

Ref.: 531410



## PNEUMATIC PISTON GREASE PUMP, PUMPMaster 45, PM45 - 40:1, 185 KG (400LB) 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

<b>Fluids</b>	Grease
<b>Compatible fluids</b>	Grease
<b>Pump mounting</b>	185 kg (400 lb) drums
<b>Pressure ratio</b>	40:1
<b>Air pressure operating range</b>	1,5-14 bar (21,75-203 psi)
<b>Air consumption</b>	750 NL/min (26,5 scfm)
<b>Maximum outlet pressure</b>	560 bar (8120 psi)
<b>Air motor effective diameter</b>	115 mm (4,5")
<b>Air motor stroke</b>	100 mm (4")
<b>Delivery per cycle</b>	3,5 kg (7,5 lb)
<b>Cycles per minute (aprox.)</b>	80 cycles
<b>Delivery</b>	3,5 kg/min (7,5 lb/min)
<b>Maximum free flow delivery</b>	11 kg/min (24,3 lb/min)
<b>Air inlet</b>	1/2" BSP (F)
<b>Fluid inlet type</b>	Chop-check
<b>Fluid outlet</b>	1/2" BSP (F)
<b>Wetted materials</b>	Cast iron, Steel, Hard chromed steel, UHMWPE, NBR, PTFE
<b>Pump tube material</b>	Carbon steel
<b>Sound level</b>	80 dB
<b>Tube height</b>	855 mm (33,7")
<b>Total height</b>	1357 mm (53,4")
<b>Weight</b>	25 kg (55 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)

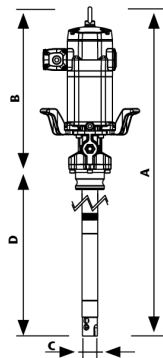
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## Technical data

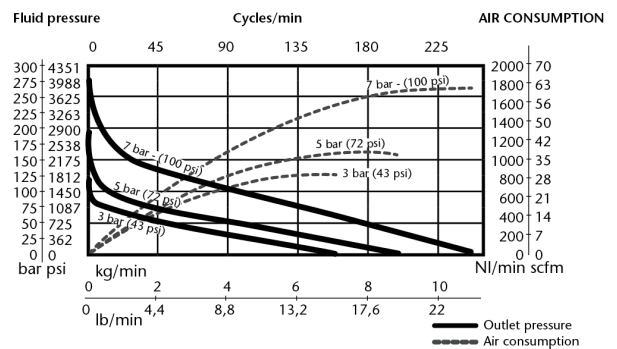
## Documentation

## More information

mm (in)	531 410
A	1.357 (53 1/4")
B	502 (19 3/4")
C	50 (2")
D	855 (33 1/2")



NLGI-2, 21 °C (70 °F) CAPACITY CURVE



## Models

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