



Art.no. 4224

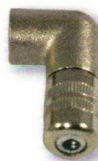


Art.no. 4226



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. 4259

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.

Art.no. **4259** - Needle nose adapter with quick coupling for the connection to hydraulic couplers, ideal for the lubrication of hard-to-reach points, especially for cardan shafts and small grease nipples, needle length 55 mm.

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

Please add suffix /18 to the article number (f. ex. 4255/18).

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 DIN 1293  $\varnothing$  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 DIN 1293  $\varnothing$  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.

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. **4216 + 4233** - Double steel braid rubber outlet hose 1/4", length 400 mm, connection 1/4" (M), with steel quick coupling, connection thread BSP 1/4" (F), in accordance with norm ISO 7241-1 B, to be connected on grease reservoirs in centralized lubrication systems for refilling.

Art.no. **4235** - Curved rigid outlet pipe, connection  $\varnothing$  1/2" (M), for the refilling of grease reservoirs in centralized lubrication systems.

Art.no. **4233** - Steel quick coupling, connection thread BSP 1/4" (F), in accordance with norm ISO 7241-1 B, suitable for the use with refilling accessories for the refilling of grease reservoirs in centralized lubrication systems.

Art.no. **4233M** - Hydraulic quick connector, in accordance with norm ISO 7241-1 B, connection thread BSP 1/4" (M), suitable for the use in combination with art.no. 4233.

Art.no. **4237** - Hydraulic quick coupling, connection thread BSP 1/2" (F), in accordance with norm ISO 7241-1 B, suitable for the use with refilling accessories for the refilling of grease reservoirs in centralized lubrication systems.

Art.no. **4237M** - Hydraulic quick connector, connection thread BSP 1/2" (M), in accordance with norm ISO 7241-1 B, suitable for the use with refilling accessories for the refilling of grease reservoirs in centralized lubrication systems.

Art.no. 4233  
Art.no. 4237

Art.no. 4233M  
Art.no. 4237M

Art.no. 4216 + 4233

Art.no. 4234

Art.no. 4235



Electronic 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.

Grease

Art.no. 4289



Art.no. 4286

Electronic 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

Electronic 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.

Art. no.	4286	4289
Connections	1/4" BSP (M)	M 10x1 (F)
Delivery min – max	0.20 - 2 kg/min	
Temperature	+ 2°C / + 50°C	
Max pressure	400 bar	
Precision	+/- 0.3% *	
Total max (resettable)	999.9 kg	
Total max (non resettable)	9999 kg	
Weight	1.4 kg	1.2 kg

\*Basic calibration made in factory with grease NLGI 0

Preset Function



Art.no. 4236

Electronic 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.

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



Electronic 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**

Electronic 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.

Art. no.	4285
Connections	1/2" BSP (M)
Delivery min – max	0.05 – 5 kg/min
Temperature	+2°C / + 50°C
Max pressure	50 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. **4282**

Art.no. **4287**

Electronic 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.

Art.no. **4282**

Electronic oval gears grease flow meter for the measurement of high quantities in grease transfer applications suitable for the use as inline meter.

Art. no.	4287	4282
Connections	1" BSP (M)	1" BSP (F)
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	1.6 kg

\*Basic calibration made in factory with grease NLGI 0



Pneumatic pumps for the transfer of low viscosity oils and antifreeze at high delivery and short pumping distances.

## STANDARD SERIES

Oil

1:1



Single acting - 35 l/min

Art.no. 2043  
Oil  
Waste oil

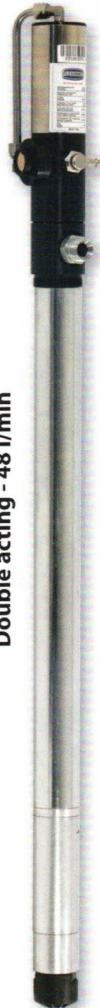
Art.no. 2049  
Pure antifreeze



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



Art.no. 2043  
Art.no. 2049

Single acting - 35 l/min

Art.no. 2203

Art.no. 2264  
Ø 1" 1.5"

