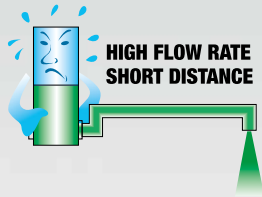




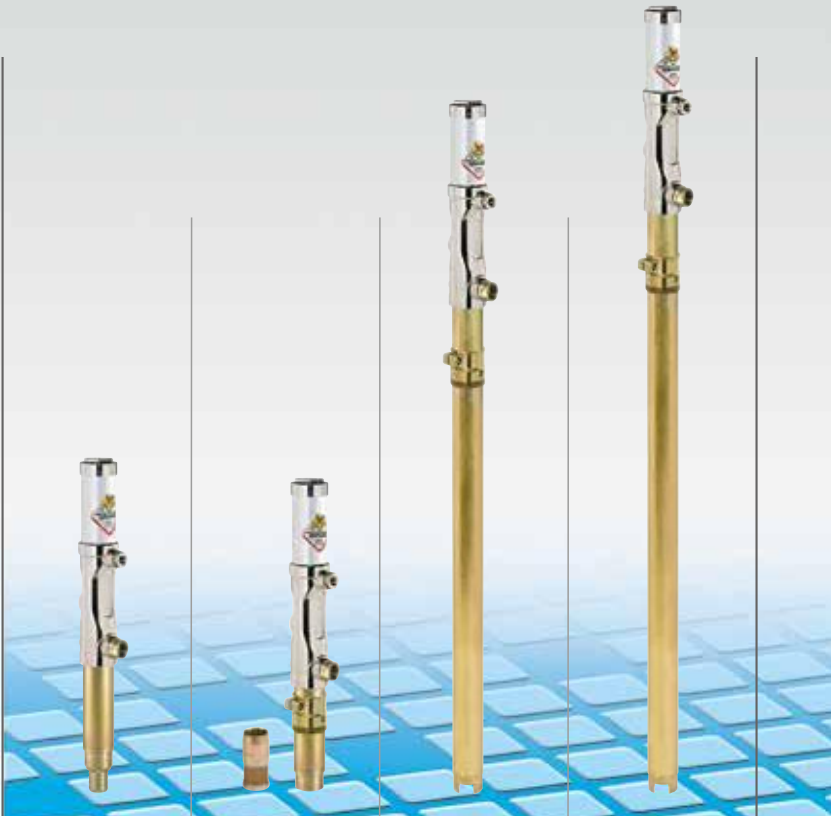
Air-operated pumps for TRANSFER

Ratio 1:1 Flow rate 35 l/min

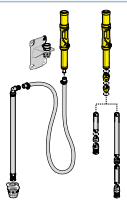
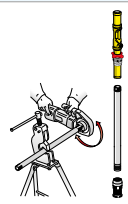
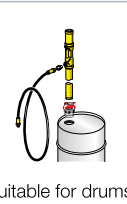





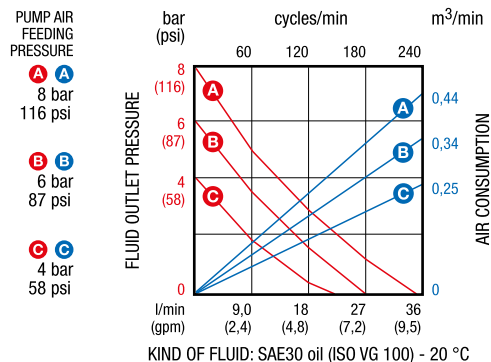
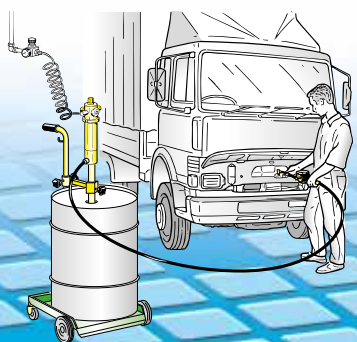
Air-operated pumps for short and medium-distance transfer.

