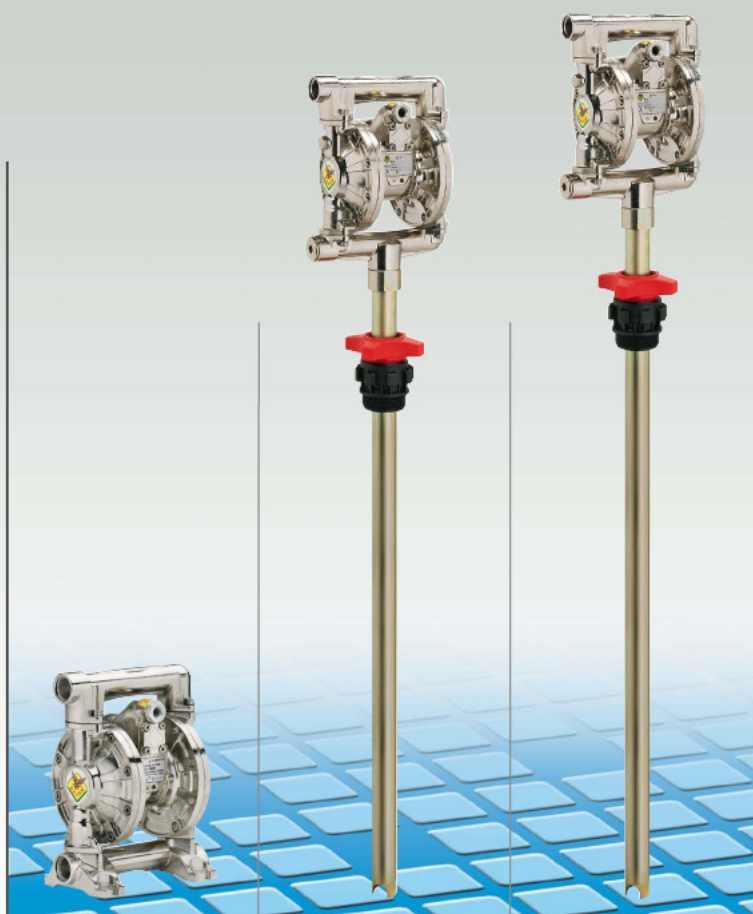
DIAPHRAGM Pumps

S. 340-AB



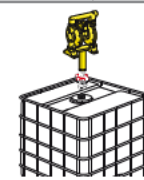



in aluminium

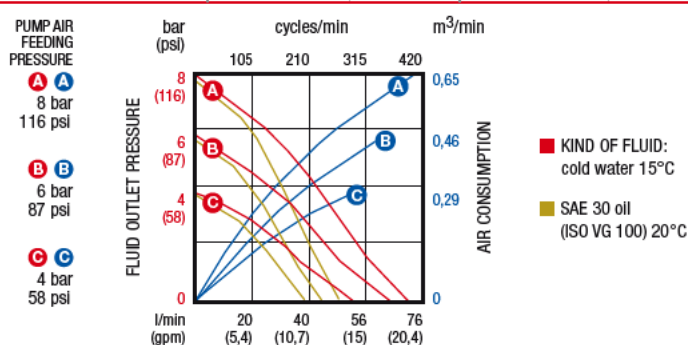
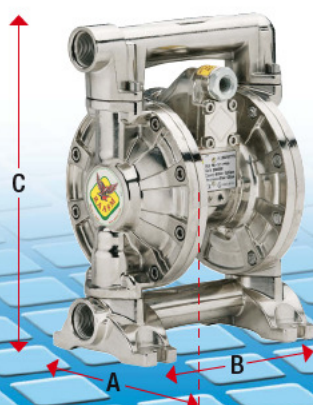


The transfer diaphragm pumps, specific for oil and similar products in die-cast aluminium, with high-quality components, ensure lasting and reliable operation even in extreme conditions. Ideal for transferring fluids even in the presence of suspended solids.



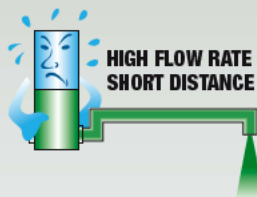
series **340-AB**

Article with membrane in NBR High Nitrile		33/2011NHHV2	33500	33505
Compatible fluids		Water, mineral-vegetable oils, diesel oil		
Pump material		Aluminium		
Ball valve material		Hytrel		
Air inlet connection	bsp	F 3/8" G	F 3/8" G	F 3/8" G
Fluid inlet-outlet connection	bsp	F 3/4" x F 3/4" G	suction tube ø 34 mm - F 3/4" G	suction tube ø 34 mm - F 3/4" G
Air working pressure	bar	2 - 6	2 - 6	2 - 6
Air max pressure	bar	8	8	8
Average air consumption	l/min	500	500	500
Noise level	dB	75	75	75
Fluid temperature	°C	-10 +90	-10 +90	-10 +90
Max solids diameter	mm	ø 1,5	ø 1,5	ø 1,5
Suitable for drums or tanks		 modular	 suitable for drums 180-220 Kg	 tank
Suction-delivery ball valve with spring				
Packing	N° - m ³	1 - 0,015	2 - 0,040	2 - 0,040
Weight	Kg	8	10	11
Dimensions (A - B - C)	cm	16 - 20 - 25,6	16 - 20 - 25,6	16 - 20 - 25,6
Suction tube length and ø	cm	-	94x3,4	124x3,4





DIAPHRAGM Pumps S. 1000-AB - 1140-AB in aluminium



HIGH FLOW RATE
SHORT DISTANCE

The transfer diaphragm pumps, specific for oil and similar products in die-cast aluminium, with high-quality components, ensure lasting and reliable operation even in extreme conditions. Ideal for transferring fluids even in the presence of suspended solids.



series **1000-AB**

33/2611NHHV2



series **1140-AB**

33/3011NHHV2

Article with membrane in **NBR High Nitrile**

Compatible fluids

Water, mineral-vegetable oils,
diesel oil

Water, mineral-vegetable oils,
diesel oil

Pump material

Aluminium

Aluminium

Ball valve material

Hytrel

Hytrel

Air inlet connection

bsp

F 3/8" G

F 3/4" G

Fluid inlet-outlet connection

bsp

F 1.1/4" x F 1" G

F 1.1/4" x F 1.1/4" G

Air working pressure

bar

2 - 6

2 - 6

Air max pressure

bar

8

8

Average air consumption

l/min

1200

1400

Noise level

dB

75

75

Fluid temperature

°C

-10 +90

-10 +90

Max solids diameter

mm

ø 3

ø 3

Suction-delivery ball valve
with spring



Packing



N° - m³

1 - 0,025

1 - 0,041

Weight



Kg

14

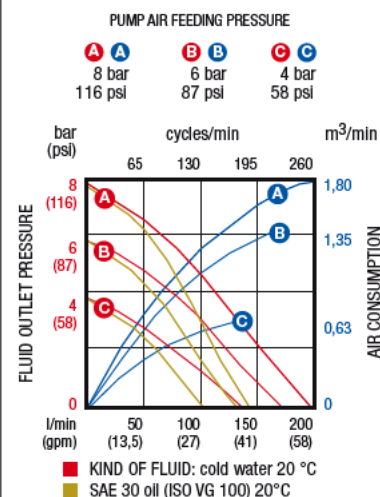
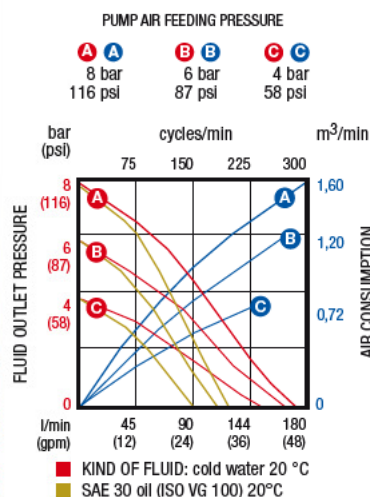
16

Dimensions (A - B - C)

cm

20 - 26 - 34,5

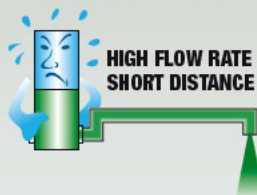
23,8 - 28,6 - 38,6



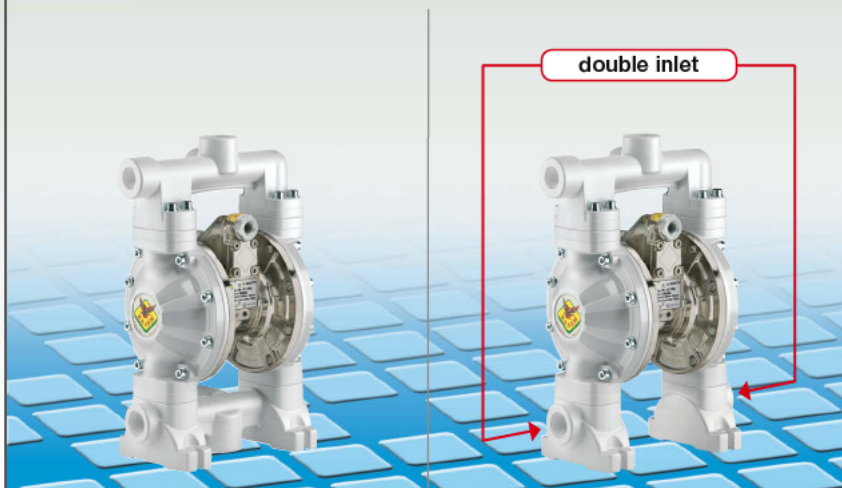




DIAPHRAGM Pumps S. 120-PB

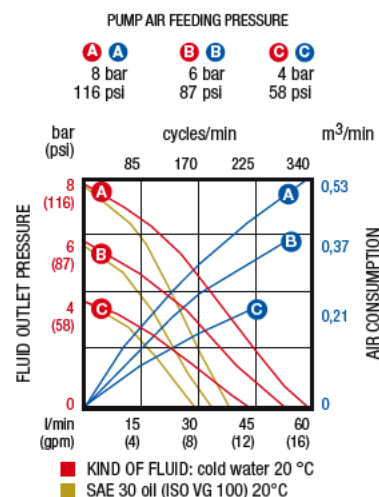
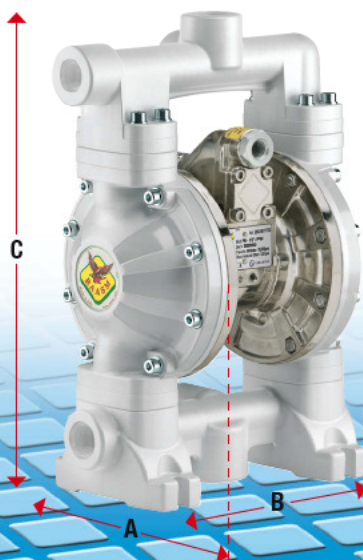
in polypropylene



Diaphragm pumps are used in different kind of application. They can be installed on wall brackets, on trailers, on moving machines, on drums, on big reservoirs and in many other places. Ideal for transferring fluids even in the presence of suspended solids. Double inlet version is suitable to mix together two different kind of liquids i. e. water and antifreeze.



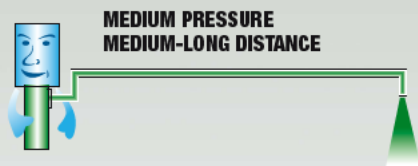
Article with membrane NBR High Nitrile		series 120-PB		series 120-PB	
Article with membrane PTFE					
Compatible fluids		2B3/16117NH22		2B8/16117NH22	
Motor and inside flanges material		Aluminium		Aluminium	
Wetted parts		Polypropylene		Polypropylene	
Ball valve material		Hytrel		Hytrel	
Air inlet connection		bsp F 3/8" G		bsp F 3/8" G	
Fluid inlet-outlet connection		bsp F 3/4" x F 1/2" G		bsp F 3/4" x F 1/2" G	
Air working pressure		bar 2 - 6		bar 2 - 6	
Air max pressure		bar 8		bar 8	
Average air consumption		l/min 400		l/min 400	
Noise level		dB 75		dB 75	
Fluid temperature		°C -10 +65		°C -10 +65	
Max solids diameter		mm ø 1,5		mm ø 1,5	
Suction-delivery ball valve with spring					
Packing		N° - m ³ 1 - 0,015		N° - m ³ 1 - 0,015	
Weight		Kg 7,5		Kg 7	
Dimensions (A - B - C)		cm 17,8 - 21,8 - 32,6		cm 17,8 - 22 - 32,6	





Air-operated pumps for DISTRIBUTION

Ratio **5:1** Flow rate **45 l/min**



Series 900 industrial air-operated double-acting pumps for distribution.
Suitable for transferring oils, lubricants and similar products also with very high viscosity. The double action guarantees the delivery of a continuous and constant flow, ideal for all needs. Particularly effective in systems equipped with several distribution points.



series 900

90C/51

Article with seals in **PU**

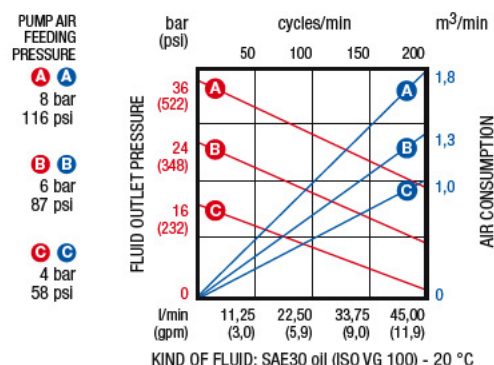
Compatible fluids		Oils, lubricants and similar
Suction tube upper body		Aluminium
Suction tube		Carbon steel
Air inlet connection	bsp	F 1/2"
Fluid outlet connection	bsp	F 3/4"
Air max pressure	bar	8
Max air consumption 8 bar	m ³ /min	1,6
Noise level	dB	80

Suitable for drums or tanks



modular

Packing	N° - m ³	1 - 0,040
Weight	Kg	12
Dimensions (A - B - C)	cm	43 - 23 - 6,2



Ratio **7:1** Flow rate **30 l/min**

Ratio **11:1** Flow rate **30 l/min**



series 900

series 900

90C/71

91C/71

92C/71

90C/111

91C/111

92C/111

Oils, lubricants and similar

Oils, lubricants and grease

Aluminium

Aluminium

Carbon steel

Carbon steel

F 1/2"

F 1/2"

F 1/2"

F 1/2"

F 1/2"

F 1/4"

F 3/4"

F 3/4"

F 3/4"

F 3/4"

F 3/4"

F 3/4"

8

8

8

8

8

8

1,6

1,6

1,6

1,7

1,7

1,7

80

80

80

80

80

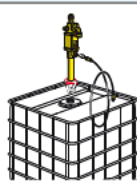
80



modular



suitable for drums
180-220 Kg



tank



modular



suitable for drums
180-220 Kg



suitable for drums
50-60 Kg

1 - 0,040

1 - 0,070

1 - 0,080

1 - 0,040

1 - 0,070

1 - 0,070

11

13

15

11

16

15

43 - 27 - 5,3

43 - 94 - 5,3

43 - 126 - 5,3

43 - 27 - 4,5

43 - 94 - 4,5

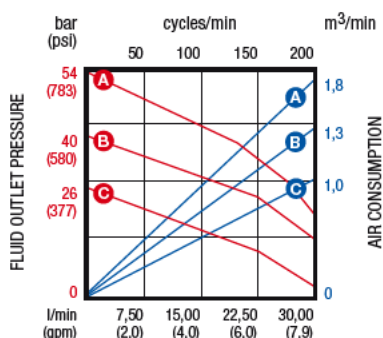
43 - 74 - 4,5

PUMP AIR
FEEDING
PRESSURE

A **A**
8 bar
116 psi

B **B**
6 bar
87 psi

C **C**
4 bar
58 psi



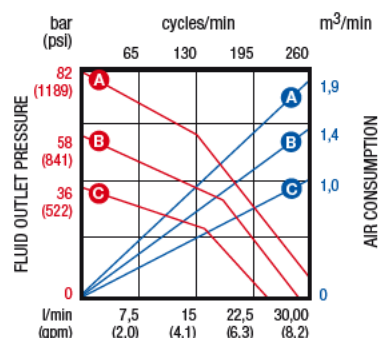
KIND OF FLUID: SAE30 oil (ISO VG 100) - 20 °C

