

OIL PUMPS: PUMPMASTER 45 – 10:1



High Pressure Heavy-Duty Pumps

Double-acting, air-operated, high pressure, heavy-duty oil 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). Stub pump is available in bung or flange mounted styles.

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

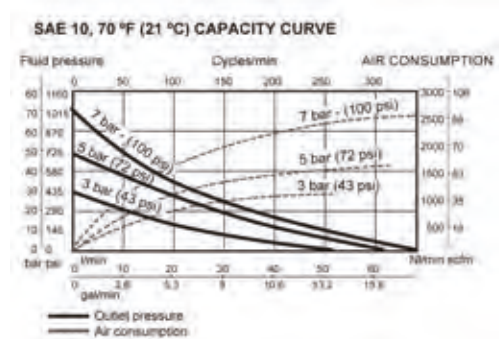
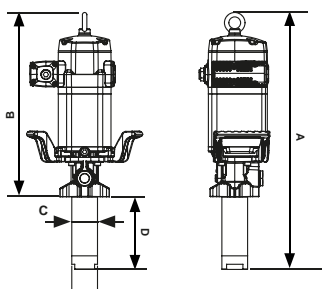
To withstand higher working pressures

Built-in port for connecting a pressure relief valve

Efficient relief of adverse effects of overpressure caused by oil thermal expansion using an optional, inexpensive, pressure relief valve (360 006)

- 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) | 536 031 | 536 011 |
|----------|-----------|-------------|
| A | 28" (702) | 54" (1,357) |
| B | 20" (502) | 20" (502) |
| C | 2" (54) | 2" (54) |
| D | 8" (200) | 34" (855) |

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 | 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

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|----------------|--|
| 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

Hose Kit Medium Pressure Hose Connection Kit for PumpMaster 45 10:1



| 914 5' Hose Kit | | 539 009 2.5' Hose Wall Mount Kit | |
|-------------------------|--------|---|--------|
| LP Hose 1/2" x 5' | 823 | LP Hose 1/2" x 2.5' | 822 |
| MP Hose 3/4" x 5' | 857 | MP Hose 3/4" x 2.5' | 860 |
| Air Coupler 1/2" NPT(F) | 935F08 | Swivel 90° 1/2" (F) x 1/2" (M) | 1981 |
| Air Nipple 1/2" NPT(M) | 936M08 | Swivel 90° 3/4" (F) x 3/4" (M) | 1982 |
| | | Air Coupler 1/2" NPT(F) | 935F08 |
| | | 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 Drum |
| 910 421 | 1 1/2" NPT(M) X 26" - 30° | 55 Gallon Drum |
| 910 422 | 1 1/2" NPT(M) X 32" - 30° | 275 Gallon Tote |
| 910 423 | 1 1/2" NPT(M) X 60" - 30° | 330 Gallon Tank |

Recommended Accessories 10:1 only

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|----------------|---------------------------|
| 360 006 | 10:1 Bung Bushing Adaptor |
|----------------|---------------------------|