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).



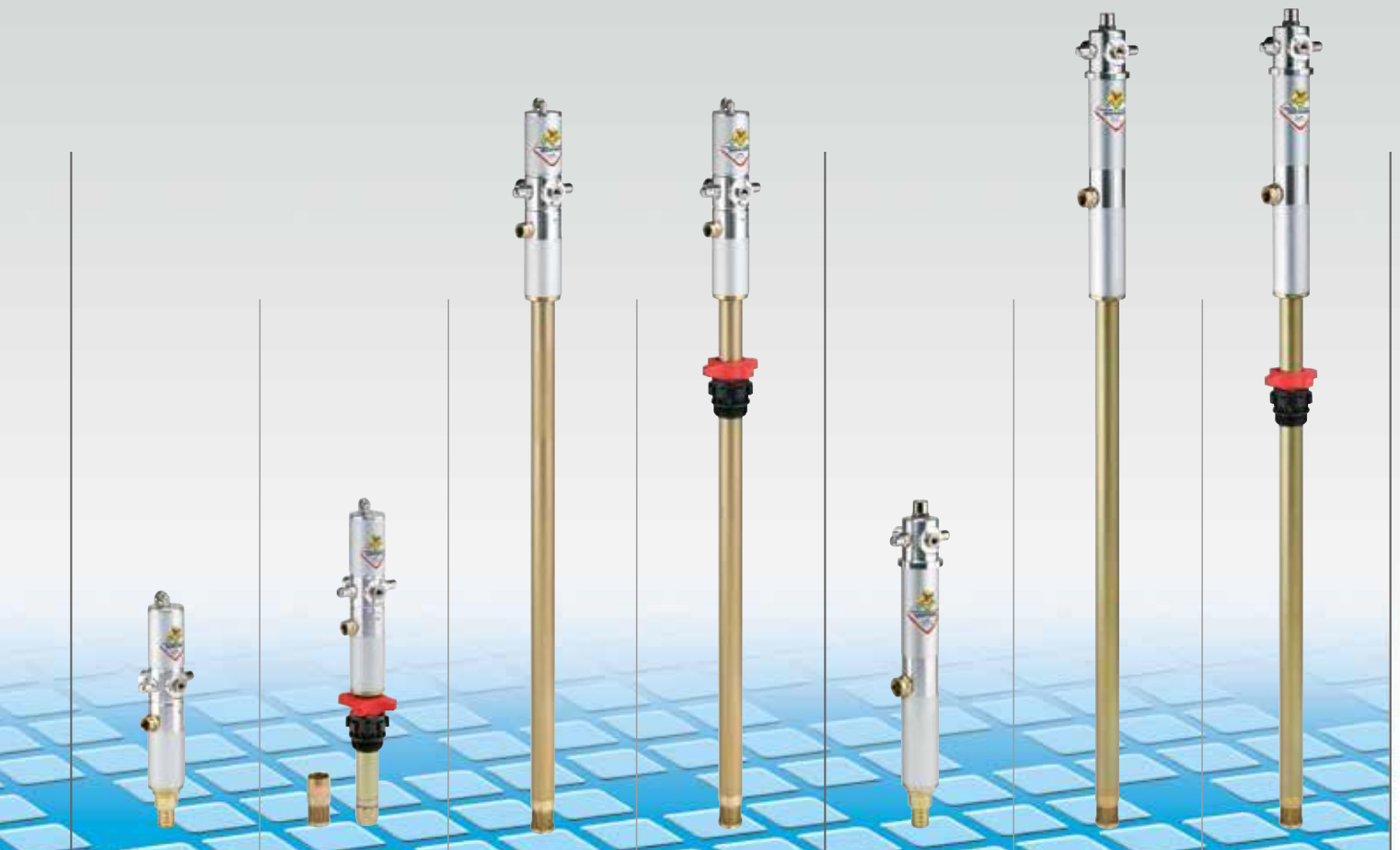
series 500

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		Aluminum			
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		 modular	 customisable 1"	 suitable for drums 50-60 Kg	 suitable for drums 180-220 kg
Packing	 N° - m ³	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
33070
33060