OPTIONAL  
Art.no. 2264

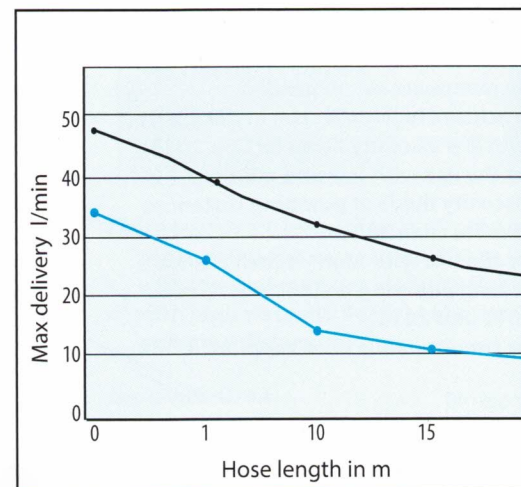
Art.no. 6647

Art.no. 2044 Oil / Waste oil

Art.no. 2047 Antifreeze

Art. no.	2040	2043 2049	2044 2047	2043/L 2047/L
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)			
Compression ratio	1.4:1	1:1		
Outlet pressure	10 bar (145 psi)	8 bar (116 psi)		
Delivery	48 l/min	35 l/min		
Connection compressed air	1/4" BSP (F)			
Connection lubricant outlet	3/4" BSP (M)			
Max air consumption with 8 bar pressure	210 l/min			
Length suction tube	950 mm	250 mm	-	950 mm
Diameter suction tube	55 mm			
Suitable for drums of	208 l	Any	Any	208 l
Weight	6.6 kg	4.4 kg	4.5 kg	5.2 kg
Dimensions (LxWxH) (mm)	95x95x1180	95x95x530	110x110x530	95x95x1180

See accessories on pages 49-51 and 62-71!



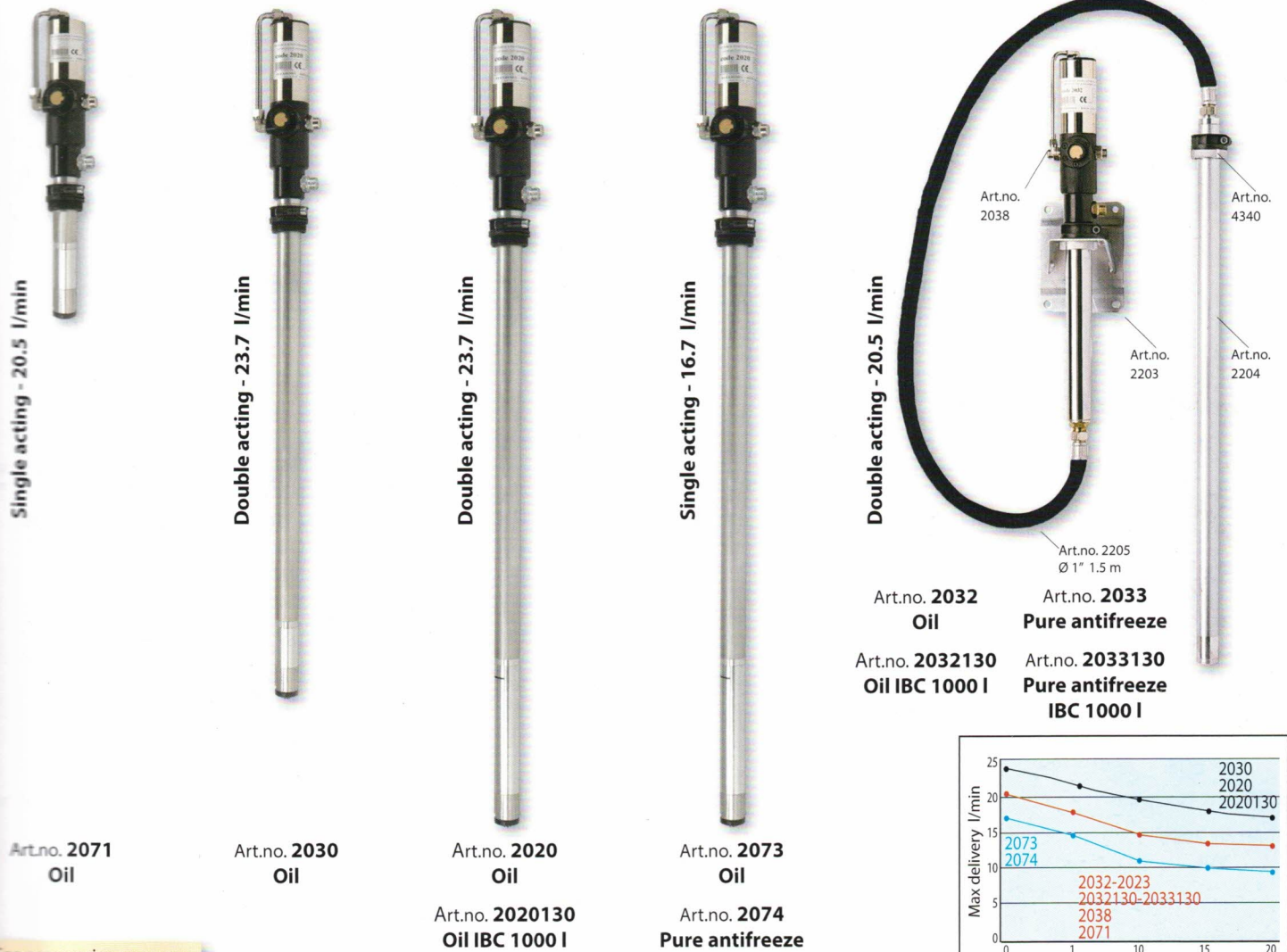
The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.



