

Pneumatic pumps for the transfer of grease or high viscosity oils at a constant pressure.

10:1



For 18-25 kg – pails

For 50 kg – drums

For 180 kg – drums

Art.no. 4043/20 Art.no. 4043/60 Art.no. 4043/180

25:1



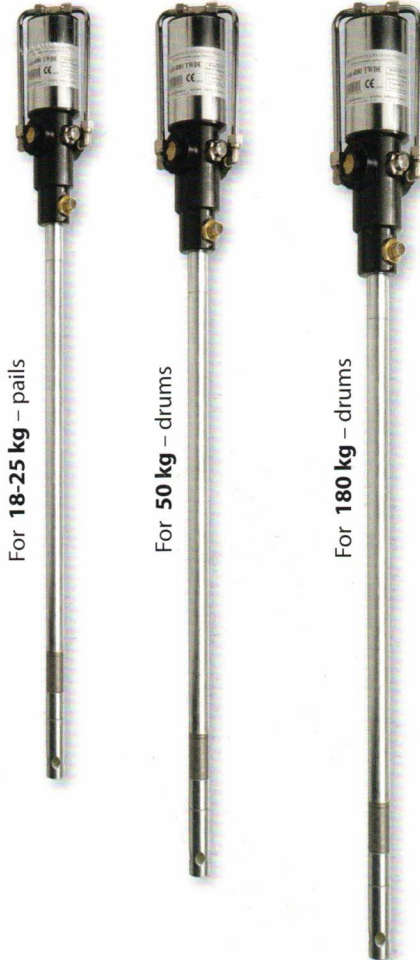
For 18-25 kg – pails

For 50 kg – drums

For 180 kg – drums

Art.no. 4022 Art.no. 4062 Art.no. 4082

45:1



For 18-25 kg – pails

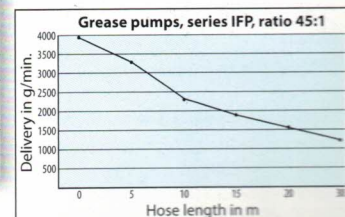
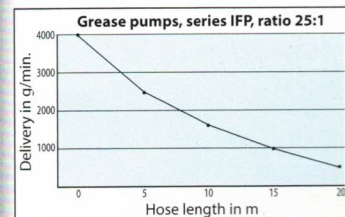
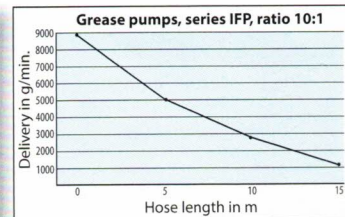
For 50 kg – drums

For 180 kg – drums

Art.no. 4083/20 Art.no. 4083/60 Art.no. 4083/180

See accessories on pages 32-37!

Art. no.	4043/20	4043/60	4043/180	4022	4062	4082	4083/20	4083/60	4083/180
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)			Pressure min 2 - max 8 bar (30 - 120 psi)			Pressure min 2 - max 8 bar (30 - 120 psi)		
Compression ratio	10:1			25:1			45:1		
Outlet pressure	80 bar (1200 psi)			200 bar (2900 psi)			360 bar (5200 psi)		
Delivery	6000 g/min			4000 g/min			3800 g/min		
Connection compressed air	1/4" BSP (F)			1/4" BSP (F)			1/4" BSP (F)		
Connection lubricant outlet	1/2" BSP (M)			1/2" BSP (M)			1/2" BSP (M)		
Max air consumption with 8 bar pressure	165 l/min			78 l/min			165 l/min		
Length suction tube	450 mm	750 mm	950 mm	450 mm	750 mm	950 mm	450 mm	750 mm	950 mm
Diameter suction tube	33 mm			28 mm			28 mm		
Dimensions LxWxH (mm)	95x95x690	95x95x780	95x95x1005	95x95x690	95x95x780	95x95x1005	95x95x690	95x95x780	95x95x1005
Suitable for pails / drums of	18 - 25 kg	50 kg	180 kg	18 - 25 kg	50 kg	180 kg	18 - 25 kg	50 kg	180 kg
Weight	4.5 kg	5.3 kg	5.7 kg	4.2 kg	5 kg	5.6 kg	4.4 kg	5.2 kg	5.8 kg



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

Pneumatic pumps for the use in short and medium distance dispensing lines or for high pressure lubrication.