33081
33071
33061

33082
33072
33094

33083
33073
33096

33170
33160

33172
33194

33173
33196

Oils, lubricants and similar
Aluminum
Carbon steel

Oils, lubricants and similar
Aluminum
Carbon steel

F 1/4" G
F 1/2" G
6 - 8
230
81
80
-

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

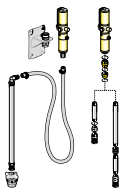
F 1/4" G
F 1/2" G
6 - 8
230
81
80
-

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

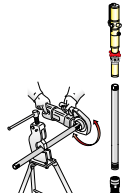
F 1/4" G
F 3/4" G
6 - 8
370
81
130
-

F 1/4" G
F 3/4" G
6 - 8
370
81
130
-

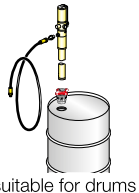
F 1/4" G
F 3/4" G
6 - 8
370
81
130
standard



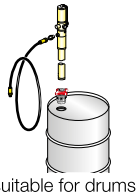
modular



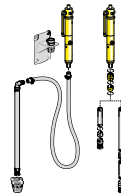
customisable 1"



suitable for drums
180-220 kg



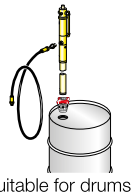
suitable for drums
180-220 kg



modular



suitable for drums
180-220 kg



suitable for drums
180-220 kg

1 - 0,006

4,3

35,5 - 0 - 0

1 - 0,006

5

35,5 - 22 - 4,2

1 - 0,020

6,2

35,5 - 94 - 4,2

1 - 0,020

6,3

35,5 - 94 - 4,2

1 - 0,010

5,3

50,5 - 0 - 0

1 - 0,020

7,3

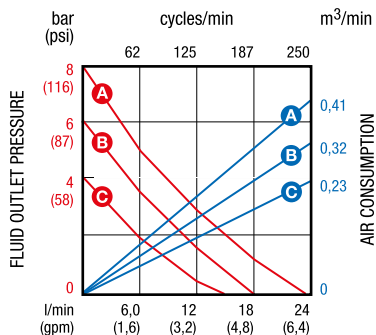
50,5 - 94 - 4,2

1 - 0,020

7,4

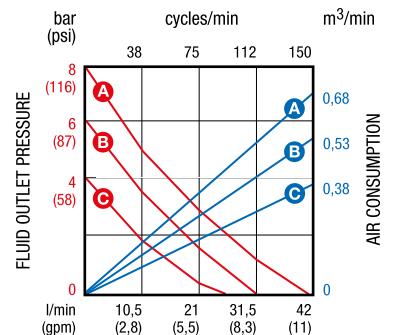
50,5 - 94 - 4,2

PUMP AIR FEEDING PRESSURE
A 8 bar 116 psi
B 6 bar 87 psi
C 4 bar 58 psi



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

PUMP AIR FEEDING PRESSURE
A 8 bar 116 psi
B 6 bar 87 psi
C 4 bar 58 psi

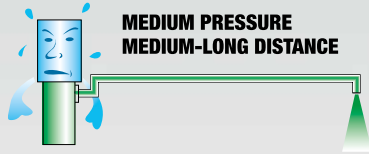


KIND OF FLUID: SAE30 oil (ISO VG 100) - 20 °C



Air-operated pumps for DISTRIBUTION

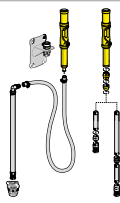
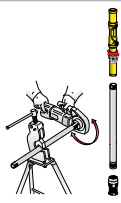
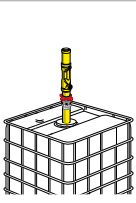