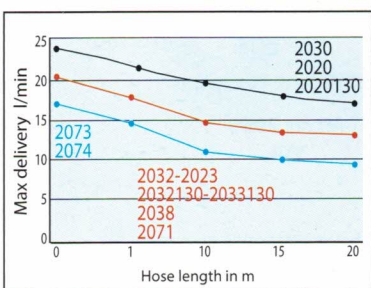
Pneumatic pumps for the supply of low and medium viscosity oils and antifreeze for the use in mobile kits or in pipeworks.

## STANDARD SERIES

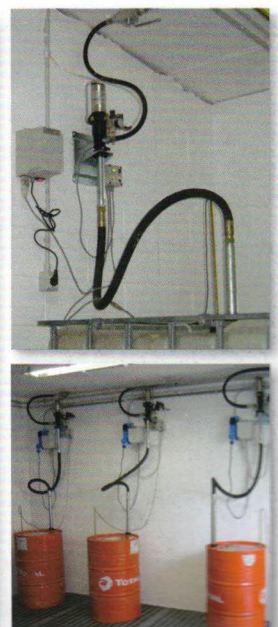
**3:1**



See accessories on pages 49-51 and 62-71!



Art. no.	2030	2020	2020130	2073 2074	2032 2033	2032130 2033130	2038	2071
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)							
Compression ratio	3:1							
Outlet pressure	24 bar (350 psi)							
Delivery	23.7 l/min			16.7 l/min		20.5 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	750 mm	950 mm	1300 mm	950 mm		1300 mm	380 mm	176 mm
Diameter suction tube	40 mm							
Suitable for drums of	60 l	208 l	1000 l	208 l		1000 l	Any	Any
Weight	5 kg	6 kg	6.2 kg	9 kg	5.2 kg	5.4 kg	4.5 kg	3.7 kg
Dimensions (LxWxH) (mm)	95x95x1070	95x95x1270	95x95x1500	95x95x1270	95x95x530	95x95x1500	95x95x700	95x95x415



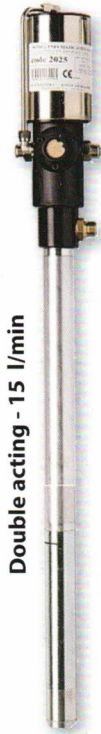
The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.



