



High Delivery Pumps

Double-acting, air-operated, high delivery, heavy-duty pumps for transferring or dispensing large volumes of lubricants. Built in port for optional pressure relief valve (609 007). Flange mounted pumps.

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 (6:1 pumps) or hardened aluminum (3:1 pumps), with 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 (609 007)

TECHNICAL SPECIFICATIONS

Pump ratio	3:1	6:1
Air pressure operating range	20 to 170 psi (1.5 to 12 bar)	20 to 170 psi (1.5 to 12 bar)
Air consumption ⁽¹⁾	28 scfm (800 NI/min)	29 scfm (830 NI/min)
Maximum fluid outlet pressure	510 psi (36 bar)	1,020 psi (72 bar)
Air motor effective diameter	4 1/2" (115 mm)	4 1/2" (115 mm)
Air motor stroke	4" (100 mm)	4" (100 mm)
Delivery at 80 cpm	12 gal/min (45 l/min)	6.6 gal/min (25 l/min)
Maximum free flow delivery ⁽²⁾	32 gal/min (120 l/min)	25 gal/min (95 l/min)
Air inlet	1/2" NPT(F)	1/2" NPT(F)
Fluid inlet	1 1/2" NPT(F)	1 1/2" NPT(F)
Fluid outlet	3/4" NPT(F)	3/4" NPT(F)
Wetted and seal materials	Cast iron / Nickel / Aluminum / Steel / Polyurethane / NBR	Cast iron / Hard chromed steel / Steel / Polyurethane / NBR
Noise level	Pump noise level meets OSHA requirements at all recommended operating air pressures	
Manual	853 817	853 813

(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

536 331	PM45 3:1 Universal stub pump, flange mounted
536 631	PM45 6:1 Universal stub pump, flange mounted

Hose Kit Medium Pressure Hose Connection Kit for PumpMaster 45 3:1 & 6:1



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

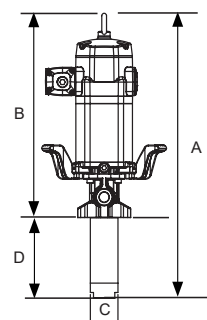
LP Hose 1/2" x 2.5'	823
MP Hose 3/4" x 2.5'	860
Swivel 90° 1/2" (F) x 1/2" (M)	1981
Swivel 90° 3/4" (F) x 3/4" (M)	1982
Air Coupler 1/2" NPT(F)	930F08
Air Nipple 1/2" NPT(M)	936M08

MARKETS SERVED

- Auto and truck dealers
- Fleet service facilities
- 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)	536 331	536 631
A	28" (702)	28" (702)
B	20" (502)	20" (502)
C	3 1/2" (90)	2 3/4" (70)
D	8" (200)	8" (200)