Ratio **3:1** Flow rate **20 l/min**

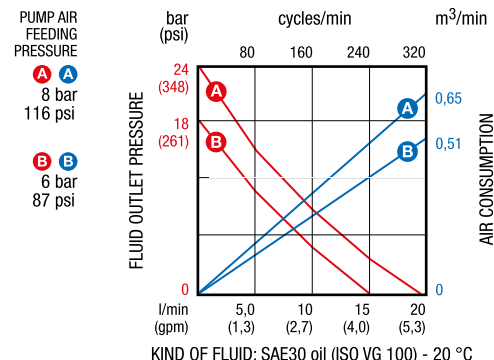


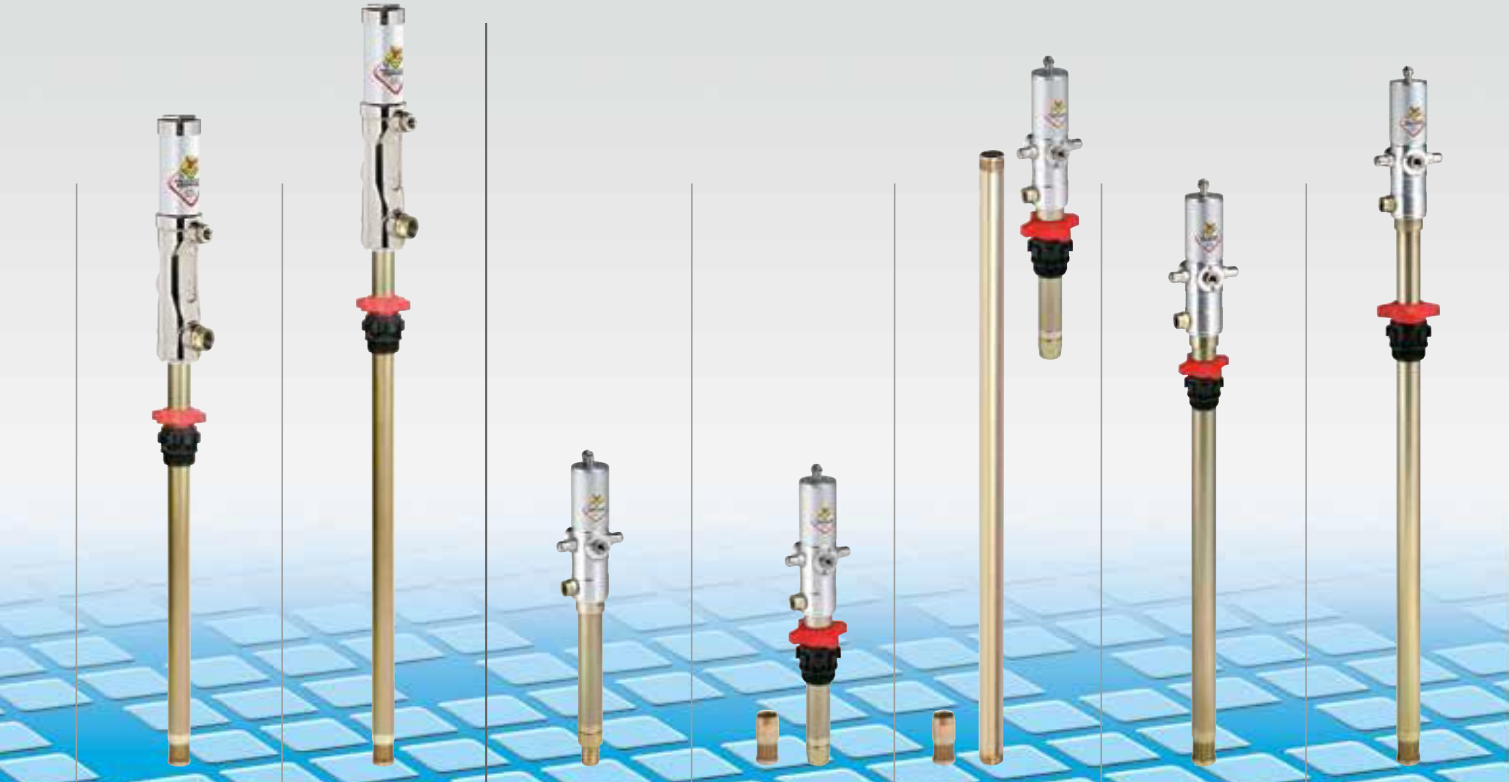
Air-operated pumps series 500 and 600 for medium distance distribution. Ideal for transferring low-medium viscosity fluids such as: oils, lubricants and similar products. Suitable for mobile unit or fixed installation. The wall-mounted version of these pumps, mounted on wall or in a fixed position by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



