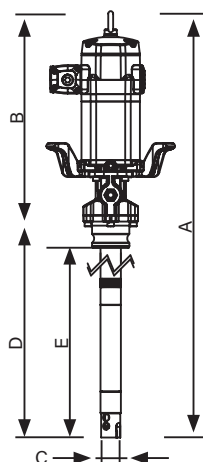


Grease Piston Pumps

Lion™ 450 40:1 Pump



| Dimensions inches (MM) | | | | |
|------------------------|--------------------|---------------|--------------------|--------------------|
| 1450-002 | | | | |
| A | B | C | D | E |
| 53.25" (1,357 mm) | 19.75" (502 mm) | 2" (50 mm) | 33.5" (855 mm) | N/A |
| 1450-003 | | | | |
| A | B | C | D | E |
| 45.25" (1,152 mm) | 19.75" (502 mm) | 2" (50 mm) | 25.5" (650 mm) | N/A |
| 1450-004 | | | | |
| A | B | C | D | E |
| 39" (992 mm) | 19.75" (502 mm) | 2" (50 mm) | 19.25" (490 mm) | 16.25" (410 mm) |

TECHNICAL DATA

| | |
|--------------------------------|---|
| Pump ratio | 40:1 |
| Continuous duty flow rate | 8 lb/min (3.5 kg/min) |
| Cycles per lb | 10 |
| Maximum free flow | 24 lb/min (11 kg/min) |
| Operating air pressure | 30 - 200 psi (1.38- 14 bar) |
| Maximum fluid stall pressure | 8,000 psi (560 bar) |
| Air motor effective diameter | 4.5" (115 mm) |
| Air motor stroke | 4" (100 mm) |
| Air consumption ⁽¹⁾ | 26.5 CFM (750 NI/min) |
| Air inlet | 1/2" NPT(F) |
| Fluid outlet | 1/2" NPT(F) |
| Wetted materials | Cast Iron, Steel, Hard Chromed Steel, UHMWPE, Buna-N™, and PTFE |
| Noise level ⁽²⁾ | 80 dB |
| Service Bulletin | SB 1131 |

(1) Air consumption at 5 bar air pressure, NLGI-0 grease at 20° C and 80 cpm.

(2) Noise level measured at 1 m from the pump, 7 bar air pressure and free delivery.

Warning! Do not use any Lion™ 450/600 series products with flammable fluids.

Verify fluid compatibility with MSDS sheets.

Contact Balcrank for pumping grease higher than NLGI-2 and specific system design performance technical data.

Grease up to NLGI-2

Designed for medium volume applications that require higher flow and pressure delivery. This pump can be used with a follower plate system, combined with a gravity inductor system, or a double post RAM for simultaneous dispense, and higher flow applications (see pg. 53 & 54).

Applications

- HD truck grease dispensing needing simultaneous dispense points
- Truck fleets fifth wheel applications
- Lube trucks
- Railroad/mass transit
- In-plant medium volume usage
- Marine

MODELS AVAILABLE

DESCRIPTION

| | |
|-----------------|--|
| 1450-003 | Lion™ 450 40:1 grease 120 lb drum pump |
| 1450-002 | Lion™ 450 40:1 grease 400 lb drum pump |
| 1450-004 | Lion™ 450 40:1 grease bulk tote pump |

NLGI-2, 21 °C (70 °F) CAPACITY