PUMP AIR
FEEDING
PRESSURE

A **A**
8 bar
116 psi

B **B**
6 bar
87 psi

C **C**
4 bar
58 psi



KIND OF FLUID: SAE30 oil (ISO VG 100) - 20 °C

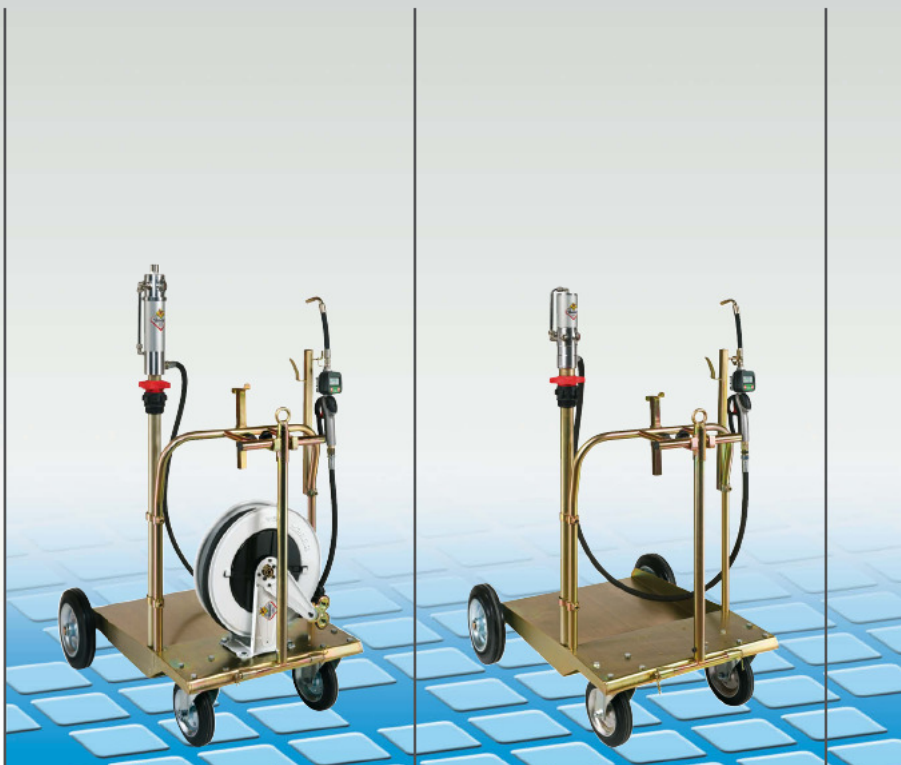


Mobile oil DISPENSER unit

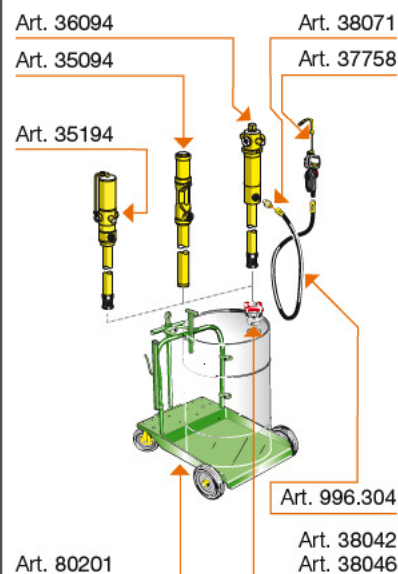
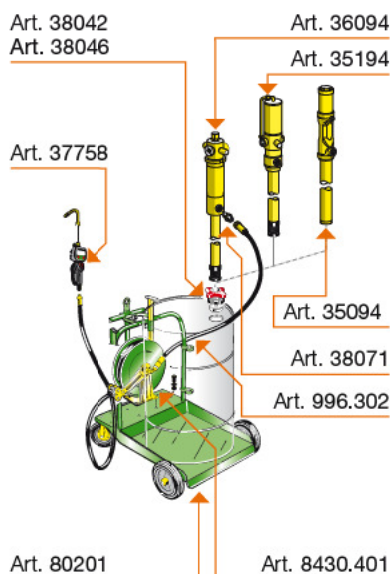
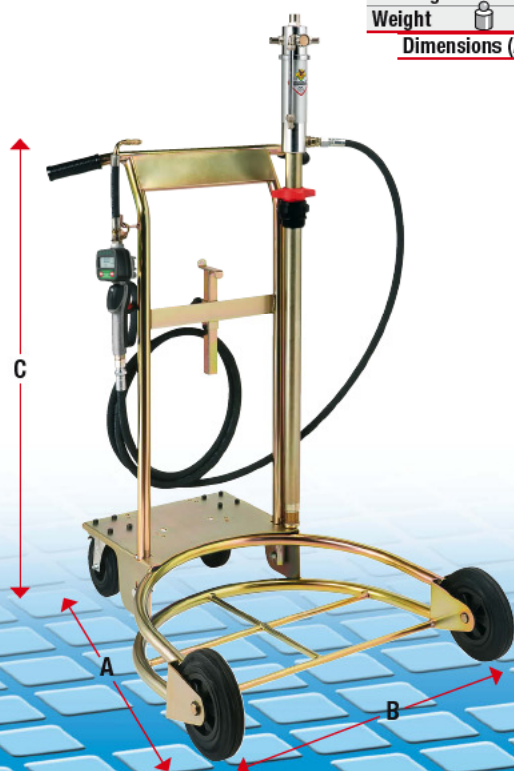
trolley super
for drums 180-220 kg

Mobile oil dispenser unit.

The ideal combination for dispensing oil in any workplace. The very easy to handle trolley is equipped with a drum (180 - 220 kg) clamping device, adjustable side support for stowing accessories, wheel with brake. The unit comes with a handy hose reel with 10 m of hose, and digital hose end meter.



Article	35201	35200	37100	35209	35210	37150
Ratio	3:1	3:1	5:1	3:1	3:1	5:1
Flow rate	20 l/min	14	18	20	14	18
Pump	Art. 35094	35194	36094	35094	35194	36094
Trolley	Art. 80201	80201	80201	80201	80201	80201
Hose reel	Art. 8430.401	8430.401	8430.401	-	-	-
Bung adaptor	Art. 38046	38042	38042	38046	38042	38042
Nipple	Art. 38071	38071	38071	38071	38071	38071
Digital metering gun	Art. 37758	37758	37758	37758	37758	37758
Hose	Art. 996.302	996.302	996.302	996.304	996.304	996.304
Packing	N° - m³					
Weight	kg					
Dimensions (A - B - C) cm	93 - 81 - 143	93 - 81 - 138,5	93 - 81 - 144,5	93 - 81 - 143	93 - 81 - 138,5	93 - 81 - 144,5

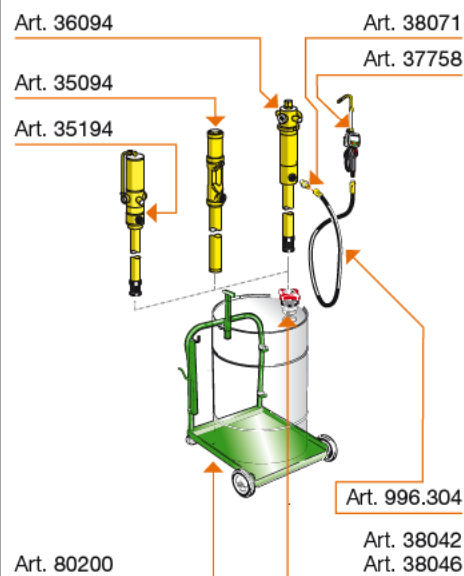
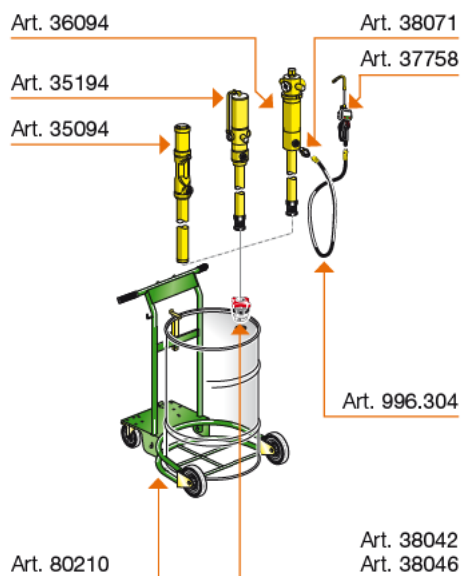
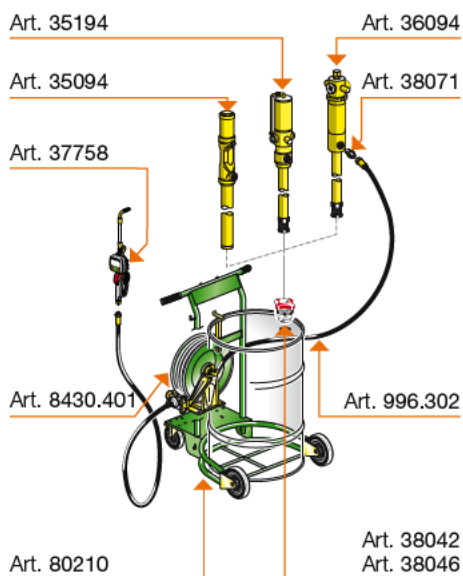


trolley standard
for drums 180-220 kg

trolley light
for drums 180-220 kg



35198	35199	37099	35415	35425	37095	35219	35220	37200
3:1	3:1	5:1	3:1	3:1	5:1	3:1	3:1	5:1
20	14	18	20	14	18	20	14	18
35094	35194	36094	35094	35194	36094	35094	35194	36094
80210	80210	80210	80210	80210	80210	80200	80200	80200
8430.401	8430.401	8430.401	-	-	-	-	-	-
38046	38042	38042	38046	38042	38042	38046	38042	38042
38071	38071	38071	38071	38071	38071	38071	38071	38071
37758	37758	37758	37758	37758	37758	37758	37758	37758
996.302	996.302	996.302	996.304	996.304	996.304	996.304	996.304	996.304
4 - 0,28	4 - 0,28	4 - 0,28	3 - 0,246	3 - 0,246	3 - 0,246	3 - 0,121	3 - 0,121	3 - 0,121
54,6	56,1	56,2	35,8	37,3	37,4	33,3	33,3	34,1
90-77-133	90 - 77 - 128,5	90-77-134,5	90-77-133	90 - 77 - 128,5	90-77-134,5	67-77-138,5	67-77-132,5	67-77-139,5





Oil DISPENSER kit

with 65 l tank

Trolley-mounted oil dispenser kit.

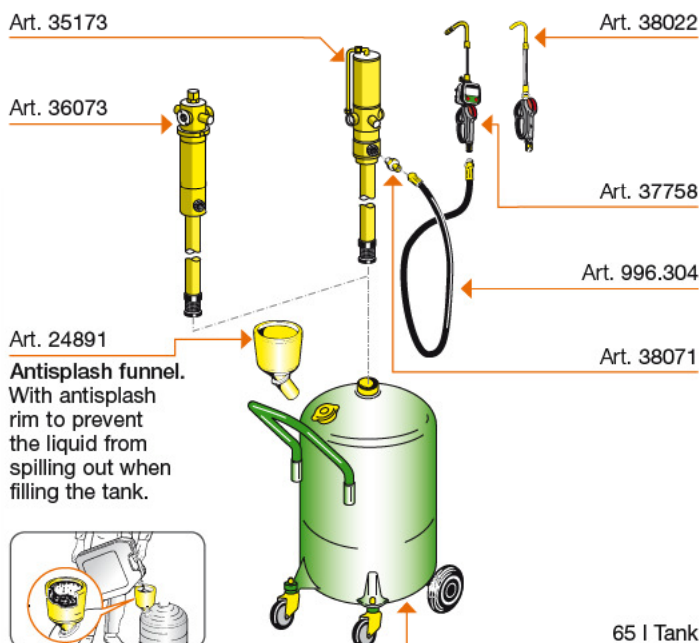
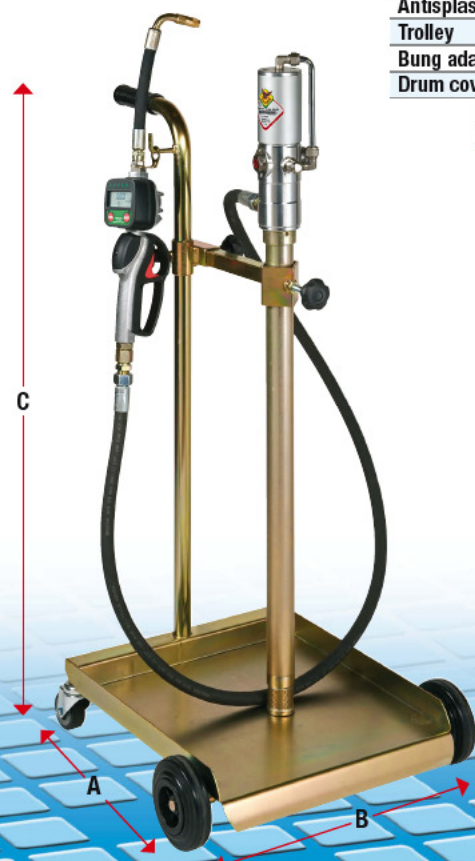
The ideal combination for dispensing oil in any workplace.

The compact trolley has 2 fixed wheels and 2 castors that make it very easy to handle.

It is equipped with a pump support and is suitable for holding various types of containers (30 - 50 kg).