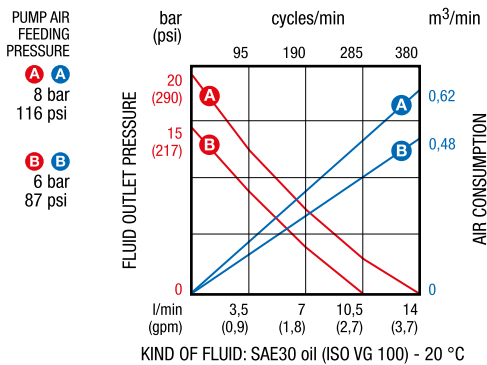
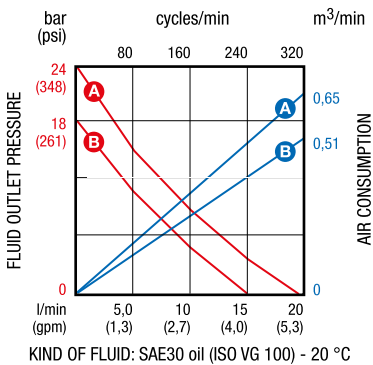
series 500

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		Aluminum		
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	6 - 8	6 - 8	6 - 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





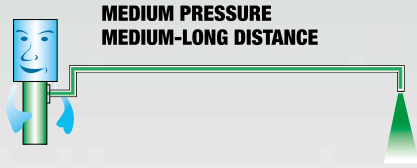
series 500		series 600				
		35160	35161	35163	35173	35194
					35176	35196
35076	35094					
Oils, lubricants and similar Aluminum Carbon steel		Oils, lubricants and similar Aluminum Carbon steel				
F 1/4" G	F 1/4" G	F 1/4" G	F 1/4" G	F 1/4" G	F 1/4" G	F 1/4" G
F 1/2" G	F 1/2" G	F 1/2" G	F 1/2" G	F 1/2" G	F 1/2" G	F 1/2" G
6 - 8	6 - 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).

