

Ref.: 531420



PNEUMATIC PISTON GREASE PUMP, PUMPMASTER 45, PM45 - 40:1, 50 KG (120 LB) DRUMS

PM45 series air operated piston pumps. High flow double acting pumps with high pressure delivery for use in lubrication systems that require a combination of high flow and pressure delivery. Pumps can be used with grease up to NLGI-2 viscosity. These pumps can be used in medium length systems that include simultaneous operation outlets. Pumps are available for cover mount to 50 kg - 120 lb and 185 kg - 400 lb open drums and for horizontal and side mount on grease totes and bags. Air consumption at 5 bar (70 psi) air pressure, NLGI-2 grease at 20 °C (68 °F) and 80 cpm. Noise level measured at 1 m (3.3') from the pump, 7 bar (100 psi) air pressure and free delivery. Instruction book: 853804.

Technical data

Documentation

More information

Fluids	Grease
Compatible fluids	Grease
Pump mounting	50 kg (120 lb) drums
Pressure ratio	40:1
Air pressure operating range	1,5-14 bar (21,75-203 psi)
Air consumption	750 NL/min (26,5 scfm)
Maximum outlet pressure	560 bar (8120 psi)
Air motor effective diameter	115 mm (4,5")
Air motor stroke	100 mm (4")
Delivery per cycle	3,5 kg (7,5 lb)
Cycles per minute (aprox.)	80 cycles
Delivery	3,5 kg/min (7,5 lb/min)
Maximum free flow delivery	11 kg/min (24,3 lb/min)
Air inlet	1/2" BSP (F)
Fluid inlet type	Chop-check
Fluid outlet	1/2" BSP (F)
Wetted materials	Cast iron, Steel, Hard chromed steel, UHMWPE, NBR, PTFE
Pump tube material	Carbon steel
Sound level	80 dB
Tube height	650 mm (25,6")
Total height	1152 mm (45,3")
Weight	22 kg (48,5 lb)

Technical data

Documentation

More information

Instruction manuals

853804 Instruction book: Pneumatic piston grease pump, Pumpmaster 45, PM45 - 40:1 (PDF)

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Catalogs

Product catalogue: GENERAL EXPORT, 2024 EN (PDF)

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Spare parts

Spare part document: PM4502 531410 (PDF)

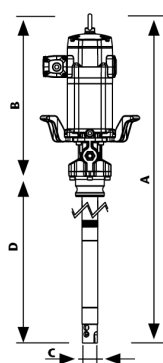
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Technical data

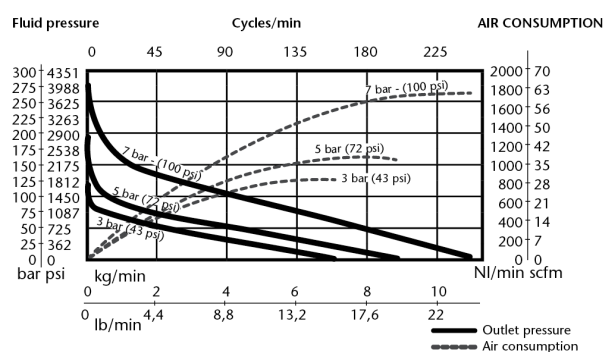
Documentation

More information

mm (in)	531 420
A	1.152 (45 1/4")
B	502 (19 3/4")
C	50 (2")
D	650 (25 1/2")



NLGI-2, 21 °C (70 °F) CAPACITY CURVE



Models

Code	Fluids	Pump Mounting	Fluid Outlet	Tube Height	Total Height
531420	Grease	50 kg (120 lb) drums	1/2" BSP (F)	650 mm (25,6")	1152 mm (45,3")
531430	Grease	Bulk tote	1/2" BSP (F)	490 mm (19,3")	992 mm (39")
531410	Grease	185 kg (400 lb) drums	1/2" BSP (F)	855 mm (33,7")	1357 mm (53,4")
531431	Grease	Bulk tote	1/2" NPT (F)	490 mm (19,3")	992 mm (39")
531421	Grease	50 kg (120 lb) drums	1/2" NPT (F)	650 mm (25,6")	1152 mm (45,3")
531411	Grease	185 kg (400 lb) drums	1/2" NPT (F)	855 mm (33,7")	1357 mm (53,4")