Article		35265	37650	35270	37670
Ratio		3:1	5:1	3:1	5:1
Flow rate	l/min	14	18	14	18
Pump	Art.	35173	36073	35173	36073
Nipple	Art.	38071	38071	38071	38071
Digital metering gun	Art.	37758	37758	38022	38022
Hose	Art.	996.304	996.304	996.304	996.304
Antisplash funnel	Art.	24891	24891	24891	24891
Trolley	Art.	-	-	-	-
Bung adaptor	Art.	-	-	-	-
Drum cover	Art.	-	-	-	-
Packing	N° - m³	3 - 0,230	3 - 0,230	3 - 0,230	3 - 0,230
Weight	kg	33	34	30,9	31,3
Dimensions (A - B - C) cm		60 - 60 - 145,5	60 - 60 - 145,5	60 - 60 - 145,5	60 - 60 - 145,5





35260	35250	37500	35249	35259	37499	35264	35254	37504
3:1	3:1	5:1	3:1	3:1	5:1	3:1	3:1	5:1
20	14	18	20	14	18	20	14	18
35076	35173	36073	35076	35173	36073	35076	35173	36073
38071	38071	38071	38071	38071	38071	38071	38071	38071
37758	37758	37758	37758	37758	37758	37758	37758	37758
996.304	996.304	996.304	996.304	996.304	996.304	996.304	996.304	996.304
-	-	-	-	-	-	-	-	-
80050	80050	80050	-	-	-	-	-	-
-	-	-	38046	38042	38042	38046	38042	38042
-	-	-	-	-	-	65138	65138	65138
3 - 0,085	3 - 0,085	3 - 0,085	2 - 0,044	2 - 0,041	2 - 0,041	3 - 0,087	3 - 0,084	3 - 0,084
20	20	20,5	14,7	17,1	17,3	19,2	21,6	21,8
46 - 50 - 145,5	46 - 50 - 145,5	46 - 50 - 145,5	3,2 - 3,2 - 107,2	4,2 - 4,2 - 102,5	4,2 - 4,2 - 108,5	40 - 40 - 107,2	40 - 40 - 102,5	40 - 40 - 108,5

Art. 38071

Art. 35173

Art. 35076

Art. 36073

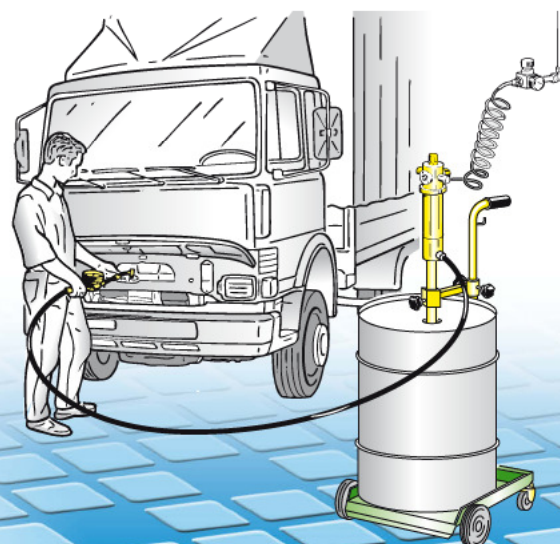
Art. 37758

Art. 996.304

Art. 65138

Art. 38042
Art. 38046

Art. 80050



Engine oil filling up



Modular oil dispensing kit with hose reel

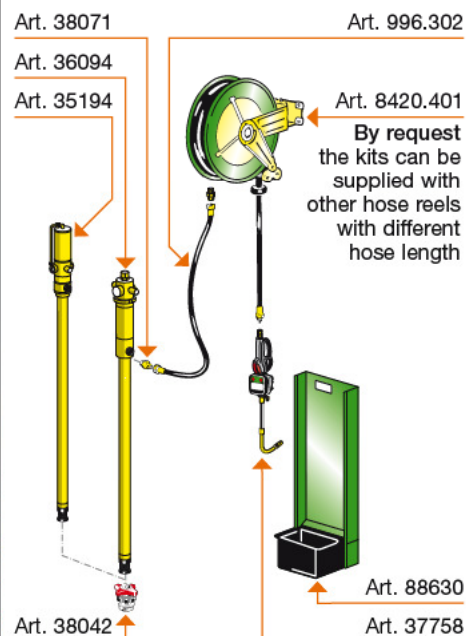
Oil dispensing system with pump applied on a drum or tank, equipped with open or enclosed swivelling hose reel series 420/440 and with digital metering gun. The kits are independent oil delivery station.

pump mounted on drum



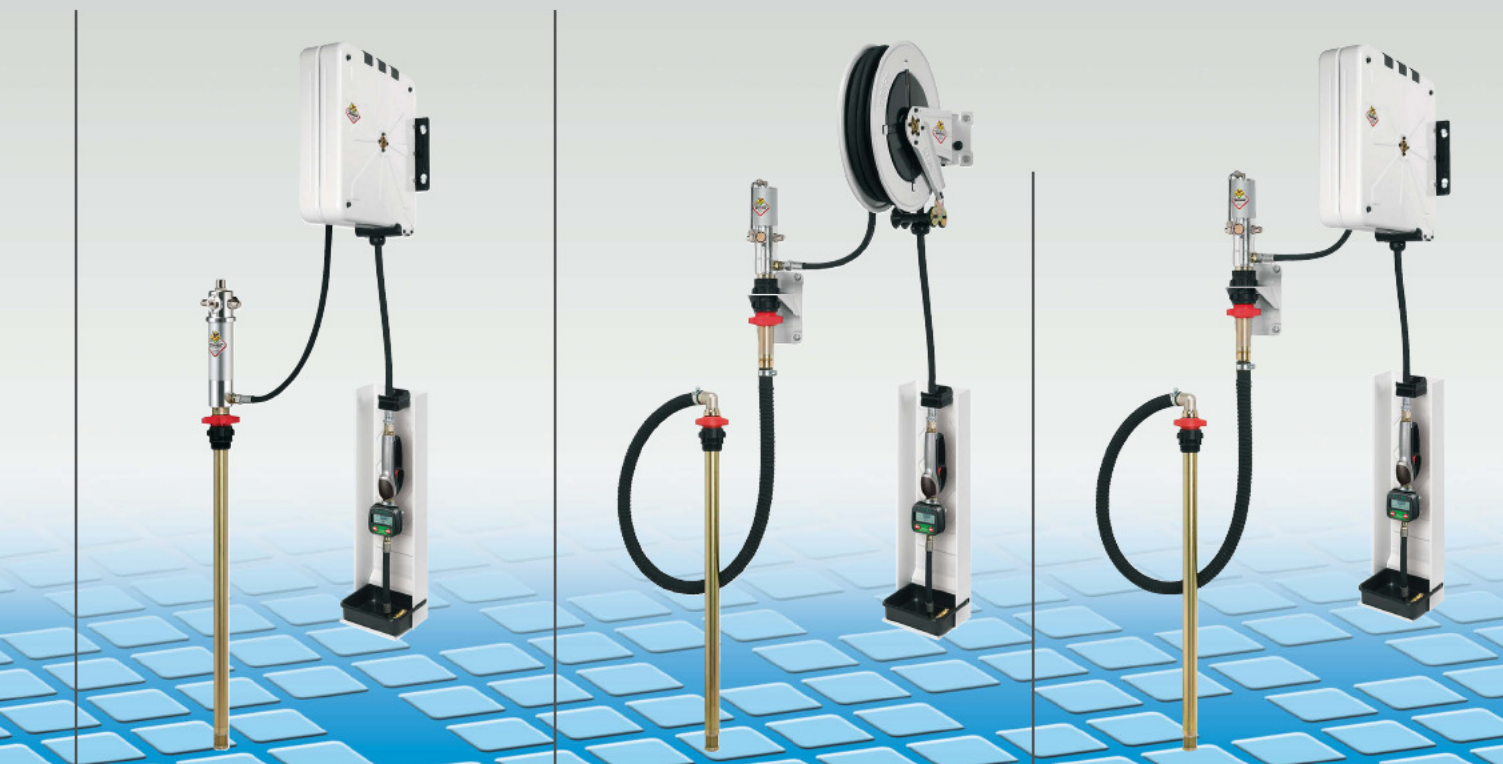
Article		35275	37675	
Ratio		3:1	5:1	
Flow rate	l/min	14	18	
Pump	Art.	35194	36094	
Hose reel	Art.	8420.401	8420.401	
Bung adaptor	Art.	38042	38042	
Wall bracket	Art.	-	-	
Nipple	Art.	38071	38071	
Digital metering gun	Art.	37758	37758	
Flexible suction tube	Art.	-	-	
Rigid suction tube	Art.	-	-	
Drip-tray	Art.	88630	88630	
Packing	N° - m³	4 - 0,128	4 - 0,128	
Weight	kg	30,1	31,1	
Dimensions (A - B - C)	cm	94 - 90 - 220	94 - 90 - 220	

Art. 88630
Modular drip-tray.
Equipped with hook for gun and removable drip-tray. Applied under the hose reel, it is a handy holder for the delivery gun. Essential for a clean and orderly workplace.

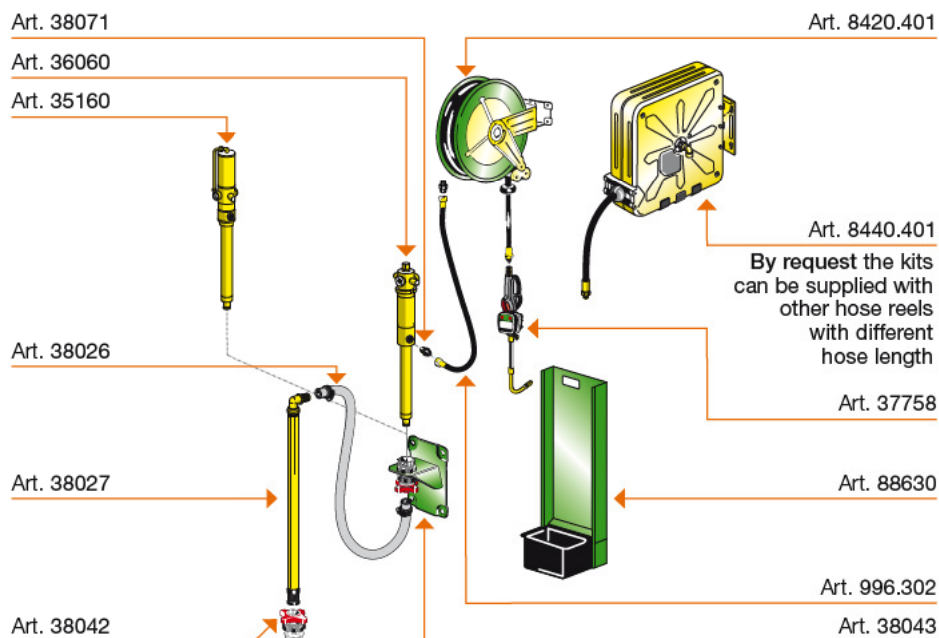
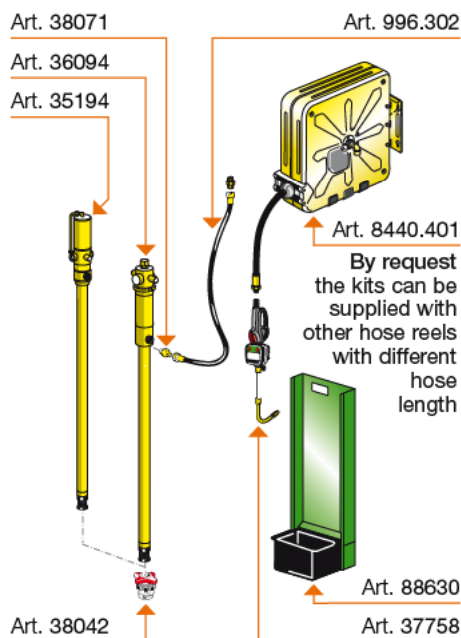


pump mounted on drum

wall mounted pump



35276	37676	35280	37680	35281	37679
3:1	5:1	3:1	5:1	3:1	5:1
14	18	14	18	14	18
35194	36094	35160	36060	35160	36060
8440.401	8440.401	8420.401	8420.401	8440.401	8440.401
38042	38042	38042	38042	38042	38042
-	-	38043	38043	38043	38043
38071	38071	38071	38071	38071	38071
37758	37758	37758	37758	37758	37758
-	-	38026	38026	38026	38026
-	-	38027	38027	38027	38027
88630	88630	88630	88630	88630	88630
4 - 0,130	4 - 0,130	4 - 0,130	4 - 0,130	4 - 0,135	4 - 0,135
37,1	38,1	38,5	39,5	45	45
94 - 90 - 220	94 - 90 - 220	170 - 90 - 220	170 - 90 - 220	170 - 90 - 220	170 - 90 - 220





Kit for DISPENSING from tank

Oil dispensing kit from IBC tank,
equipped with wall mounted pump or
tank mounted pump.

Kits with wall mounted pump can be
connected with centralized lube piping or
with an hose reel or a delivery hose.

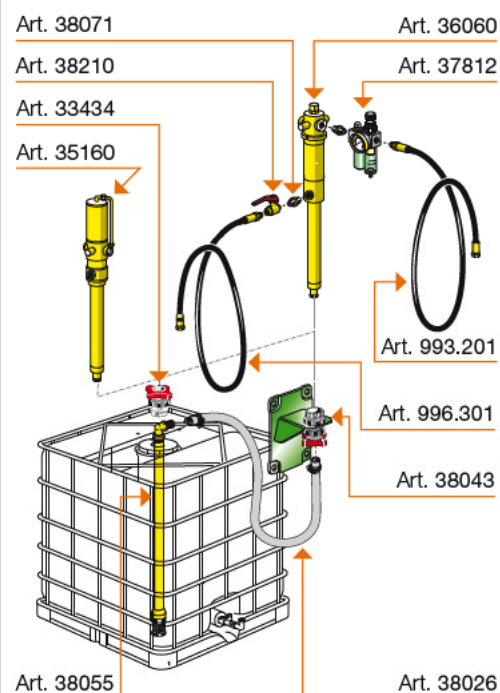
They are equipped with the accessories
for air and oil connections.

Kits with tank mounted pump are provided
with hose reel and digital metering gun.



Note: the tank is not part of the kit

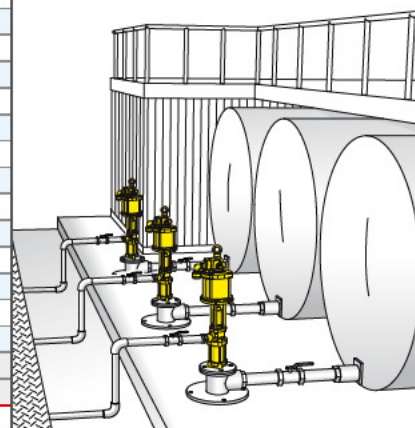
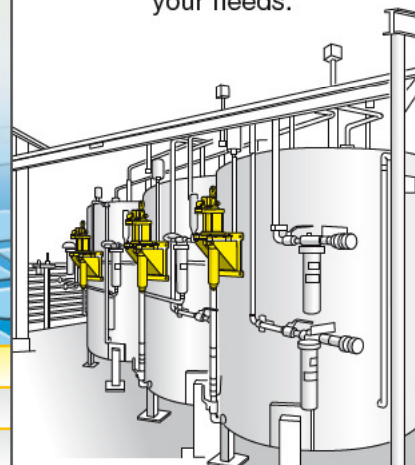
Article		35330	36330
Ratio		3:1	5:1
Flow rate	l/min	14	18
Pump	Art.	35160	36060
Pump support bracket	Art.	38043	38043
Support bracket drip-tray	Art.	-	-
Bung adaptor	Art.	33434	33434
Flexible suction tube	Art.	38026	38026
Rigid suction tube	Art.	38055	38055
Air hose connection	Art.	993.201	993.201
Oil hose connection	Art.	996.301	996.301
Cock	Art.	38210	38210
Nipple	Art.	38071	38071
Air regulator	Art.	37812	37812
Hose reel	Art.	-	-
Digital metering gun	Art.	-	-
Drip-tray	Art.	-	-
Packing	N° - m³	2 - 0,040	2 - 0,040
Weight	kg	15	15
Support width (A)	cm	-	-



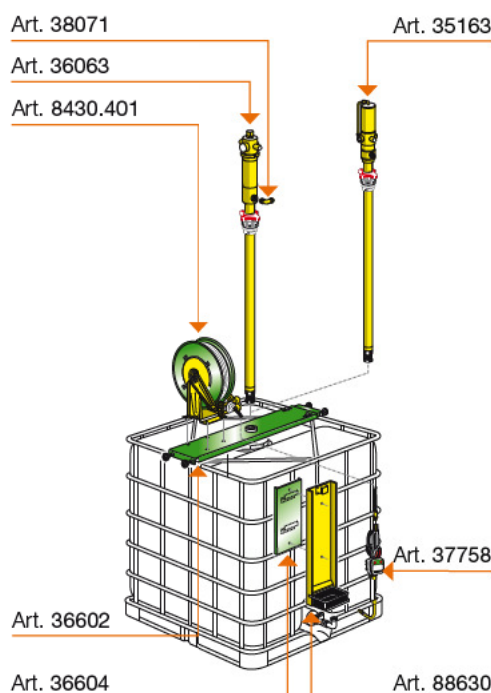
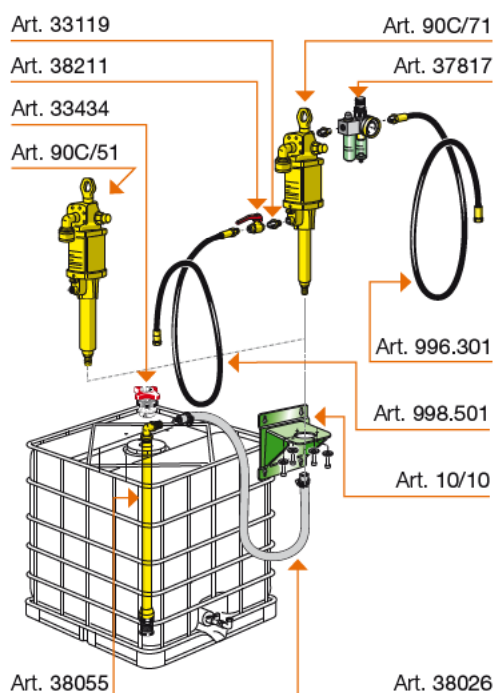


The possible solutions for equipping kits for tanks are many, due to the various shapes and sizes of the tanks (cube, rectangular, cylindrical) and the way in which the pump can be mounted (with suction tube dipped, connected to a cock on the bottom, etc.).