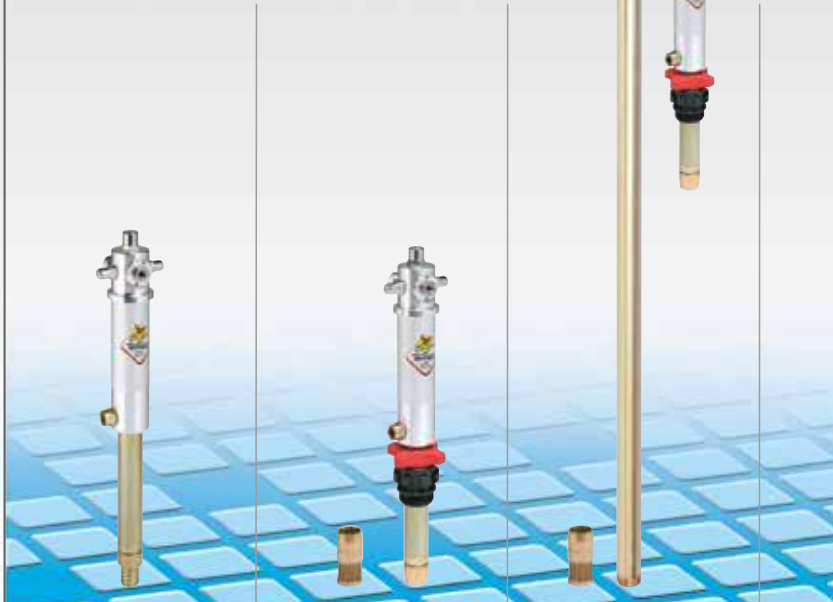
Article with seals in **NBR**

Article with seals in **NBR**

Compatible fluids		
Suction tube upper body		
Suction tube		
Air inlet connection	bsp	F 1/4" G
Fluid outlet connection	bsp	F 1/2" G
Air working pressure	bar	6 - 8
Average air consumption	l/min	350
Noise level	dB	81
Max deliverable oil viscosity	SAE	240
Bung adaptor		-

Suitable for drums or tanks

Packing	N° - m ³	1 - 0,01
Weight	kg	4,7
Dimensions (A - B - C)		cm



series **650**

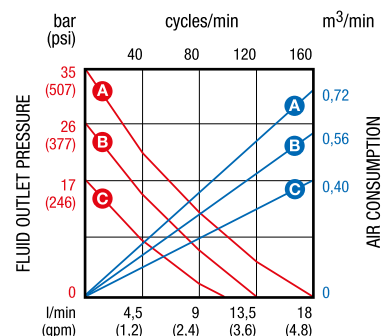
Article with seals in	NBR	36060	36061	36063
Medium/high-viscosity oil				
Aluminum				
Carbon steel				
Air inlet connection	bsp	F 1/4" G	F 1/4" G	F 1/4" G
Fluid outlet connection	bsp	F 1/2" G	F 1/2" G	F 1/2" G
Air working pressure	bar	6 - 8	6 - 8	6 - 8
Average air consumption	l/min	350	350	350
Noise level	dB	81	81	81
Max deliverable oil viscosity	SAE	240	240	240
Bung adaptor		-	standard	standard
Suitable for drums or tanks				
Packing	N° - m ³	1 - 0,01	1 - 0,01	1 - 0,02
Weight	kg	4,7	5,2	7,2
Dimensions (A - B - C)		cm	34,5 - 27 - 4,2	34,5 - 125 - 4,2

