

Ref.: 531711



## PNEUMATIC PISTON GREASE PUMP, PUMPMaster 45, PM45 - 70:1, 185 KG (400 LB) DRUMS, NPT

PM45 series air operated piston pumps. High pressure double acting pump for use in applications that require extra pressure output or when cold temperatures a low air pressure could limit pump performance. Pumps can be used with grease up to NLGI-2 viscosity. These pumps can be used in large distribution systems that include simultaneous operation outlets. Pumps are available for cover mount to 50 kg - 120 lb and 185 kg - 400 lb open drum 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: 853806.

### 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>	70:1
<b>Air pressure operating range</b>	1,5-7 bar (21,75-101,5 psi)
<b>Air consumption</b>	925 NL/min (32,6 scfm)
<b>Maximum outlet pressure</b>	490 bar (7105 psi)
<b>Air motor effective diameter</b>	115 mm (4,5")
<b>Air motor stroke</b>	100 mm (4")
<b>Delivery per cycle</b>	7,5 kg (16 lb)
<b>Cycles per minute (aprox.)</b>	80 cycles
<b>Delivery</b>	2 kg/min (4,5 lb/min)
<b>Maximum free flow delivery</b>	7,5 kg/min (16,5 lb/min)
<b>Air inlet</b>	1/2" NPT (F)
<b>Fluid inlet type</b>	Chop-check
<b>Fluid outlet</b>	1/2" NPT (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

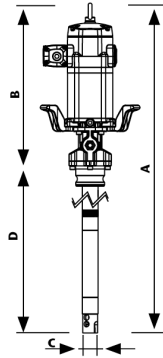
### More information

Technical data

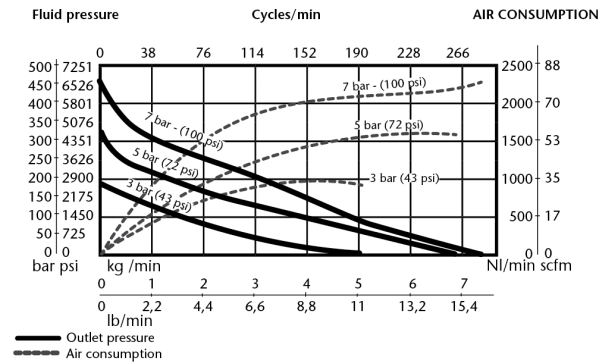
Documentation

More information

mm (in)	531 710
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
531711	Grease	185 kg (400 lb) drums	1/2" NPT (F)	855 mm (33,7")	1357 mm (53,4")
531731	Grease	Bulk tote	1/2" NPT (F)	490 mm (19,3")	992 mm (39")
531730	Grease	Bulk tote	1/2" BSP (F)	490 mm (19,3")	992 mm (39")
531721	Grease	50 kg (120 lb) drums	1/2" NPT (F)	650 mm (25,6")	1152 mm (45,3")
531720	Grease	50 kg (120 lb) drums	1/2" BSP (F)	650 mm (25,6")	1152 mm (45,3")
531710	Grease	185 kg (400 lb) drums	1/2" BSP (F)	855 mm (33,7")	1357 mm (53,4")