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

**STANDARD SERIES**

Oil



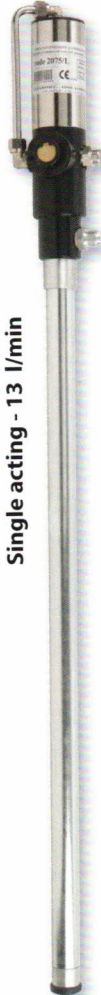
Double acting - 15 l/min

Art.no. **2035**  
Oil



Double acting - 15 l/min

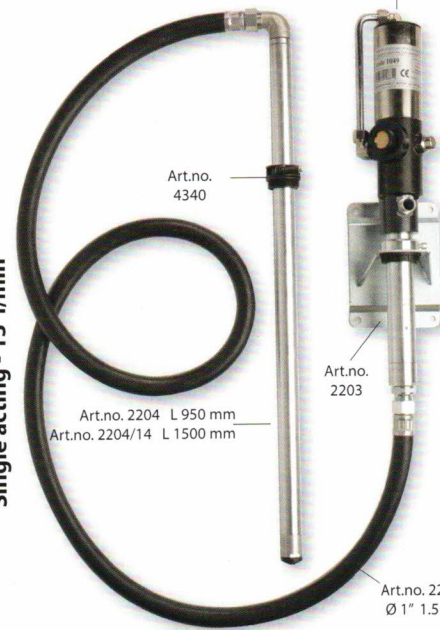
Art.no. **2025**  
Oil  
Art.no. **2025130**  
Oil IBC 1000 l



Single acting - 13 l/min

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

**5:1**



Single acting - 13 l/min

Art.no. **2076**  
Oil

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



Double acting - 18 l/min

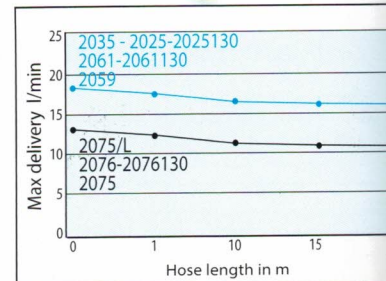
Art.no. **2061**

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

See accessories on pages 49-51 and 62-71!

Art. no.	2035	2025 2025130	2061 2061130	2075/L	2076 2076130	2059	2075
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)						
Compression ratio	5:1						
Outlet pressure	40 bar (580 psi)						
Delivery	18 l/min		13 l/min		18 l/min	13 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 (mm)	750	950/1300	950/1300	950	950/1300	260	
Diameter suction tube	40 mm					45 mm	40 mm
Suitable for drums of	60 l	208/1000 l	208/1000 l	208 l	208/1000 l	Any	Any
Weight	5.2 kg	5.8 kg	9 kg	9 kg	5 kg	4.6 kg	4 kg
Dimensions (LxWxH) (mm)	95x95x1070	95x95x1270			95x95x950	95x95x700	95x95x560

The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C Compressed air pressure 8 bar - free flow outlet.





## TWDE SERIES

Pneumatic oil pumps with double compressed air outlet distributor, assuring higher delivery rates compared to the standard versions.

3:1

5:1



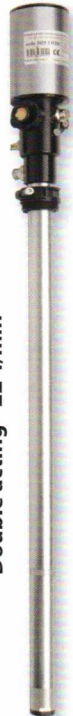
Double acting - 28 l/min

Art.no. 2030 TWDE



Double acting - 28 l/min

Art.no. 2020 TWDE



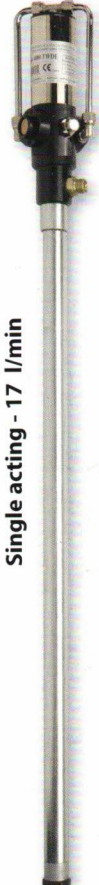
Double acting - 22 l/min

Art.no. 2035 TWDE



Double acting - 22 l/min

Art.no. 2025 TWDE

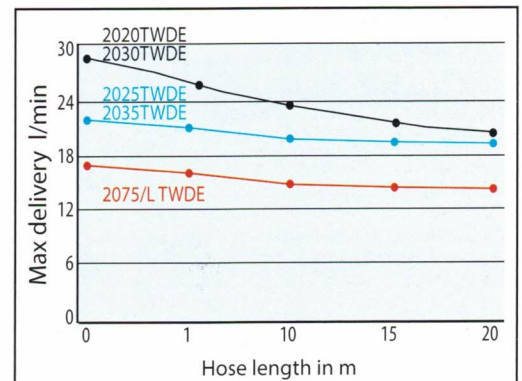


Single acting - 17 l/min

Art.no. 2075/L TWDE

See accessories on pages 49-51 and 62-71!