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

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

Aluminum

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



suitable for drums
180-220 kg

1 - 0,02

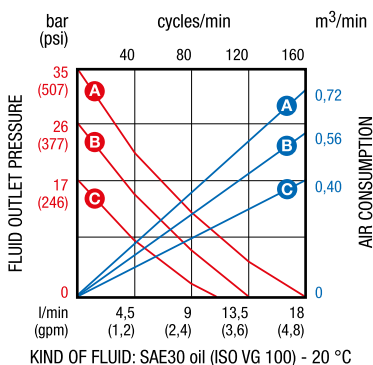
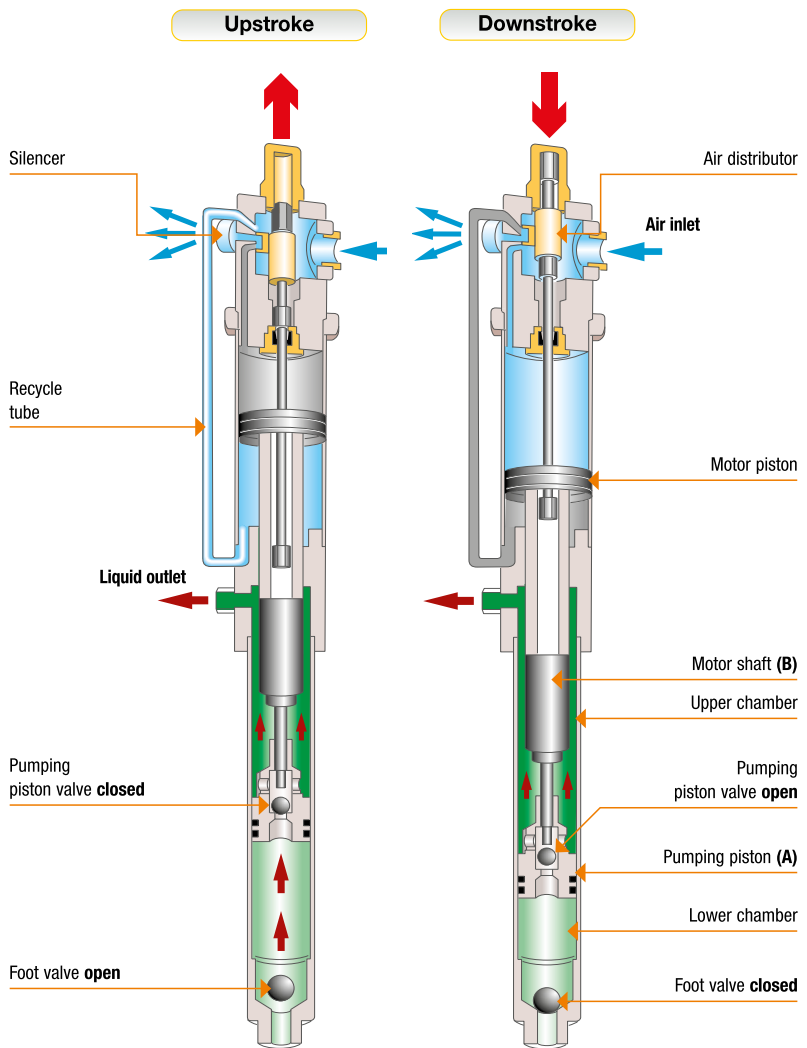
1 - 0,02

6,2

6,8

34,5 - 74 - 4,2

34,5 - 94 - 4,2

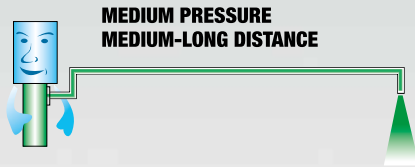


In addition to guaranteeing regular delivery of the fluid, this solution offers the further advantage of having fewer parts inside the pump. This means less wear plus greater and longer reliability.



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.

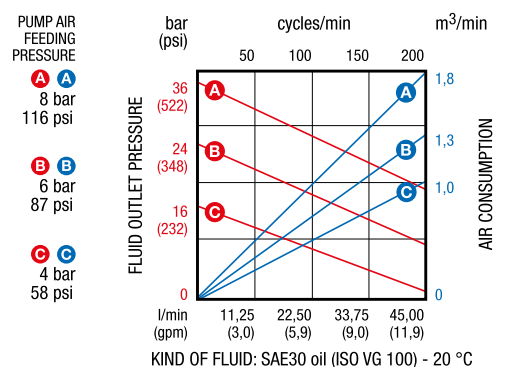


series **900**

Article with seals in	PU
Compatible fluids	Oils, lubricants and similar
Suction tube upper body	Aluminum
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	
Packing	N° - m ³ 1 - 0,040
Weight	kg 12
Dimensions (A - B - C)	cm 43 - 23 - 6,2