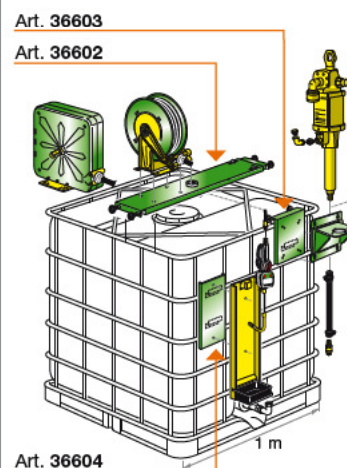
Therefore we recommend choosing the necessary components from among those indicated below, in order to make up the kit best suited to your needs.



36340	36350	36610	36620
5:1	7:1	3:1	5:1
45	30	14	18
90C/51	90C/71	35163	36063
10/10	10/10	36602	36602
-	-	36604	36604
33434	33434	-	-
38026	38026	-	-
38055	38055	-	-
996.301	996.301	-	-
998.501	998.501	-	-
38211	38211	-	-
33119	33119	38071	38071
37817	37817	-	-
-	-	8430.401	8430.401
-	-	37758	37758
-	-	88630	88630
2 - 0,120	2 - 0,120	4 - 0,250	4 - 0,250
23	22	48	49
-	-	100	100



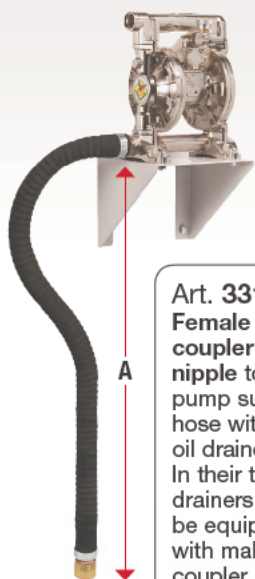
Pump and hose reel supports available for personalized kit.





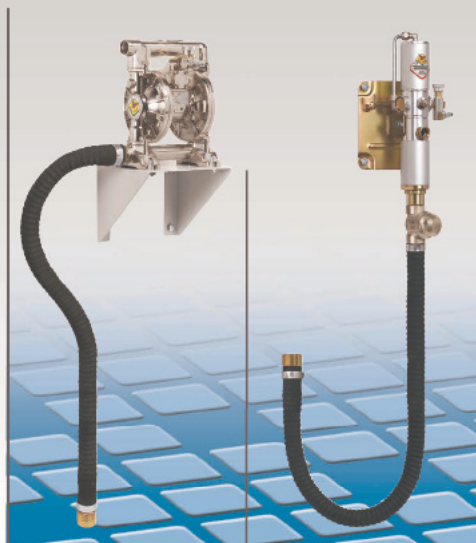
Modular kit for TRANSFER or EMPTYING oil, waste oil and similar

Wall-mounted transfer kit. A practical solution for draining movable equipment, waste oil suction/drainers by means of connection with quick-coupling valve. Wall application enables connection to a fixed system for discharging the sucked liquid directly into the storage tank.

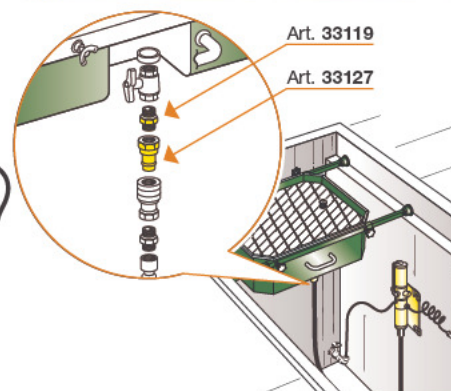


Art. 33134
Female quick coupler and nipple to connect pump suction hose with waste oil drainers. In their turn drainers must be equipped with male quick coupler.

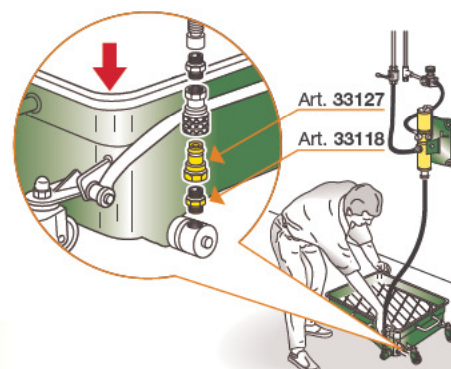
Article with seals in	VITON		33125
Article with seals in	NBR	33550	
Ratio		1:1	1:1
Flow rate	l/min	40	23
Pump	Art.	33/2011NHHV2	33070
Flexible suction tube 2 m	Art.	38026	38026
Air inlet flow regulator	Art.	37803	37803
Wall bracket	Art.	33590	33115
Packing	N° - m³	1 - 0,030	1 - 0,029
Weight	Kg	14	8,4
Distance (A)	cm	150	150



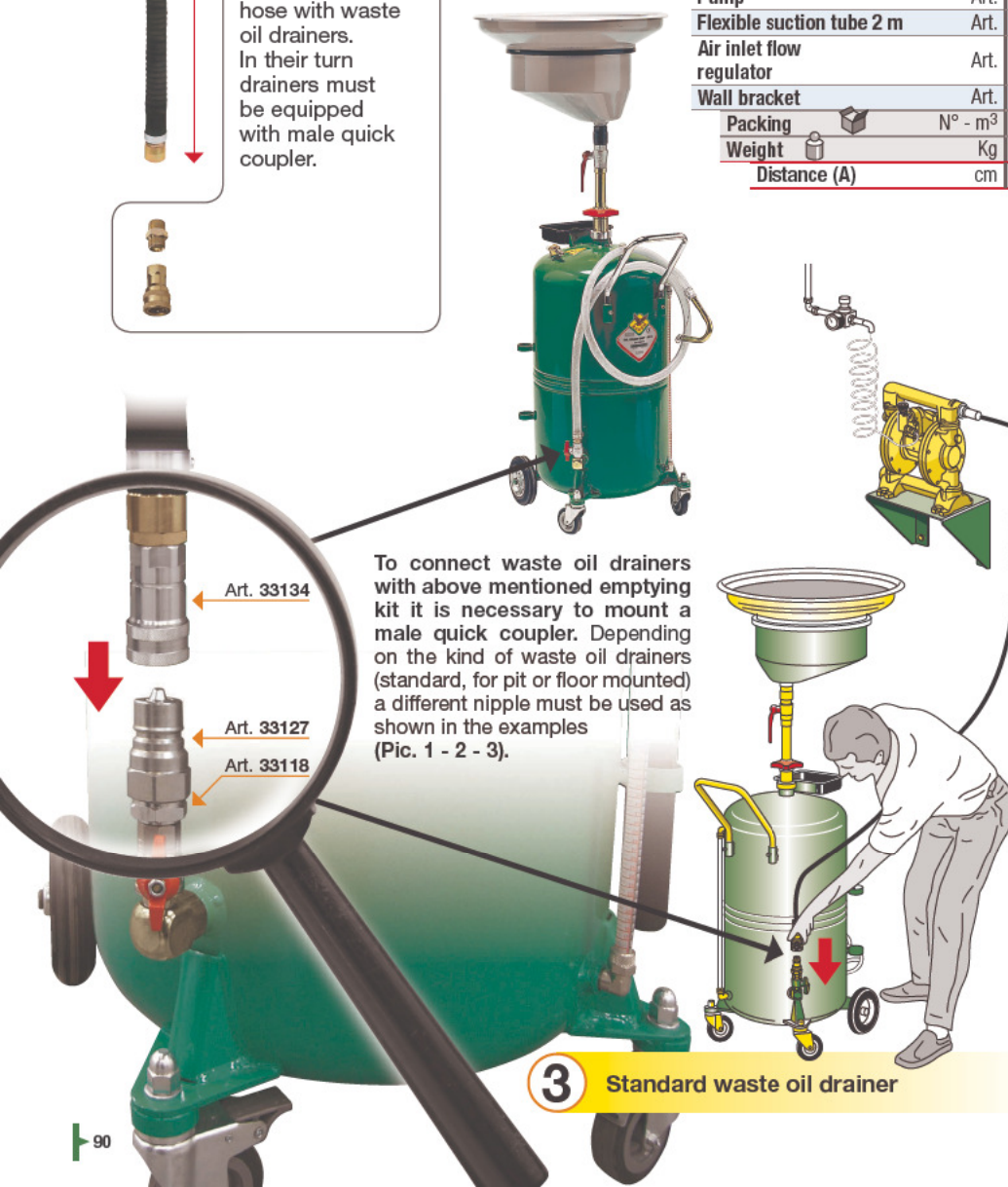
1 Pit waste oil drainer



2 Floor waste oil drainer



3 Standard waste oil drainer



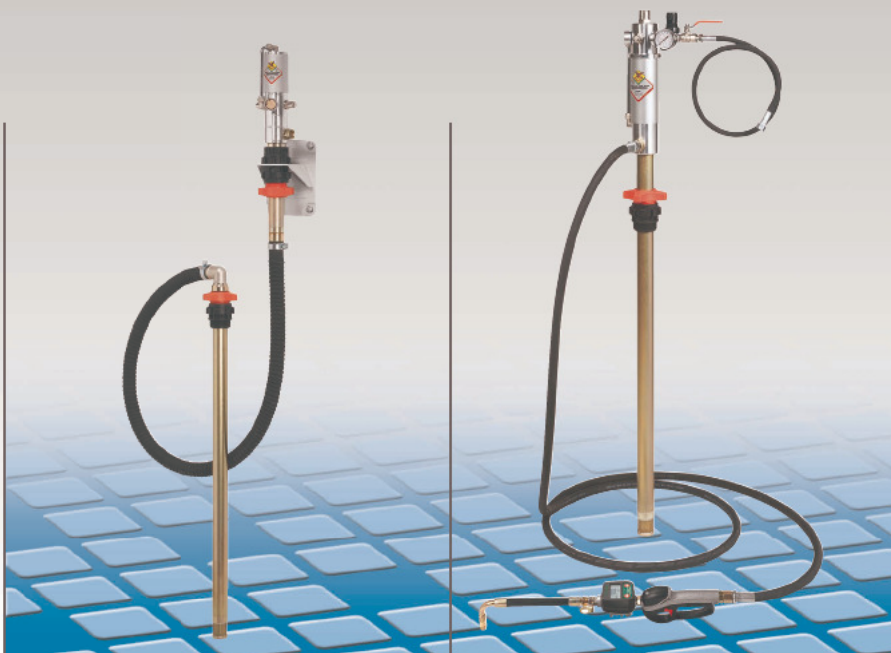
To connect waste oil drainers with above mentioned emptying kit it is necessary to mount a male quick coupler. Depending on the kind of waste oil drainers (standard, for pit or floor mounted) a different nipple must be used as shown in the examples (Pic. 1 - 2 - 3).





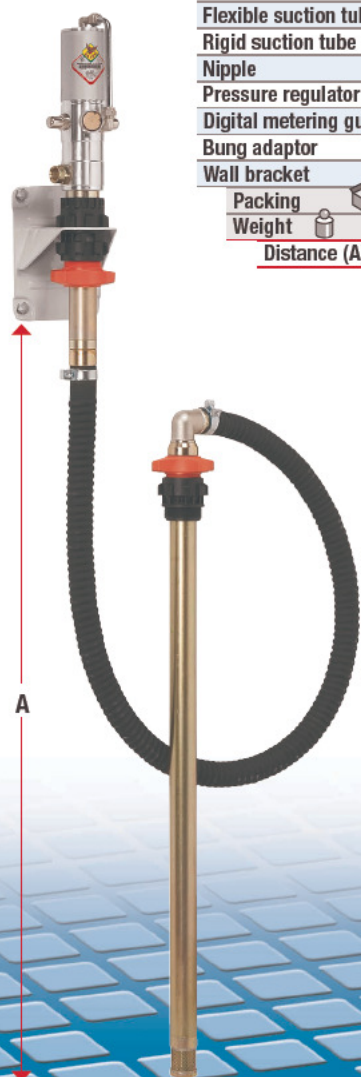
Modular TRANSFER kit

transfer kit

Oil dispensing system with wall mounted or drum mounted pump. Kits with wall mounted pump can be connected with centralized lube piping or with an hose reel or a delivery hose. Kits with tank mounted pump are provided with hose reel and digital metering gun. The rigid suction tube can be lengthened by means of modular elements (refer to page 112 - 113) for adapting to the height of the tanks.