50:1



For 16 kg – pails



For 18/25 kg – pails



For 50 kg – drums



For 180 kg – drums

Art.no. 4018

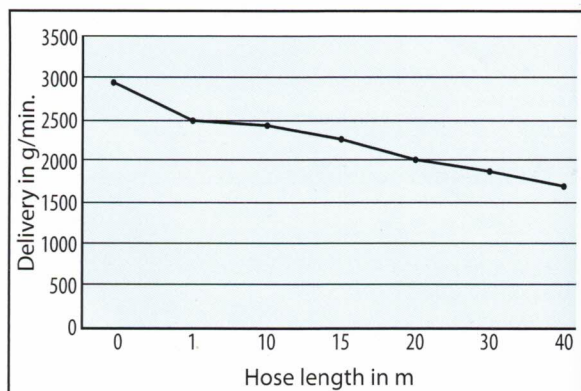
Art.no. 4020

Art.no. 4060

Art.no. 4080

See accessories on pages 32-37!

Art. no.	4018	4020	4060	4080
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)			
Compression ratio	50:1			
Outlet pressure	400 bar (5800 psi)			
Delivery	2900 g/min			
Connection compressed air	1/4" BSP (F)			
Connection lubricant outlet	1/4" BSP (M)			
Max air consumption with 8 bar pressure	78 l/min			
Length suction tube	335 mm	450 mm	750 mm	950 mm
Diameter suction tube	28 mm			
Dimensions LxWxH (mm)	95x95x690	95x95x780	95x95x1005	95x95x1250
Suitable for pails / drums of	16 kg	18 - 25 kg	50 kg	180 kg
Weight	3.8 kg	4.5 kg	5 kg	5.6 kg



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

Pneumatic pumps for the dispensing of grease – particularly high viscosity grease - or for high pressure lubrication. The TWDE series pumps combine a high compression ratio with an innovative constructional concept that permits to increase the delivery of the pump considerably. The escape of compressed air is improved by the use of a double distributor which at the same time reduces the formation of condensation water inside of the pump motor.

50:1



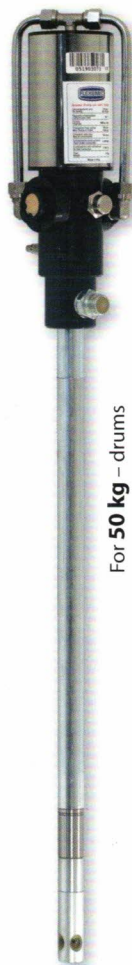
For **16 kg** – pails

Art.no. **4018TWDE**



For **18/25 kg** – pails

Art.no. **4020TWDE**



For **50 kg** – drums

Art.no. **4060TWDE**

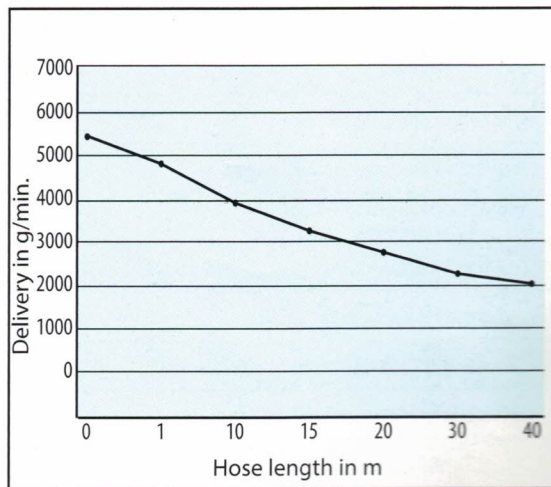


For **180 kg** – drums

Art.no. **4080TWDE**

See accessories on pages 32-37!