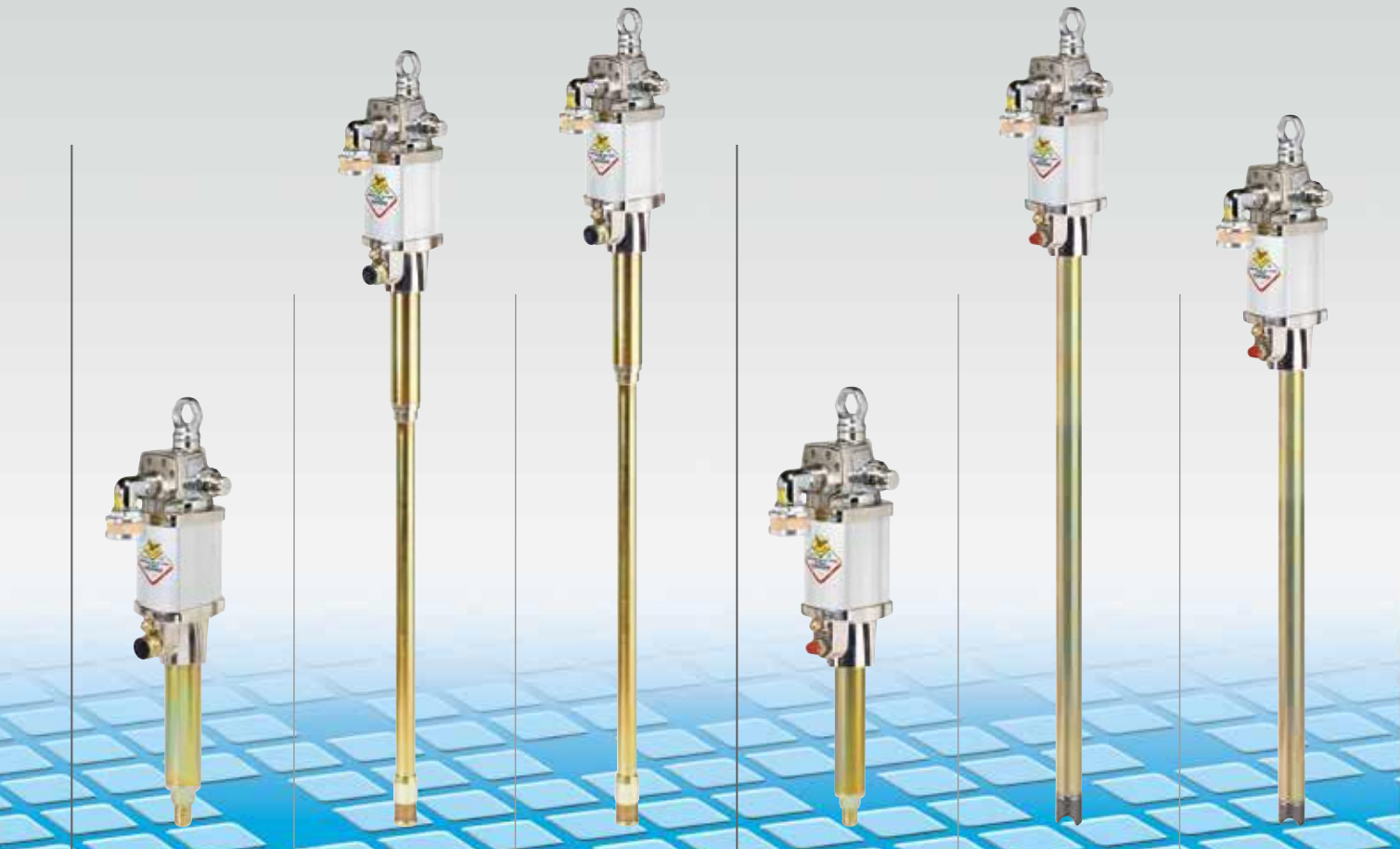


modular



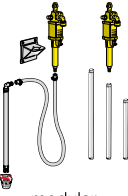

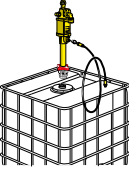
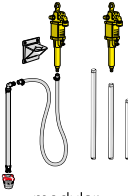

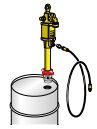
Ratio 7:1 Flow rate 30 l/min

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		
Aluminum			Aluminum		
Carbon steel			Carbon steel		
F 1/2"	F 1/2"	F 1/2"	F 1/2"	F 1/2"	F 1/2"
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