Article with seals in VITON		35284			35290			
Article with seals in NBR			35285	37685		35293	35296	
Ratio		3:1	3:1	5:1	3:1	3:1	5:1	
Flow rate		l/min	20	14	18	20	14	18
Pump	Art.	35060	35160	36060	35094	35194	36094	
Delivery hose	Art.	-	-	-	996.304	996.304	996.304	
Connection hose	Art.	-	-	-	993.201	993.201	993.201	
Flexible suction tube	Art.	38026	38026	38026	-	-	-	
Rigid suction tube	Art.	38027	38027	38027	-	-	-	
Nipple	Art.	-	-	-	38071	38071	38071	
Pressure regulator	Art.	-	-	-	37801	37801	37801	
Digital metering gun	Art.	-	-	-	37758	37758	37758	
Bung adaptor	Art.	38042	38042	38042	38046	38042	38042	
Wall bracket	Art.	38047	38043	38043	-	-	-	
 Packing	N° - m³	1 - 0,029	1 - 0,029	1 - 0,029	2 - 0,070	2 - 0,085	2 - 0,085	
 Weight	Kg	11,4	11,4	11,9	14	13,5	13,5	
Distance (A)	cm	150	150	150	-	-	-	



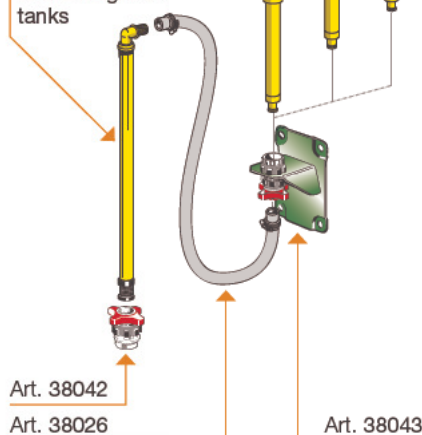
Art. 36060

Art. 35060

Art. 35160

Art. 38027

The rigid suction tube can be lengthened by means of modular elements (refer to page 112 - 113) for adapting to the height of the tanks



Art. 38042

Art. 38026

Art. 38043

Art. 35194

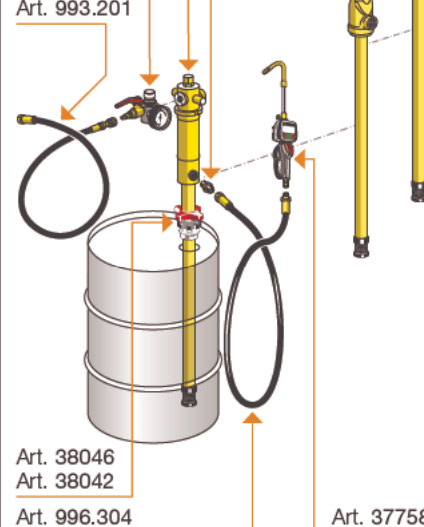
Art. 35094

Art. 38071

Art. 36094

Art. 37801

Art. 993.201



Art. 38046

Art. 38042

Art. 996.304

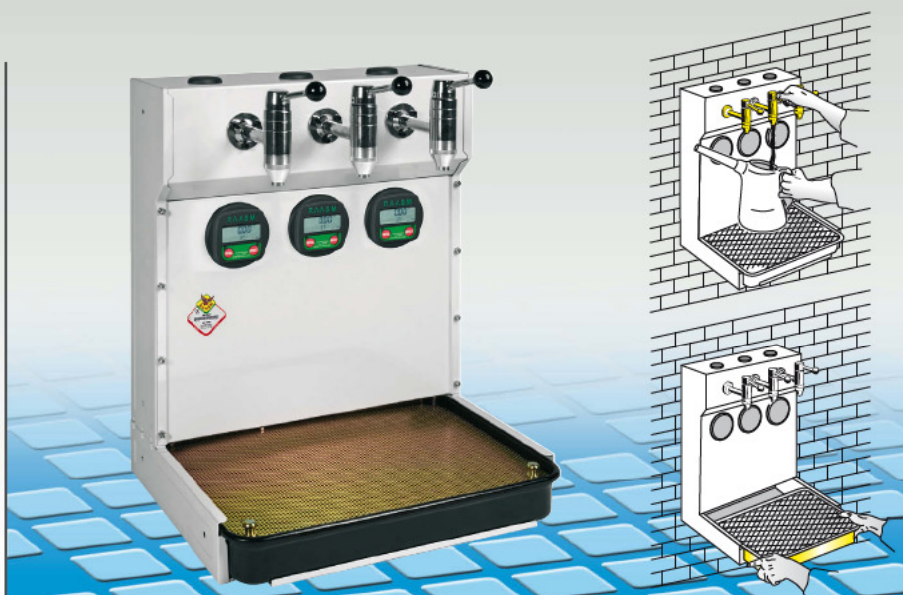
Art. 37758



Oil BAR

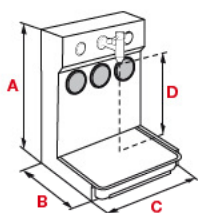
wall-mounted

Oil bar ideal for dispensing engine oil, gear oil, antifreeze and similar liquids. It offers the availability of to 3 different types of oil. Quick and easy drawing of oil with possibility of controlling the quantity by means of the digital litre-counter available on request. Tap with double **valve** and **antisplash filter** to guarantee delivery while preventing sprays caused by possible air bubbles in the system. Closing is automatic when the lever is released. Equipped with an easy to clean, removable drip-catcher tray and sturdy support grid.



Article		37690	37689	37688	37691	37687	37686
Tap for oil bar	Art.	37692 x 1	37692 x 2	37692 x 3	37692 x 1	37692 x 2	37692 x 3
Digital litre-counter kit	Art.	-	-	-	37830 x 1	37830 x 2	37830 x 3
Packing	Nº - m³	1 - 0,136	1 - 0,136	1 - 0,136	1 - 0,136	1 - 0,136	1 - 0,136
Weight	kg	23,8	25	26,2	25	26,5	28
Dimensions (A-B-C-D)cm		67-44-56-46	67-44-56-46	67-44-56-46	67-44-56-46	67-44-56-46	67-44-56-46

Note: a max of 3 taps and 3 digital litre-counter kits can be fitted on the oil bar



Kit feeding pump

Art. 37695

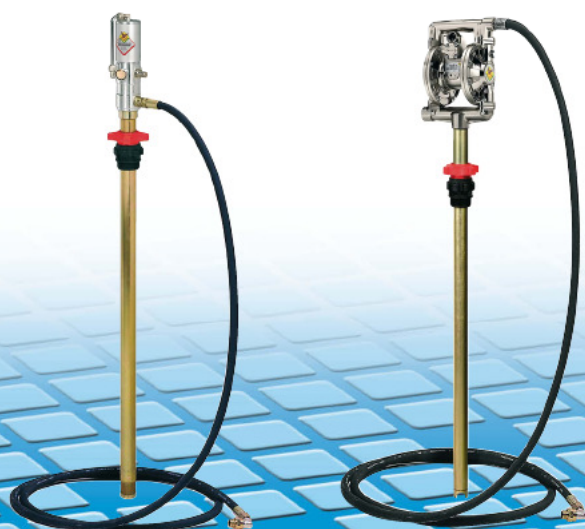
Kit with drum pump for feeding oil bar, equipped with:

- Art. 35194 pump R 3:1 - 14 l/min
- Art. 38042 bung adaptor
- Art. 996.304 hose 1/2" 4m
- elbow M 1/2" x M 1/2"
- nipple M 1/2" x F 1/2"

Art. 33501

Kit with drum pump for feeding oil bar, equipped with:

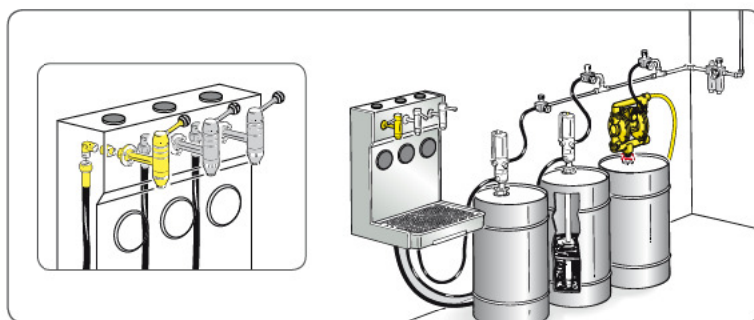
- Art. 33500 diaphragm pump R 1:1 - 60 l/min
- Art. 996.304 tube 1/2" 4m
- Art. 33118 nipple M 3/4" x M 1/2"
- elbow F 1/2" x M 1/2"
- nipple M 1/2" x F 1/2"



Example of installation

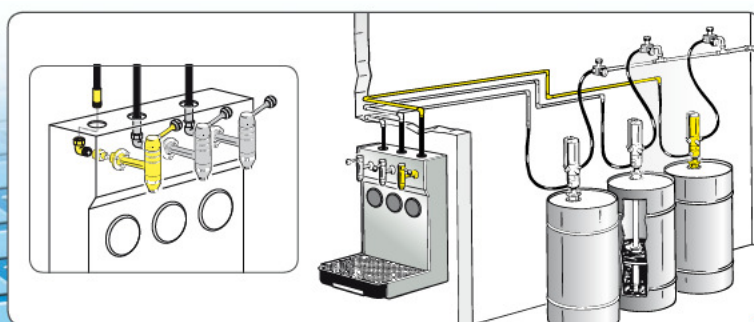
Example of installation with hose.

Example of installation of an oil bar with three service taps connected by hoses to the feeder pumps. This type of connection is only recommended for short distances. After the air is connected to the pump, by operating the tap handle, it will always be ready to use.



Example of installation to fixed system.

Example of installation to a fixed system with the oil bar connected to a centralized system by means of a 60 cm hose.



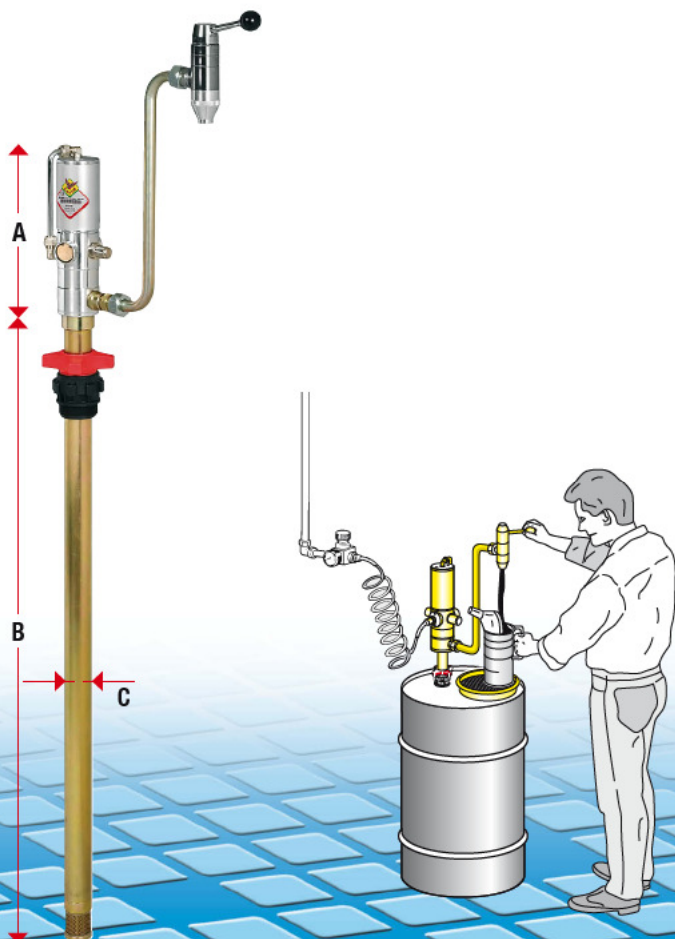


Drum oil BAR

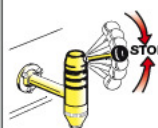
Drum oil bar.
Ideal for dispensing oil and antifreeze liquid.
The delivery tap is connected directly to the feed pump. Very compact, it enables quick filling of jugs or other small containers.



Article		37697	37698
Ratio		3:1	3:1
Flow rate		14	14
Pump	Art.	35194	35194
Tap for oil bar	Art.	37683	37683
Drip-catcher tray	Art.	37699	-
Bung adaptor	Art.	38042	38042
Packing	N° - m ³	2 - 0,034	2 - 0,025
Weight	kg	12	9,5
Dimensions (A-B-C) cm		28,5 - 94 - 4,2	28,5 - 94 - 4,2

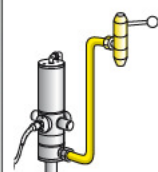


OIL BAR ACCESSORIES

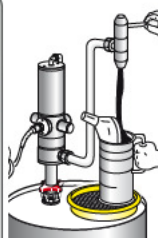


Art. 37692
Double valve tap with antisplash filter for oil bar inlet connection
F 1/2" + M 3/4"

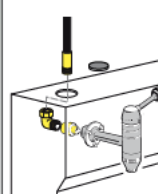
Note: both articles guarantee maximum delivery while preventing sprays caused by possible air bubbles in the system. Closing is automatic upon releasing the lever



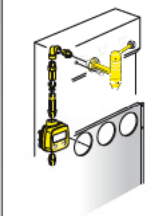
Art. 37683
Oil tap with pump connection, equipped with:
- Art. 37681 tap for oil bar
- Art. 37682 pump
- oil bar tap connection tube



Art. 37699
Drip-catcher tray



Art. 37693
Kit for connecting oil bar to fixed system, equipped with:
- Art. 996.301 tube M 1/2" x F 1/2" - 1 m
- elbow M 1/2" x F 1/2"
- nipple M 1/2" x F 1/2"



Art. 37830
Digital litre-counter kit for oil bar, equipped with:
- Art. 37780 digital litre-counter
- connection unions
- connections M 1/2" x F 1/2"



Art. 38102
2-litre jug

Art. 38105
5-litre jug

* articles not manufactured by us



DIGITAL Meter

Flow rate **35** l/min

Flow rate **70** l/min



Flow rate **40** l/min

RAASM's digital meters, besides gauging the liquid delivered, can show instant flow rates, provide a reset total and allow the setting of different units of measurement.

RAASM's digital meters are suitable for a wide variety of fluids, from low to medium to high viscosities, including lubricants, diesel fuel, antifreeze, window wash liquid and other fluids compatible with the material of the meter.



Not type-approved for public use

	oil and similar products	oil and similar products	antifreeze and windshield washing liquid
Article	37780	37781	37785
Flow rate l/min	35	70	40
Compatible fluids	Oil and similar products, diesel fuel	Oil and similar products, diesel fuel	Antifreeze and windshield washing liquid
Body's material	Aluminium	Aluminium	oxidized aluminium
Gear's material	POM	POM	PVDF
Inlet	F 1/2" BSP	F 3/4" BSP	F 1/2" BSP
Outlet	F 1/2" BSP	F 3/4" BSP	F 1/2" BSP
Max operating pressure bar	70	70	70
Burst pressure bar	± 200	± 200	± 200
Accuracy	± 0,3 %	± 0,5 %	± 0,5 %
Net weight kg	0,485	0,790	0,485
Packing  N° - m³	1 - 0,0015	1 - 0,0018	1 - 0,0015
Gross weight  kg	0,85	1	0,85
Dimensions (A - B - C) mm	94 - 90 - 55	94 - 92 - 77	94 - 90 - 55



TECHNICAL Features

Sealed battery compartment assures continuous electronic contact in rugged working conditions

Aluminium body with special coating suitable also for antifreeze and windshield washing fluid

Robotically welded electronics board equipped with a wide LCD screen

The use of 4 magnets provides superior control and precision measurement

Double layer protective cover provides an air tight seal with the aluminium body

Meter uses standard "off the shelf" two 1.5 v AAA batteries

Oval gears made of POM or PVDF are highly resistant to fatigue and offer excellent chemical resistance

A ribbon wire connection between the buttons and the electronic board provide superior connectivity

Raised buttons on the membrane produce an improved operational feel

Battery low level indicator

5 digit resettable totalizer

6 digit non resettable totalizer

Total may be multiplied by 10 - x 100 - x 1000

Unit: Litre - Gallon - Pint - Quarter

FLOW RATE indication

TOTAL or RESET TOTAL

Total-Unit: Litre - Gallon

PERFORMANCE

• Precision $\pm 0,3 \%$

• Repeatability 0,2 %

• Pressure loss < 0,5 bar at max. flow rate



Series 1/2" 30 TP



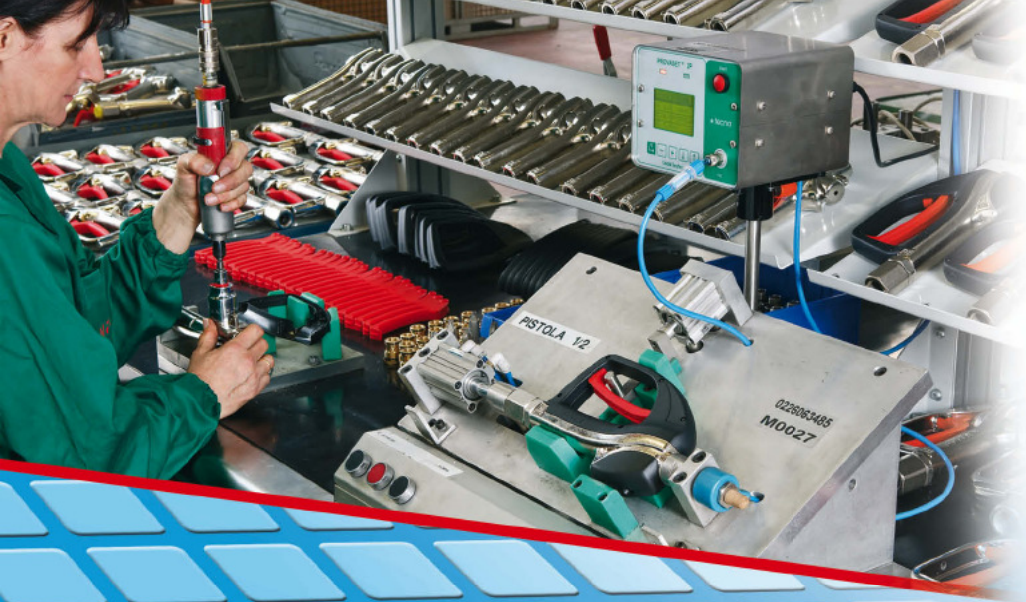
Series 1/2" 40 AL



Series 1/2" 40 AP



Series		1/2" 30 AT	1/2" 40 AL	1/2" 40 AP	1/2" 65 AP	3/4" 70 AP	3/4" 85 AP
Flow rate	l/min	30	40	40	65	70	85
Max pressure	bar	60	70	70	100	100	100
Inlet union		F 1/2" G	F 1/2" G	F 1/2" G	F 1/2" G	F 3/4" G	F 3/4" G
Seals		NBR	Viton	Viton	Viton	Viton	Viton