Art. no.	2020TWDE	2030TWDE	2025TWDE	2035TWDE	2075/L TWDE
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)				
Rapporto compressione	3:1		5:1		
Pressione di uscita	24 bar (350 psi)		40 bar (580 psi)		
Delivery	28 l/min		22 l/min		17 l/min
Connection compressed air	1/4" BSP (F)				
Connection lubricant outlet	1/2" BSP (M)				
Max air consumption with 8 bar pressure max	230 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				
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 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.



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.

**POWER BULL  
SERIES**

Oil



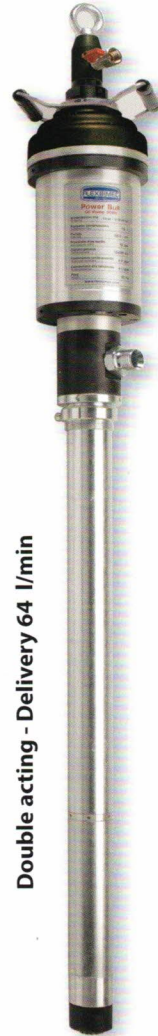
Single acting - Delivery 27 l/min

Art.no. 2057



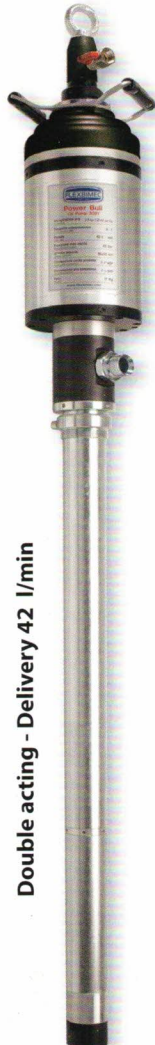
Single acting - Delivery 15 l/min

Art.no. 2058



Double acting - Delivery 64 l/min

Art.no. 2088

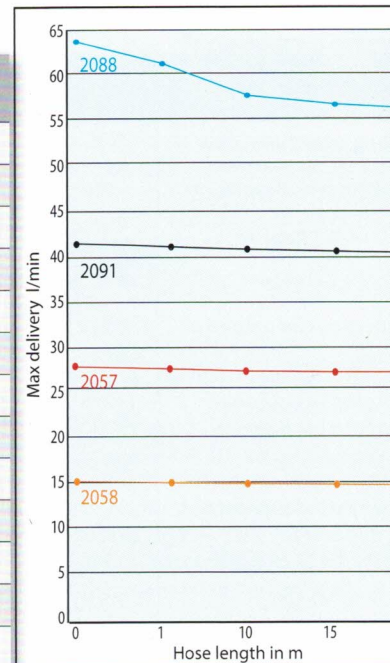


Double acting - Delivery 42 l/min

Art.no. 2091

See accessories on pages 49-51 and 62-71!

Art. no.	2057	2058	2088	2091
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)			
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 (1160 psi)	128 bar (1860 psi)	32 bar (465 psi)	48 bar (700 psi)
Max frequency strokes/min	150	120	150	120
Max air consumption with 8 bar pressure	2.05 m <sup>3</sup> /min	1.92 m <sup>3</sup> /min	2.05 m <sup>3</sup> /min	1.92 m <sup>3</sup> /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 (F)			
Application	Drum mounted pump			
Weight	15 kg	16 kg	16 kg	17 kg
Dimensions (LxWxH) (mm)	158x160x1600			



The a. m. performance values are based upon the following test conditions: Hydraulic oil ISO 68 at 22°C - Compressed air pressure 8 bar - free flow outlet.