Art. no.	4018TWDE	4020TWDE	4060TWDE	4080TWDE
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)			
Compression ratio	50:1			
Outlet pressure	400 bar (5800 psi)			
Delivery	5200 g/min			
Connection compressed air	1/4" BSP (F)			
Connection lubricant outlet	1/4" BSP (M)			
Max air consumption with 8 bar pressure	120 l/min			
Length suction tube	335 mm	450 mm	750 mm	950 mm
Diameter suction tube	28 mm			
Dimensions LxWxH (mm)	95x95x690	95x95x780	95x95x1005	95x95x1250
Suitable for pails / drums of	16 kg	18 - 25 kg	50 kg	180 kg
Weight	3.9 kg	4.3 kg	5.1 kg	5.7 kg



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

Pneumatic pumps for the use in long distance dispensing lines or for high pressure lubrication.

100:1



For 16 kg – pails

Art.no. 4019



For 18/25 kg – pails

Art.no. 4021



For 50 kg – drums

Art.no. 4061

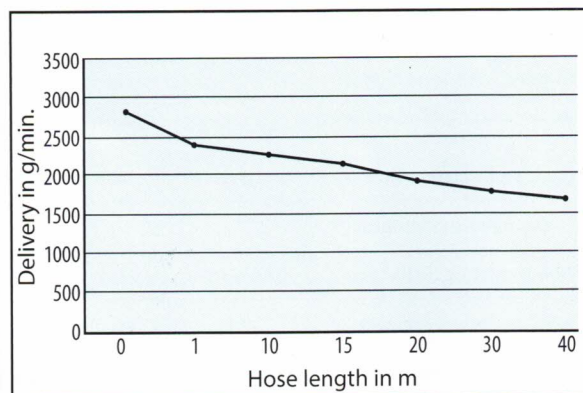


For 180 kg – drums

Art.no. 4081

See accessories on pages 32-37!

Art. no.	4019	4021	4061	4081
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)			
Compression ratio	100:1			
Outlet pressure	800 bar (11600 psi)			
Delivery	2700 g/min			
Connection compressed air	1/4" BSP (F)			
Connection lubricant outlet	1/4" BSP (M)			
Max air consumption with 8 bar pressure	110 l/min			
Length suction tube	335 mm	450 mm	750 mm	950 mm
Diameter suction tube	28 mm			
Dimensions LxWxH (mm)	95x95x690	95x95x780	95x95x1005	95x95x1250
Suitable for pails / drums of	16 kg	18 - 25 kg	50 kg	180 kg
Weight	3.8 kg	4.2 kg	5 kg	5.6 kg



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

Pneumatic pumps for the dispensing of grease – particularly high viscosity grease - or for high pressure lubrication and a use in long distance dispensing lines. The TWDE series pumps combine a high compression ratio with an innovative constructional concept that permits to increase the delivery of the pump considerably. The escape of compressed air is improved by the use of a double distributor which at the same time reduces the formation of condensation water inside of the pump motor.

100:1

250:1



For 16 kg – pails



For 18/25 kg – pails



For 50 kg – drums



For 180 kg – drums



For 180 kg – drums

Art.no. **4019TWDE**

Art.no. **4021TWDE**

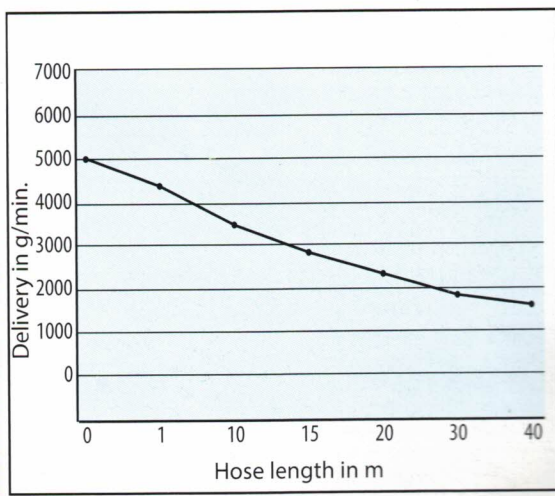
Art.no. **4061TWDE**

Art.no. **4081TWDE**

Art.no. **4025**

See accessories on pages 32-37!