**Gun for oil
and similar**

Series 1/2" 65 AP



Series 3/4" 70 AP



Series 3/4" 85 AP





GUN for oil and similar Series 1/2" - 30TP

Art. 38023

Grip in technopolymer for oil gun
equipped with F 1/2" inlet swivel joint, filter, F 3/8" outlet



Art. 33120

Oil gun equipped with
F 1/2" inlet swivel joint, filter, high flow rate rigid terminal

Art. 37730

Oil gun with digital litre-counter
Art. 37780 equipped with
F 1/2" inlet swivel joint, filter, high flow rate rigid terminal



Art. 38024

Oil gun equipped with
F 1/2" inlet swivel joint, filter, rigid terminal
and semiautomatic drip-catcher nozzle ø 16 mm

Art. 37729

Oil gun with digital litre-counter
Art. 37780 equipped with
F 1/2" inlet swivel joint, filter, rigid terminal
and semiautomatic drip-catcher nozzle ø 16 mm



Art. 38025

Oil gun equipped with
F 1/2" inlet swivel joint, filter, flexible terminal
and semiautomatic drip-catcher nozzle ø 16 mm



Art. 37728

Oil gun with digital litre-counter
Art. 37780 equipped with
F 1/2" inlet swivel joint, filter, flexible terminal
and semiautomatic drip-catcher nozzle ø 16 mm





GUN

for oil and similar Series 1/2" - 40AL - 40AP

Art. 38020

Grip in aluminium for oil gun
equipped with
F 1/2" inlet swivel joint, filter, F 3/8" outlet

Art. 37740

Grip in aluminium for oil gun
equipped with
F 1/2" inlet swivel joint, filter, F 3/8" outlet,
lever locking button



lever locking button



Art. 33121

Oil gun equipped with
F 1/2" inlet swivel joint, filter, high flow rate rigid terminal

Art. 37743

Oil gun equipped with
F 1/2" inlet swivel joint, filter, high flow rate rigid terminal,
lever locking button

Art. 37760

Oil gun with digital litre-counter

Art. 37780 equipped with
F 1/2" inlet swivel joint, filter, high flow rate rigid terminal



Art. 38021

Oil gun equipped with
F 1/2" inlet swivel joint, filter, rigid terminal
and semiautomatic drip-catcher nozzle ø 16 mm

Art. 37742

Oil gun equipped with F 1/2" inlet swivel joint,
filter, rigid terminal, semiautomatic drip-catcher
nozzle ø 16 mm and lever locking button

Art. 37759

Oil gun with digital litre-counter

Art. 37780 equipped with F 1/2" inlet swivel joint,
filter, rigid terminal, semiautomatic drip-catcher nozzle ø 16 mm

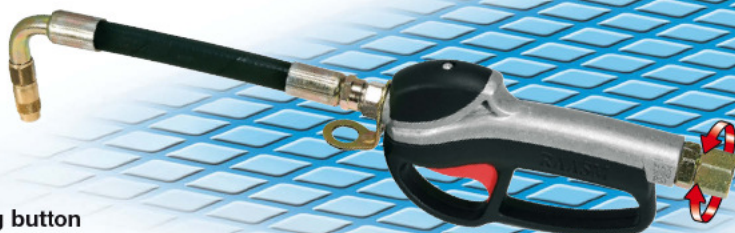


Art. 38022

Oil gun equipped with
1/2" F inlet swivel joint, filter, flexible terminal
and semiautomatic drip-catcher nozzle ø 16 mm

Art. 37741

Oil gun equipped with
F 1/2" inlet swivel joint, filter, flexible terminal,
semiautomatic drip-catcher nozzle ø 16 mm and lever locking button



Art. 37758

Oil gun with digital litre-counter

Art. 37780 equipped with
F 1/2" inlet swivel joint, filter, flexible
terminal and semiautomatic drip-catcher nozzle ø 16 mm

Art. 37786

Oil gun with digital litre-counter

Art. 37780 equipped with F 1/2" inlet swivel joint, filter,
flexible terminal, semiautomatic drip-catcher nozzle ø 16 mm
and lever locking button





GUN for oil and similar Series 1/2" - 65AP

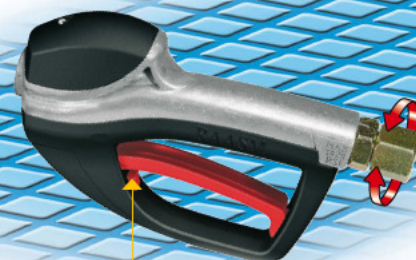
Art. 37750

Grip in aluminium for oil gun equipped with F 1/2" inlet swivel joint, filter, F 1/2" outlet and lever locking button



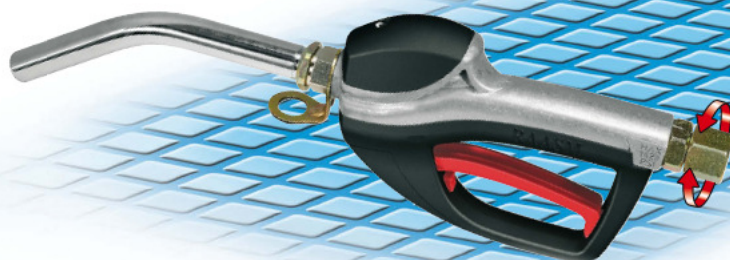
Coloured caps supplied for all the range

lever locking button



Art. 33140

High flow rate oil gun equipped with F 1/2" inlet swivel joint, filter, high flow rate rigid terminal and lever locking button

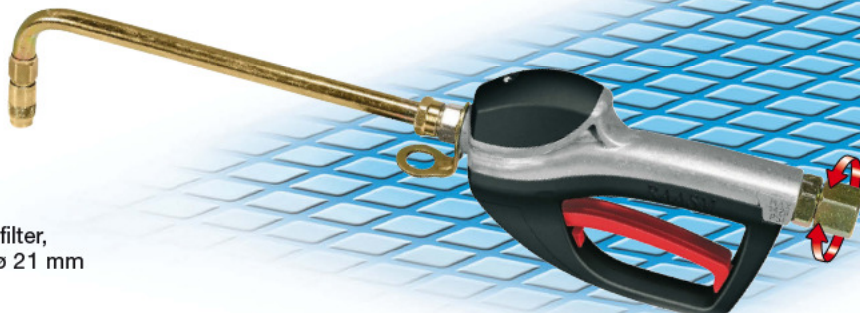


Art. 37796

High flow rate oil gun with digital litre-counter Art. 37780 equipped with F 1/2" inlet swivel joint, filter, high flow rate rigid terminal and lever locking button

Art. 37752

Oil gun equipped with F 1/2" inlet swivel joint, filter, rigid terminal, semiautomatic drip-catcher nozzle ø 21 mm and lever locking button



Art. 37795

Oil gun with digital litre-counter Art. 37780 equipped with F 1/2" inlet swivel joint, filter, rigid terminal, semiautomatic drip-catcher nozzle ø 21 mm and lever locking button

Art. 37751

Oil gun equipped with F 1/2" inlet swivel joint, filter, flexible terminal, semiautomatic drip-catcher nozzle ø 21 mm and lever locking button



Art. 37794

Oil gun with digital litre-counter Art. 37780 equipped with F 1/2" inlet swivel joint, filter, flexible terminal, semiautomatic drip-catcher nozzle ø 21 mm and lever locking button





GUN

for oil and similar Series 3/4" - 70AP

Art. 37775

High delivery oil grip equipped with F 3/4" inlet swivel joint, filter, F 1/2" outlet and lever locking button



Coloured caps supplied for all the range

lever locking button

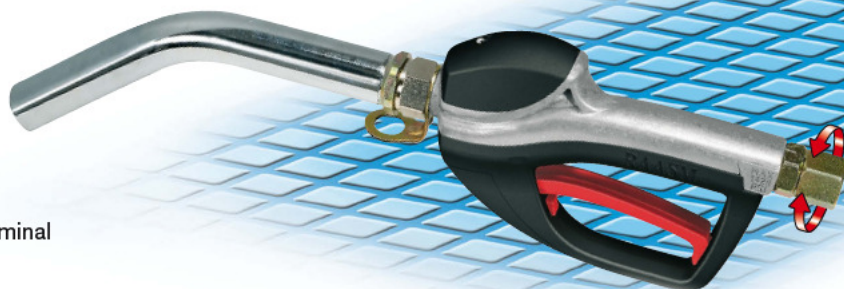


Art. 37778

High flow rate oil gun equipped with F 3/4" inlet swivel joint, filter, high flow rate rigid terminal and lever locking button

Art. 37799

High flow rate oil gun with digital litre-counter Art. 37781 equipped with F 3/4" inlet swivel joint, filter, high flow rate rigid terminal and lever locking button

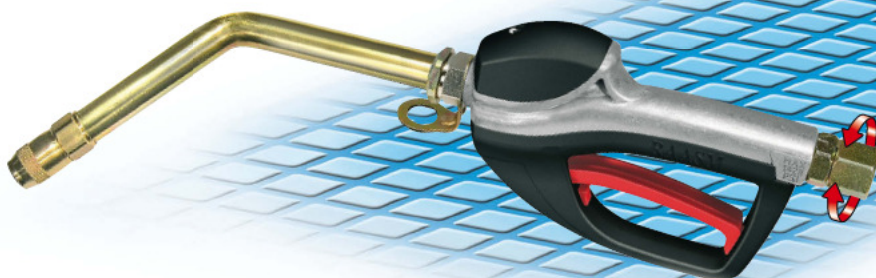


Art. 37777

High flow rate oil gun equipped with F 3/4" inlet swivel joint, filter, rigid terminal 45°, semiautomatic drip-catcher nozzle ø 35 mm and lever locking button

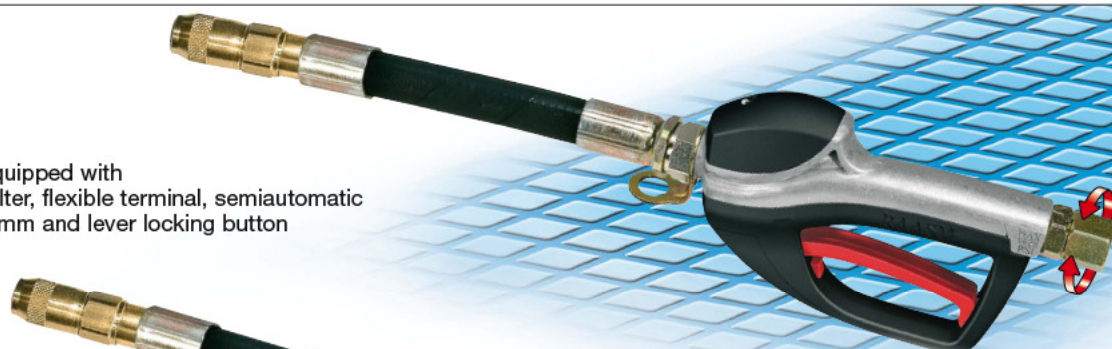
Art. 37798

High flow rate oil gun with digital litre-counter Art. 37781 equipped with F 3/4" inlet swivel joint, filter, rigid terminal 45°, semiautomatic drip-catcher nozzle ø 35 mm and lever locking button



Art. 37776

High flow rate oil gun equipped with F 3/4" inlet swivel joint, filter, flexible terminal, semiautomatic drip-catcher nozzle ø 35 mm and lever locking button



Art. 37797

High flow rate oil gun with digital litre-counter Art. 377810 equipped with F 3/4" inlet swivel joint, filter, flexible terminal, semiautomatic drip-catcher nozzle ø 35 mm and lever locking button





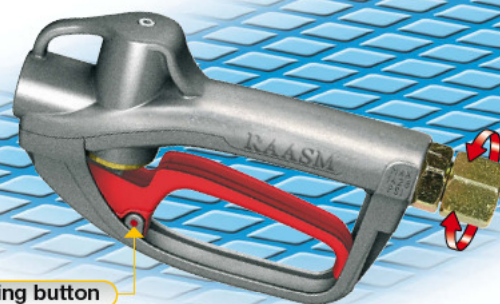
GUN

for oil and similar Series 3/4" - 85AP

Art. 33150

High delivery oil grip equipped with F 3/4" inlet swivel joint, filter, F 3/4" outlet and lever locking button

lever locking button

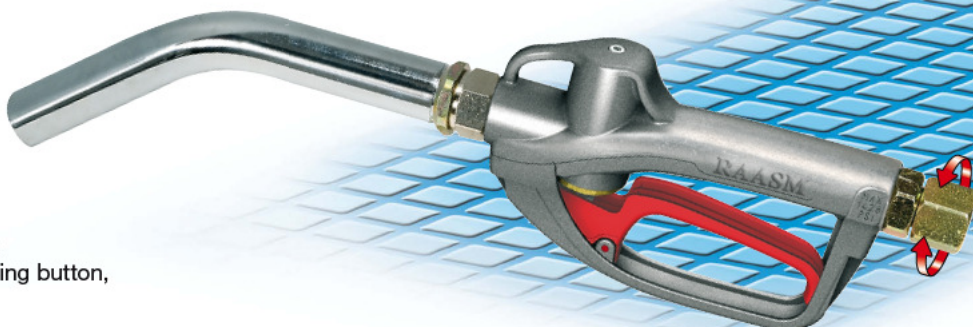


Art. 33153

High delivery oil gun grip equipped with F 3/4" inlet swivel joint, filter, lever locking button, rigid terminal with free outlet

Art. 33148

High delivery oil gun grip with digital litre-counter Art. 37781 equipped with F 3/4" inlet swivel joint, filter, lever locking button, rigid terminal with free outlet

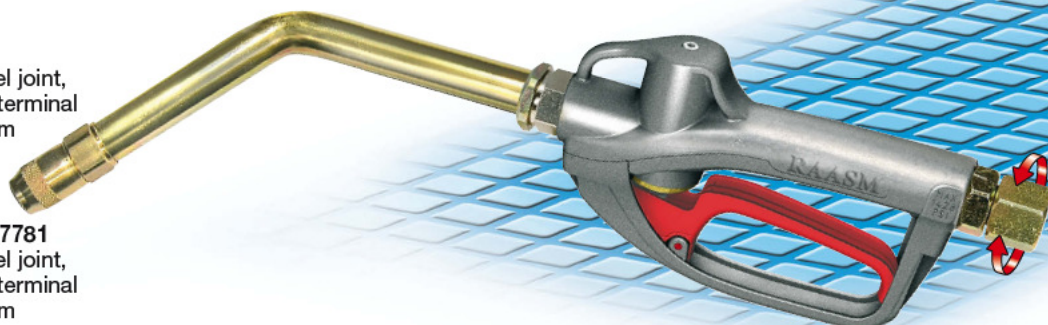


Art. 33152

High delivery oil gun grip equipped with F 3/4" inlet swivel joint, filter, lever locking button and drip-catcher nozzle ø 35 mm

