

# OIL PUMPS: PUMPMASTER 45 – 3:1 & 6:1



## High Delivery

Double-acting, air-operated, high delivery, heavy-duty oil pumps for transferring or dispensing large volumes of oils. 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 higher working pressures

### Built-in port for connecting a pressure relief valve

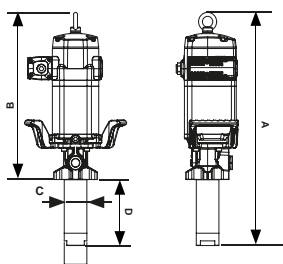
Efficient relief of adverse effects of overpressure caused by oil thermal expansion using an optional, inexpensive, pressure relief valve (609 007)

**MARKETS SERVED**

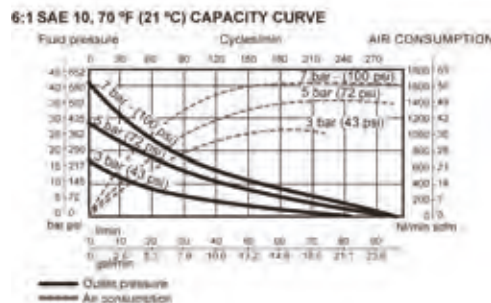
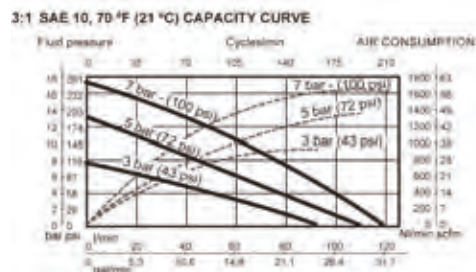
- Auto and truck dealers
- Fleet service facilities
- Mining and construction
- Lube trucks
- Railroad and mass transit
- Marine
- Industrial

**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)



## 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 <sup>(1)</sup>	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 <sup>(2)</sup>	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

<b>536 331</b>	PM45 3:1 Universal stub pump, flange mounted
<b>536 631</b>	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)	935F08
Air Nipple 1/2" NPT(M)	936M08

#### 539 009 2.5' Hose Wall Mount Kit

LP Hose 1/2" x 2.5'	822
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)	935F08
Air Nipple 1/2" NPT(M)	936M08