Art. no.	4019 TWDE	4021 TWDE	4061 TWDE	4081 TWDE	4025
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)				Max 5 bar
Compression ratio	100:1				250:1
Outlet pressure	800 bar (11600 psi)				1100 bar
Delivery	3800 g/min				800 g/min
Connection compressed air	3/8" BSP (F)				
Connection lubricant outlet	1/2" BSP (M)				
Max air consumption with 8 bar pressure	165 l/min				
Length suction tube	335 mm	450 mm	750 mm	950 mm	
Diameter suction tube	28 mm				
Dimensions LxWxH (mm)	95x95x690	95x95x780	95x95x1005	95x95x1250	130x130x1250
Suitable for pails / drums of	16 kg	18 - 25 kg	50 kg	180 kg	
Weight	3.9 kg	4.3 kg	5.1 kg	5.7 kg	9.0 kg



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

Grease

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



Delivery 19000 g/min

Art.no. 4046



Delivery 22000 g/min

Art.no. 4047

Art.no. 4046

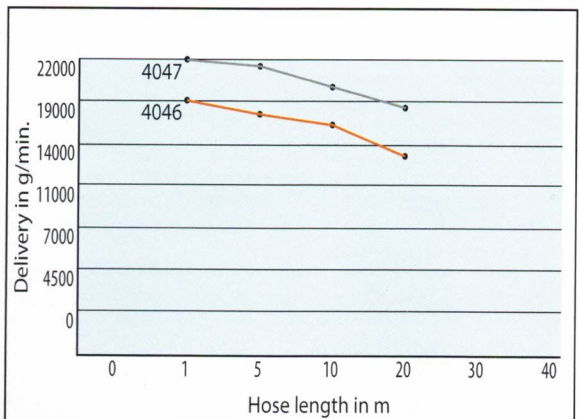
Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	19.00	18.00	18.00	18.00	104
5	18.00	16.00	13.20	11.00	96
10	17.50	14.90	12.60	9.10	70
20	13.80	11.10	7.60	6.90	49

Art.no. 4047

Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	22.00	21.00	21.00	21.00	56
5	21.50	20.00	16.90	14.20	38
10	20.00	18.40	15.00	12.10	20
20	18.60	17.00	10.20	7.40	14

See accessories on pages 32-37!

Art. no.	4046	4047
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)	
Compression ratio	13:1	7:1
Max outlet pressure	104 bar (1500 psi)	56 bar (812 psi)
Delivery	19000 g/min	22000 g/min
Max frequency strokes/min	60	120
Connection compressed air	1/2" BSP (F)	
Connection lubricant outlet	1" BSP (M)	
Max air consumption with 8 bar pressure	1.80 m ³ /min	1.92 m ³ /min
Diameter pneumatic piston	160 mm	125 mm
Diameter suction tube	70x50 mm	70x50 mm
Suitable for pails / drums of	180 kg	180 kg
Weight	26 kg	22 kg



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



Delivery 15000 g/min
 Delivery 12000 g/min
 Delivery 6000 g/min
 Delivery 4900 g/min

Art.no. 4048 Art.no. 4049 Art.no. 4050 Art.no. 4051

See accessories on pages 32-37!

Art. no.	4048	4049	4050	4051
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)			
Compression ratio	30 : 1	50 : 1	90 : 1	75 : 1
Max outlet pressure	240 bar (3500 psi)	400 bar (5800 psi)	720 bar (10450 psi)	600 bar (8700 psi)
Delivery	15000 g/min	12000 g/min	6000 g/min	4900 g/min
Max frequency strokes/min	150	120	60	60
Connection compressed air	1/2" BSP (F)			
Connection lubricant outlet	1" BSP (M)			
Max air consumption with 8 bar pressure	1.86 m ³ /min	1.92 m ³ /min	1.80 m ³ /min	1.80 m ³ /min
Diameter pneumatic piston	100 mm	125 mm	160 mm	160 mm
Diameter suction tube	50x22 mm			
Suitable for pails / drums of	180 kg			
Weight	18 kg	22 kg	24 kg	25 kg