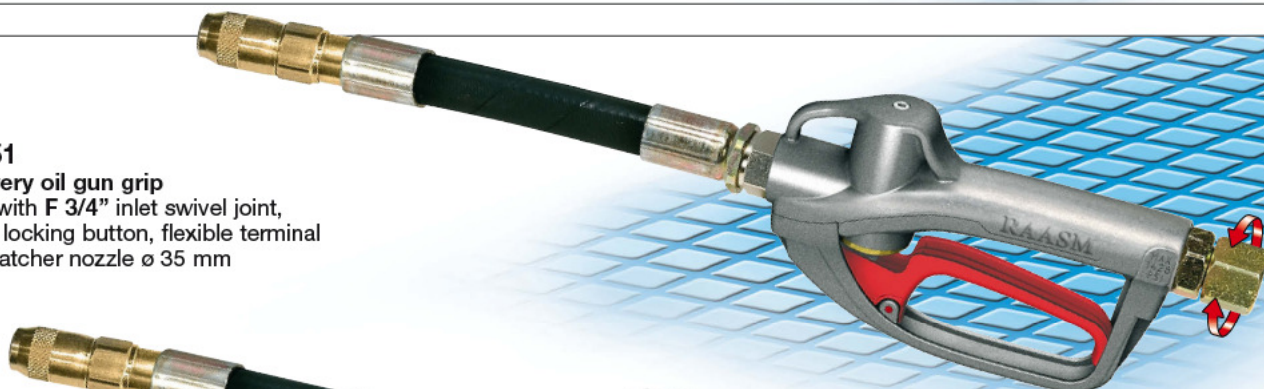
Art. 33147

High delivery oil gun grip with digital litre-counter Art. 37781 equipped with F 3/4" inlet swivel joint, filter, lever locking button, rigid terminal and drip-catcher nozzle ø 35 mm



Art. 33151

High delivery oil gun grip equipped with F 3/4" inlet swivel joint, filter, lever locking button, flexible terminal and drip-catcher nozzle ø 35 mm



Art. 33146

High delivery oil gun grip with digital litre-counter Art. 37781 equipped with F 3/4" inlet swivel joint, filter, lever locking button, flexible terminal and drip-catcher nozzle ø 35 mm





GUN

for windshield washing liquid and antifreeze

Art. 37785

Digital meter for windshield washing liquid and antifreeze, inlet and outlet F 1/2" BSP



Antifreeze gun Series 1/2" - 40AL

Art. 37764

**Antifreeze gun with digital
litre-counter Art. 37785 equipped with
F 1/2" inlet swivel joint, filter, high flow rate
rigid terminal and lever locking button**



Art. 37762

**Antifreeze gun with digital
litre-counter Art. 37785** equipped with
F 1/2" inlet swivel joint, filter, flexible terminal
and semiautomatic drip-catcher nozzle ø 16 mm



Windshield washing liquid gun Series 1/2" - 30TL

Art. 33440

Windshield washing liquid gun equipped with
F 1/2" inlet swivel joint, filter,
high flow rate rigid terminal



Art. 33441

Windshield washing liquid gun Art. 37785
with digital litre-counter Art. 37785
equipped with F 1/2" inlet swivel joint, filter,
high flow rate rigid terminal



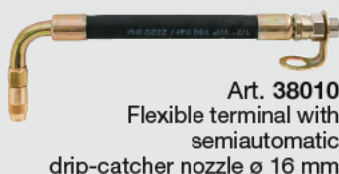


Gun for oil and similar S. 1/2" - 30TP - 40AL - 40AP

Art. 38015
Semiautomatic
drip-catcher nozzle ø 10 mm

Art. 38016
Semiautomatic
drip-catcher nozzle ø 16 mm

Art. 38017
Semiautomatic
drip-catcher nozzle ø 8 mm



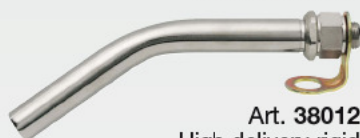
Art. 38010
Flexible terminal with
semiautomatic
drip-catcher nozzle ø 16 mm



Art. 38011
Rigid terminal with
semiautomatic
drip-catcher nozzle ø 16 mm



Art. 38013
Rigid terminal 45°
with semiautomatic drip-catcher
nozzle ø 16 mm



Art. 38012
High delivery rigid
terminal with free outlet ø 20 mm



Art. 38018
Curved semiautomatic
drip-catcher ø 8 mm



Art. 38014
Flexible terminal with
semiautomatic
curved-drip-catcher nozzle ø 8 mm



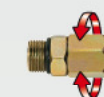
Art. 38023
Grip in technopolymer with
inlet swivel joint F 1/2"



Art. 38020
Grip in aluminium alloy
with inlet swivel
joint F 1/2"



Art. 37740
Grip in aluminium alloy
with F 1/2" inlet swivel joint
and lever locking button



Art. 38062
Swivel
joint for
oil gun,
M/F 1/2"

Gun for oil and similar Series 1/2" - 65AP

Art. 38034
Semiautomatic
drip-catcher nozzle ø 21 mm

Art. 38035
Semiautomatic
drip-catcher nozzle ø 27 mm



Art. 38029
Flexible terminal with
semiautomatic
drip-catcher nozzle ø 21 mm



Art. 38030
Rigid terminal with
semiautomatic
drip-catcher nozzle ø 21 mm



Art. 38031
Rigid terminal 45°
with semiautomatic
drip-catcher nozzle ø 21 mm



Art. 38032
High delivery rigid
terminal with free outlet ø 20 mm



Art. 37750
Grip in aluminium alloy
with inlet swivel joint F 1/2"
and lever locking button



Art. 38063
Swivel
joint for
oil gun,
M/F 1/2"



Gun for oil and similar Series 3/4" - 70AP - 85AP

Art. 38040
High delivery
semiautomatic
drip-catcher nozzle
ø 35 mm



Art. 38037
High delivery
flexible terminal
with semiautomatic
drip-catcher nozzle ø 35 mm



Art. 38038
High delivery rigid
terminal 45° with
semiautomatic drip-catcher
nozzle ø 35 mm



Art. 38039
High delivery rigid
terminal with
free outlet ø 26 mm



Art. 37775
Grip in aluminium alloy
with inlet swivel
joint F 3/4" and lever
locking button



Art. 33150
Grip in aluminium alloy
with inlet swivel
joint F 3/4" and level
locking button



Art. 38066
Swivel
joint for
oil gun,
M/F 3/4"



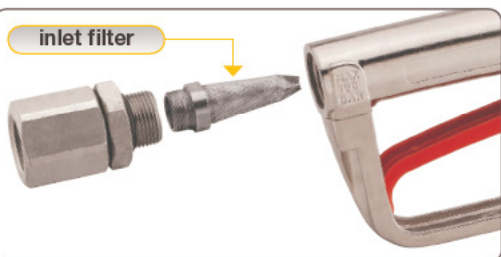
Art. 38065
Swivel joint for oil
gun, high delivery,
inlet M/F 3/4"

High delivery grip Series 3/4"

Example of used 3/4" oil gun with
quick coupler for tank refilling.



inlet filter



Inlet filter supplied with all our oil,
antifreeze, windshield liquid delivery gun.



Accessories

digital meters and volumetric guns



Art. 37704

Digital dispensing oil gun with preselection,

equipped with:

- inlet swivel joint F 1/2"
- adjustable rigid terminal
- automatic closing nozzle ø 16 mm

* not type-approved for public use

* articles not manufactured by us



Art. 37701

Mechanical litre-counter (weight 1 Kg) for oil,

equipped with:

- connection F 1/2" x F 1/2"
- indicator 0-10 litres

* not type-approved for public use

* articles not manufactured by us



Art. 37703

Oil gun with mechanical litre-counter (Art. 37701),

equipped with:

- inlet swivel joint F 1/2"
- flexible terminal
- semiautomatic nozzle ø 16 mm

* not type-approved for public use

* articles not manufactured by us



Art. 33122

High delivery oil gun for transfer,

equipped with:

- F 3/4" inlet swivel joint (max 8 bar)
- rigid terminal with free outlet

Ideal for high deliveries in transferring oil, waste oil and antifreeze liquid

Note: it is advisable to use it with hose 3/4" (Art. 997.505) and with pumps R 1:1 (max 8 bar)

* articles not manufactured by us



Accessories for oil pumps



Art. 38046
Bung adaptor
ø 32 mm, with double body
for pumps with suction tube,
series 500



Art. 33434
Bung adaptor
ø 34 mm, with double body
for pumps with suction tube,
series 600

Art. 38042
Bung adaptor
ø 42 mm, with double body
for pumps with suction tube,
series 600 e 650

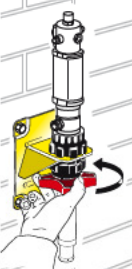
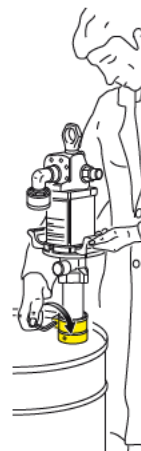
Art. 38044
Bung adaptor
ø 38 mm, with double body
for pumps manual double
acting oil pumps



Art. 38051
Bung adaptor
ø 50 mm, for pumps
with suction tube,
series 500

Art. 10/14
Bung adaptor
ø 45 mm for industrial
pumps with suction tube,
series 900 e 1200

Art. 10/15
Bung adaptor
ø 53 mm for industrial
pumps with suction tube,
series 900 e 1200

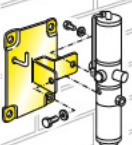
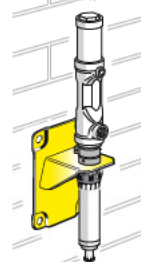


Art. 38047
Wall bracket ø 32 mm
with double body
for wall-mounting of pumps,
series 500

Art. 38043
Wall bracket ø 42 mm
with double body
for wall-mounting of pumps,
series 600 and 650



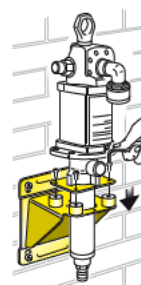
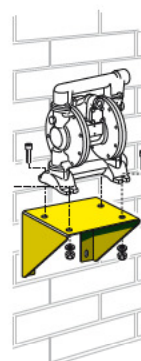
Art. 38052
Wall bracket ø 50 mm
with clamping system
with screw for
wall-mounting
of pumps,
series 500



Art. 33115
Wall bracket in steel
for wall-mounting of
transfer pumps,
series 600 and 650

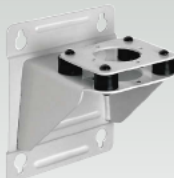
Art. 33590
**Wall bracket in painted
steel** for wall-mounting
of diaphragm pumps
1/2" and 3/4"

Art. 33591
**Wall bracket in painted
steel** for wall-mounting
of diaphragm pumps
1" and 1.1/4"



Art. 10/10
**Wall bracket in painted
steel** for wall-mounting
of integral and flanged
industrial pumps,
series 900 and 1200

Art. 10/11
**Wall bracket in
painted steel**
with dampers for
wall-mounting of
integral and flanged
industrial pumps,
series 900 and 1200





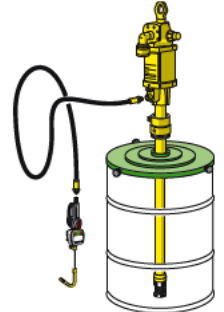
Accessories for oil pumps

Union F2"



Drum cover with 2" F union suitable for standard bung adaptor

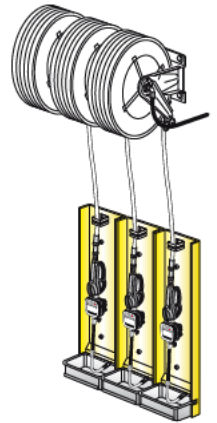
- Art. 65160 Drum cover ø 600 mm (drums ø external 550 - 600 mm)
 Art. 65142 Drum cover ø 420 mm (drums ø external 370 - 420 mm)
 Art. 65138 Drum cover ø 385 mm (drums ø external 340 - 385 mm)



Art. 88630

Modular drip-tray.

Equipped with hook for gun and removable drip-tray. Applied under the hose reel, it is a handy holder for the delivery gun. Essential for a clean and orderly workplace



★



Art. 33126

Female quick

- connector
- thread F 3/4"G
- high pressure
- 250 bar

Art. 33127

Male quick

- connector
- thread F 3/4"G
- high pressure
- 250 bar

★ articles not manufactured
by us

★



Art. 38069

- 90° union
- 3/4" G - F/M

Art. 38070

- 90° union
- 1/2" G - F/M

★ articles not manufactured
by us

★



- Art. 33106 Nipple M 3/4"NPT x F 3/4"G
- Art. 33107 Nipple M 3/4"G x F 1"NPT
- Art. 33108 Nipple M 1"G x F 3/4"NPT
- Art. 33109 Nipple M 1"G x F 1"NPT
- Art. 38075 Nipple M 1/2"G x F 1/2"NPT
- Art. 38076 Nipple M 1/2"NPT x F 1/2"G
- Art. 38077 Nipple M 3/8"NPT x F 3/8"G
- Art. 38078 Nipple M 3/8"G x F 3/8"NPT
- Art. 38079 Nipple M 1/2"NPT x M 3/8"NPT
- Art. 33111 Nipple M 1.1/4"G x F 1.1/4"NPT
- Art. 33112 Nipple M 3/4"G x F 3/4"NPT
- Art. 33113 Nipple M 1/2"G x F 3/4"NPT

★ articles not manufactured by us

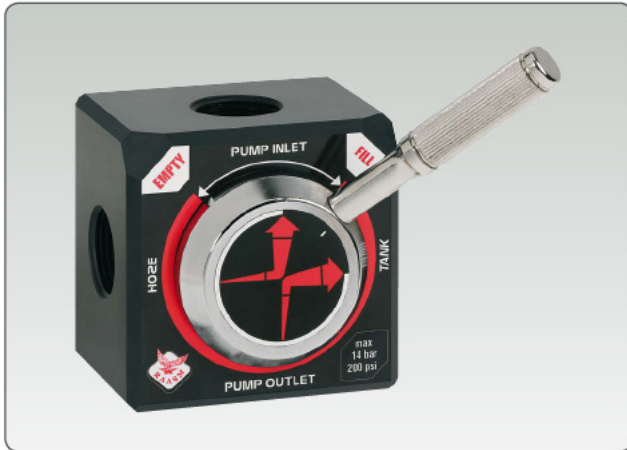


- Art. 38071 Nipple M 1/2"G x M 1/2"G ●●
- Art. 38072 Nipple M 1/2"G x M 3/8"G ●
- Art. 38073 Nipple M 3/8"G x M 3/8"G ●●
- Art. 33114 Nipple M 1"G x M 1/2"G ●
- Art. 33116 Nipple M 1"G x M 1"G ●
- Art. 33117 Nipple M 3/4"G x M 3/4"G ●
- Art. 33118 Nipple M 1/2"G x M 3/4"G ●
- Art. 33119 Nipple M 1"G x M 3/4"G ●
- Art. 33275 Nipple M 1/2"G x F 3/4"G ●
- Art. 33276 Nipple M 3/4"G x F 1"G ●
- Art. 33277 Nipple M 3/4"G x F 1/2"G ●

