



Heavy-Duty High Pressure Pumps

Double-acting, air-operated, high pressure, heavy-duty pumps for dispensing lubricants in large size installations or when cold temperatures or high product viscosity could limit pump performance. Built in port for optional pressure relief valve (609 008).

4 1/2" air motor

Pneumatically actuated air valve with only three moving parts and no springs. Large effective area for maximum pumping power

Efficient air exhaust

Prevents icing, which can stall pump operation

Long life packings

Dual packing seals provide longer trouble free operation

High quality materials

Low friction polyurethane seals, hard chromed steel fluid plunger and steel valves for fewer repairs

Cast iron pump body

To withstand tougher working conditions

Built-in port for connecting a pressure relief valve

Efficient relief of adverse effects of overpressure caused by oil thermal expansion using pressure relief valve (609 008)

TECHNICAL SPECIFICATIONS

Pump ratio	10:1
Air pressure operating range	20 to 170 psi (1.5 to 12 bar)
Air consumption ⁽¹⁾	30 scfm (850 NI/min)
Maximum fluid outlet pressure	1,700 psi (120 bar)
Air motor effective diameter	4 1/2" (115 mm)
Air motor stroke	4" (100 mm)
Delivery at 100 cpm	5.3 gal/min (20 l/min)
Maximum free flow delivery ⁽²⁾	17.2 gal/min (65 l/min)
Air inlet	1/2" NPT(F)
Fluid inlet (stub pump only)	1 1/2" NPT(F)
Fluid outlet	3/4" NPT(F)
Wetted and seal materials	Cast iron / Hard chromed steel / Steel / Polyurethane / NBR
Noise level	Pump noise level meets OSHA requirements at all recommended operating air pressures
Manual	853 812

(1) Maximum air consumption with 72 psi (5 bar) air inlet pressure and 80 cpm.

(2) Maximum free delivery at 100 psi (7 bar).

ORDER INFORMATION

536 031	PM45 10:1 Universal stub pump, flange mounted pump
536 011	PM45 10:1 55 gal w/bung adaptor

Choose the down tube to match your container size from the selection below



914 5' Hose Kit

LP Hose 1/2" x 5'	823
MP Hose 3/4" x 5'	857
Air Coupler 1/2" NPT(F)	930F08
Air Nipple 1/2" NPT(M)	936M08

539 009 5' Hose Wall Mount Kit

LP Hose 1/2" x 2.5'	823
MP Hose 3/4" x 2.5'	860
Swivel 90° 1/2" (F) x 1/2" (M)	1981
Swivel 90° 3/4" (F) x 3/4" (M)	1982
Air Coupler 1/2" NPT(F)	930F08
Air Nipple 1/2" NPT(M)	936M08

Down Tubes Choose the down tube to match your container size for PumpMaster 45 10:1



910 420	1 1/2" NPT(M) X 14" - 30°	16 Gallon Keg
910 421	1 1/2" NPT(M) X 38" - 30°	55 Gallon Drum
910 422	1 1/2" NPT(M) X 47" - 30°	275 Gallon Tote
910 423	1 1/2" NPT(M) X 63" - 30°	330 Gallon Tank

Recommended Accessory

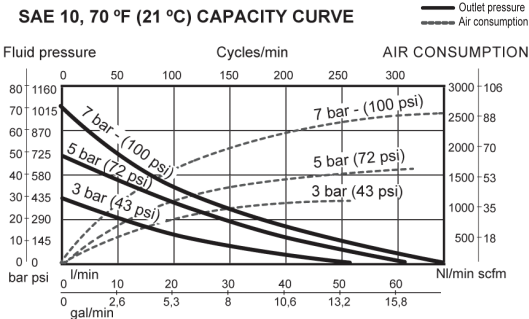
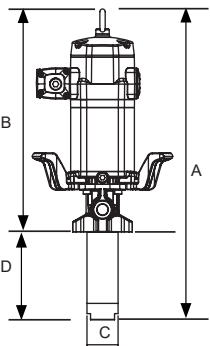
360 006	Bung Adaptor (10:1 pump only)
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MARKETS SERVED

- Mining and construction
- Lube trucks
- Railroad and mass transit
- Marine
- Industrial

FLUIDS HANDLED

- Synthetic and mineral based oil
- Hydraulic oil
- Gear lube
- Transmission fluid



IN(MM)	536 031	536 011
A	28" (702)	54" (1.357)
B	20" (502)	20" (502)
C	2" (54)	2" (54)
D	8" (200)	34" (855)