Art. no. 4048

Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	15.00	12.70	11.60	9.30	240
5	14.60	10.30	8.50	5.30	200
10	10.50	8.00	6.20	3.80	165
20	8.60	5.20	4.10	3.10	140
30	6.50	4.40	3.80	2.20	130
40	5.30	4.10	3.40	1.70	110
50	4.20	3.80	6.00	0.80	85
70	3.00	2.50	1.80	0.30	60

Art. no. 4049

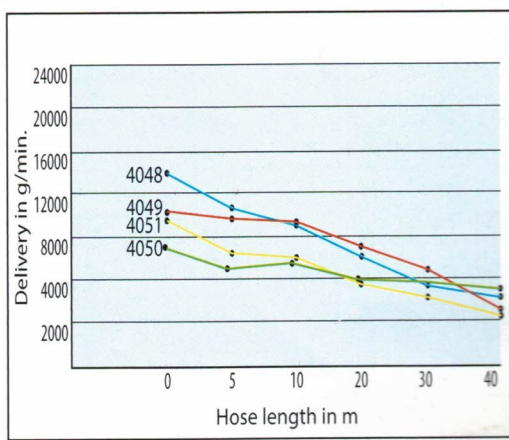
Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	13.10	9.60	8.60	7.80	400
5	12.90	9.00	7.90	5.60	360
10	12.20	8.20	6.70	4.00	240
20	10.60	6.40	4.80	2.30	220
30	8.80	4.70	3.10	2.10	180
40	8.00	3.20	2.50	1.70	150
50	7.60	2.80	2.20	1.40	110
70	7.20	2.50	1.90	0.90	85

Art. no. 4050

Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	7.00	6.30	5.70	5.10	720
5	6.80	5.80	5.20	4.10	680
10	6.40	5.30	4.70	3.50	420
20	5.90	4.30	3.50	2.10	400
30	4.80	3.30	2.90	1.90	370
40	4.50	2.90	2.50	1.70	340
50	4.30	2.60	2.20	1.60	250
70	4.00	2.20	2.10	1.30	180

Art. no. 4051

Distance (m)	Delivery grease (kg/min)				Pressure (bar)
	NLGI 0	NLGI 1	NLGI 2	NLGI 3	
1	5.20	5.00	4.90	4.20	600
5	5.00	4.80	4.40	3.40	580
10	4.60	4.30	3.90	2.80	360
20	4.50	4.00	3.30	2.00	340
30	4.30	3.00	2.50	1.70	320
40	4.10	2.80	2.20	1.50	280
50	4.00	2.50	2.00	1.30	200
70	3.80	2.10	1.90	1.10	120



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

The industrial pump series POWER BULL in the divorced version allows the combination of 2 different pneumatic motors with two different suction tubes so that 4 different configurations can be composed. In these models the air-operated motor and the pumping assembly are separated in order to avoid any potential fluid contamination of the motor.

Grease



See accessories on pages 32-37!

Art. no. pneumatic motor	5002		5003	
	5090	5091	5090	5091
Compressed air supply	Pressure min 2 - max 8 bar (30 - 120 psi)		Pressure min 2 - max 8 bar (30 - 120 psi)	
Compression ratio	50 : 1	7 : 1	75 : 1	13 : 1
Outlet pressure	400 bar (5800 psi)	56 bar (816 psi)	600 bar (8700 psi)	104 bar (1500 psi)
Delivery	12000 g/min	22000 g/min	4900 g/min	19000 g/min
Max frequency strokes/min	120		60	
Connection compressed air	1/2" BSP (F)		1/2" BSP (F)	
Connection lubricant outlet	1" BSP (M)		1" BSP (M)	
Max air consumption with 8 bar pressure	1.92 m ³ /min		1.80 m ³ /min	
Diameter pneumatic piston	125 mm		160 mm	
Diameter suction tube	50x22 mm	70x50 mm	50x22 mm	70x50 mm
Dimensions	160x160x1700 mm			
Suitable for drums of	180 kg		180 kg	
Weight	21 kg	23 kg	25 kg	27 kg

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