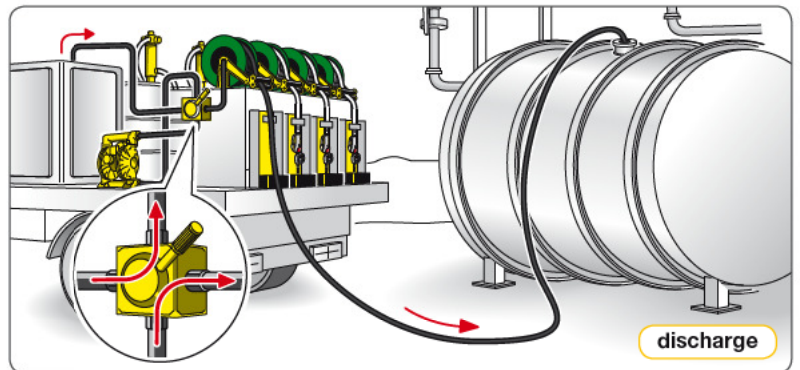
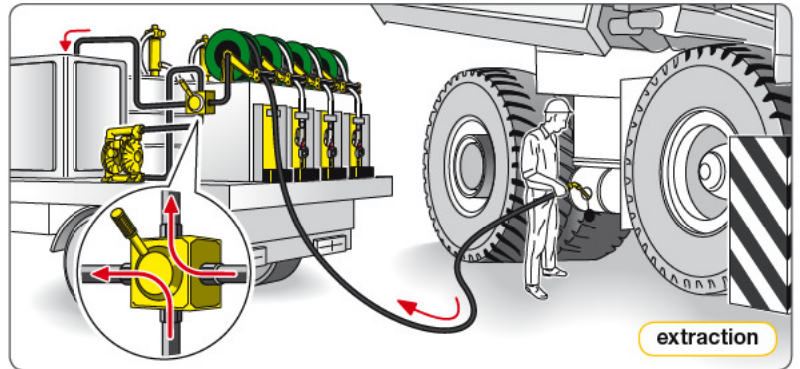
- tapered/cylindrical thread
- cylindrical/cylindrical thread



Accessories 4-way evacuation valve and flow regulator chamber



The 4-way evacuation valve is used for extraction and discharge of waste oil fluid hydraulic gear and engine oil and antifreeze



Art. 38130

4-way evacuation valve with connection F 3/4"G

Art. 38131

4-way evacuation valve with connection F 1"G

Art. 38132

4-way evacuation valve with connection F 1.1/2"G

Article	Seals	Connection	Pressure	Weight
38130	Viton	F 3/4"	14 bar	3 Kg
38131	Viton	F 1"	14 bar	3 Kg
38132	Viton	F 1.1/2"	14 bar	3 Kg

Art. 38097

Flow regulator chamber F 3/4" x F 3/4" equipped with:

- one-way valve eliminates sudden pressure changes, ensuring a regular flow
- suitable for R 1:1 - 3:1 - 5:1 pumps
- max pressure 100 bar

Art. 38098

Flow regulator chamber F 3/4" x F 3/4" with air tank equipped with:

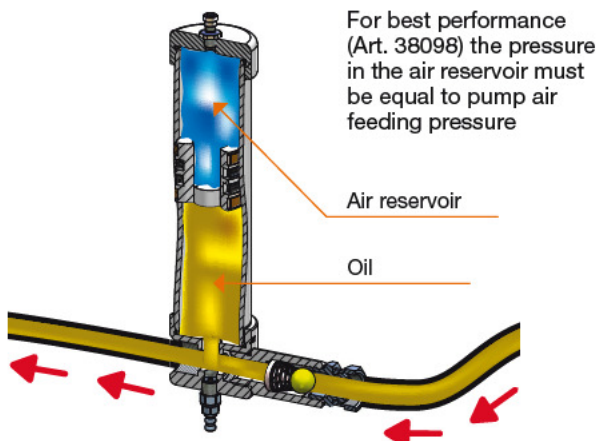
- one-way valve eliminates sudden pressure changes, ensuring a regular flow
- suitable for pumps till R 20:1
- max pressure 100 bar



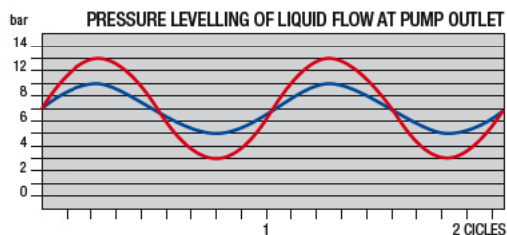
Art. 38097



Art. 38098

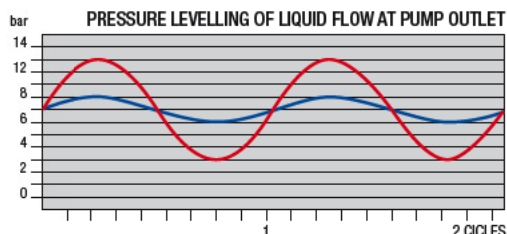


Pressure trend of oil pump outlet



with pump R 3:1 - 8 bar

■ without chamber Art. 38097
■ with chamber Art. 38097



with pump R 3:1 - 8 bar

■ without chamber Art. 38098
■ with chamber Art. 38098



Accessories for oil pumps

*



Art. 38210
Ball cock F 1/2" x F 1/2"
total passage for system
- max pressure 70 bar

Art. 38211
Ball cock F 1" x F 1"
total passage for system
- max pressure 70 bar

* articles not manufactured by us

*



Art. 38095
"Y" filter in line F/F 1/2" for
fitting on the outlet of pumps
for oil and allied products,
max pressure 100 bar

Art. 38096
"Y" filter in line F/F 1" for
fitting on the outlet of pumps
for oil and allied products,
max pressure 100 bar

* articles not manufactured by us

*



Art. 38099
**System overpressure
control valve**
- F 1/2" x F 1/2"
- Calibration 5 - 50 bar

Art. 38100
**System overpressure
control valve**
- F 3/4" x F 3/4"
- Calibration 5 - 50 bar

* articles not manufactured by us

*



Art. 37812
Pressure regulator
with condensate discharge
filter, lubricator, pressure
gauge and inlet-outlet
connections F/F 1/4"

Art. 37817
Pressure regulator
with condensate discharge
filter, lubricator, pressure
gauge and inlet-outlet
connections F/F 1/2"

* articles not manufactured by us



Art. 38091
Check valve
with connection for
flexible hose 1.1/4"
- thread 1"G - M to be
fitted on the draining
cock of tanks



Art. 38080
Hose holder ø 1.1/4" with
M 3/4" inlet connection

Art. 38081
Hose holder ø 1.1/4" with
M 1" inlet connection

Art. 38082
Hose holder ø 1.1/4" with
M 1.1/4" inlet connection

Art. 38083
Stainless steel hose holder
ø 3/4" with **M 1" inlet
connection**



Art. 38026
Flexible suction tube
ø 1.1/4" - 30 mm
- length 2 m for
wall-mounted pumps

Art. 38028
Flexible suction tube
ø 1.1/4" - 30 mm
- length 1 m for
wall-mounted pumps



Art. 33426
Flexible suction tube
ø 3/4"
- length 2 m for
wall-mounted s/steel
pumps



Art. 993.201 Hose M 1/4" x F 1/4" - 1 m - 20 bar
Art. 993.202 Hose M 1/4" x F 1/4" - 2 m - 20 bar
Art. 996.301 Hose M 1/2" x F 1/2" - 1 m - 150 bar
Art. 996.302 Hose F 1/2" x F 1/2" - 2 m - 150 bar
Art. 996.304 Hose M 1/2" x F 1/2" - 4 m - 150 bar
Art. 997.505 Hose M 1/4" x F 1/4" - 5 m - 150 bar
Art. 998.501 Hose M 1" x F 1" - 1 m - 150 bar
Art. 998.502 Hose M 1" x F 1" - 2 m - 150 bar



Accessories for oil pumps



Art. 38056

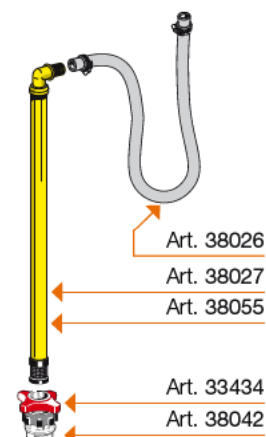
Flexible and rigid suction tube for wall mounted pump series 500 - 600 - 650 - 900 equipped with:

- Art. 38026 flexible suction tube 2 m - \varnothing 1.1/4"
- Art. 38027 rigid suction tube 940 mm
- Art. 38042 bung adaptor

Art. 38057

Flexible and rigid suction tube for wall mounted pump series 500 - 600 - 650 - 900 equipped with:

- Art. 38026 flexible suction tube 2 m - \varnothing 1.1/4"
- Art. 38055 rigid suction tube 1260 mm
- Art. 33434 bung adaptor



Art. 33583

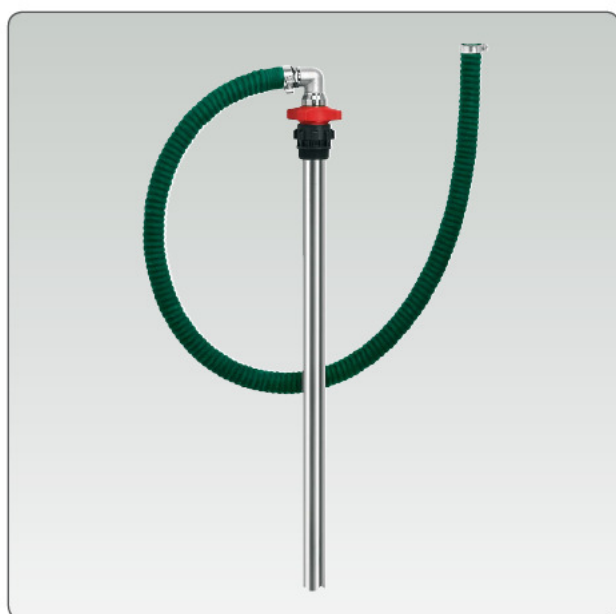
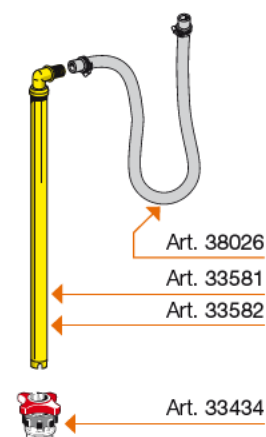
Flexible and rigid suction tube for wall mounted diaphragm pump equipped with:

- Art. 38026 flexible suction tube 2 m - \varnothing 1.1/4"
- Art. 33581 rigid suction tube 940 mm - \varnothing 1.1/4"
- Art. 33434 bung adaptor

Art. 33585

Flexible and rigid suction tube for wall mounted diaphragm pump equipped with:

- Art. 38026 flexible suction tube da 2 m - \varnothing 1.1/4"
- Art. 33582 rigid suction tube 1240 mm
- Art. 33434 bung adaptor



Art. 33424

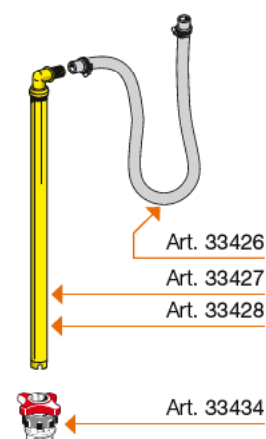
Flexible and rigid suction tube for wall mounted pump series 600 INOX equipped with:

- Art. 33426 flexible suction tube 2 m - \varnothing 3/4"
- Art. 33427 stainless steel suction tube 940 mm - \varnothing 3/4"
- Art. 33434 bung adaptor

Art. 33425

Flexible and rigid suction tube for wall mounted pump series 600 INOX equipped with:

- Art. 33426 flexible suction tube 2 m - \varnothing 3/4"
- Art. 33428 stainless steel suction tube 1260 mm - \varnothing 3/4"
- Art. 33434 bung adaptor





Accessories extensions 1" thread



Art. 38092

Top connector - filetto F 1" x F 1"
allows to connect pump M 1" thread with
extensions M 1" thread



Art. 10/21



Art. 10/22



Art. 10/23



Art. 10/24



Art. 10/25

Art. 10/21

Extension ø 34 - thread M 1"G x M 1"G - 460 mm
- suitable for modular and extendable pumps with F 1" connection

Art. 10/22

Extension ø 34 - thread M 1"G x M 1"G - 660 mm
- suitable for modular and extendable pumps with F 1" connection

Art. 10/23

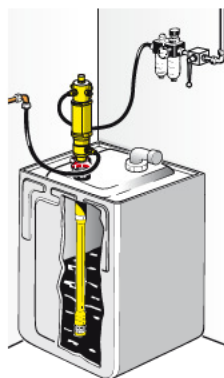
Extension ø 34 - thread M 1"G x M 1"G - 960 mm
- suitable for modular and extendable pumps with F 1" connection

Art. 10/24

Extension ø 34 - thread M 1"G x M 1"G - 1260 mm
- suitable for modular and extendable pumps with F 1" connection

Art. 10/25

Extension ø 34 - thread M 1"G x M 1"G - 1460 mm
- suitable for modular and extendable pumps with F 1" connection



Art. 38092

Art. 10/21

Art. 10/22

Art. 10/23

Art. 10/24

Art. 10/25

Art. 38090

Art. 10/20



Art. 38090



Art. 10/20

Art. 38090

Foot valve with air eliminator - F 1" thread
suitable to fit ø 34 extensions M 1"G thread

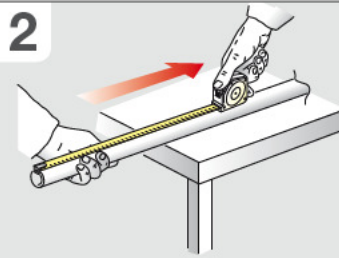
Art. 10/20

Foot valve with filter - F 1" thread
suitable to fit ø 34 extensions M 1"G thread

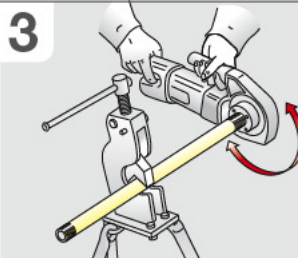
Extendable pumps suction tube 1"



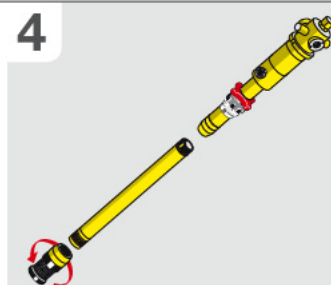
1
Obtain a water pipe (normally available on the market) ø 1" and thickness 2,5 mm



2
Cutting the length suitable for the container



3
Thread the 2 ends with 1" gas Male



4
Screw the threaded pipe between the pump and the foot valve (Art. 10/20)

Note: apply a sealant to prevent air infiltration in the pumping phase or oil leaks during stops



Accessories extensions for customising pumps



Art. 38084



Art. 38085



Art. 38086



Art. 38087



Art. 38088

Art. 38084
Top connector F 1"
for connection between
pump and extension

Art. 38085
Extension ø 32 mm
- 500 mm

Art. 38086
Connector to joint together
to extensions

Art. 38087
Extension ø 32 mm
- 200 mm

Art. 38088
Foot valve
complete with union and
filter



Art. 38084

Art. 38085

Art. 38086

Art. 38087

Art. 38088



Art. 38089



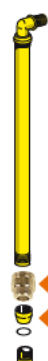
Art. 38093

Art. 38089
Differentiated union with
valve for suction tubes
ø 42 mm with the foot
valve removed it enables
connection between the
suction tube and the modular
extensions

Art. 38093
Union for foot valve
it connects the modular
extension, added to
the suction tube, to the
previously removed foot
valve

Suction tube bottom connections

Extension of the rigid suction
tube for adapting to tank depth



Art. 38089

Art. 38084

Art. 38085

Art. 38093

filter



Art. 80201



Art. 80210



Art. 80050

for trolleys
see page 130