

Durable, low-cost air-powered lube pumps for 400-lb. and 55-gallon drums. Ideal for heavy-duty industrial centralized grease lubrication systems, multi-zone systems, and bulk handling systems.

DESCRIPTION

These versatile 3-inch reciprocating pumps are designed and built for long-lasting dependability, minimized maintenance and easy serviceability. They start purging when air pressure is applied and stop when air pressure is removed.

The 3-inch (76 mm) pump is a low-cost double-acting unit that's ideal for service as a transfer pump, reservoir header pump, or to supply medium-sized centralized lubrication systems. These 50:1, lube-to-air ratio pumps can be utilized in systems with pressures of up to 3750 psi (259 bar). All are offered with a Bung Adapter that converts them for use with oil drums.



3-inch pump with
400-lb. Drum Cover



3-inch pump with
Bung Adapter

FEATURES / BENEFITS

- Are self-cleaning, positive action, foot valve type...
- Utilize force-flow priming (with any lubricant that seeks its own level) for fast, positive response with less chance to get air in the lube lines...
- Have heavy-duty chevron packing to maximize service life and minimize leakage and loss of pressure...
- Utilize a straight pump tube to simplify use of a follower plate...
- Combine advanced mechanical design with weight-saving metallurgy to assure excellent portability with durability.
- Utilize an air reserve chamber that assures instant pressure for fast action while cushioning the valve mechanism to insure smooth operation and longer life...
- Eliminate wear-prone links and levers through use of in-line valve actions...
- Allow removal of the air motor without disturbing the pump tube...
- Provide free-flow exhaust...
- Minimize piston friction and provide doubled sealing capability by utilizing a one-piece neoprene piston...
- Fight corrosion with polished brass cylinder walls...
- Utilize honed and lapped short cylinders for more precise fit...
- Deliver lubricant on both up and down strokes.

3-inch air motor pumps:

- Keep weight and bulk to a minimum with a streamlined die cast pump head...

BRIEF SPECIFICATIONS & ORDERING INFORMATION

Model	Drum	Air Motor	Lube Air Ratio	ORDER PART NO.	
				Pump with Bung Adapter**	Pump with Drum Cover
300-50	400-Lb.	3-Inch	50 to 1	145-000-220	145-000-230
300-50S	120-Lb.	3-Inch	50 to 1	—	145-000-200

**Bung Adapter converts 3-Inch pumps to fit 55-gallon oil drums.
 Note: Consult factory for price and delivery.
CAUTION: Do not dry run pump as damage to close fitted piston and sleeve will result.

USE THIS PRESSURE-DISCHARGE TABLE TO ESTIMATE YOUR PUMP DELIVERY RATE

Discharge in Pounds-per-minute at 70°F-NLGI#1 Grease or Lighter*	
Line or Working Pressure	3-inch 50 to 1 80 PSI
0	2.6
150	2.4
300	2.1
500	2.0
750	1.8
1500	1.2
2250	0.6
3000	0.2
3750	0.1
4500	Stall
6000	—
Average SCFM of air per lb. of grease	1 SCFM

*Lighter lubricants will discharge at slightly higher volumes.

ACCESSORIES

DESCRIPTION	ORDER PART NO.
Foot Valve Filter Screen	525-748-000
3/8" Manual Air Filter-Regulator-Oiler	525-740-000
1/2" Manual Air Filter-Regulator-Oiler	525-741-000
3/8" Manual Air Filter	525-759-000
3/8" Air Regulator with Gauge	525-760-000
1/4" 3-Way Air Solenoid Valve	521-002-250
3000 psi Lube Pressure Gauge	514-215-001
Repair kit for old style 3-inch, 50:1 ratio pump	560-000-720 (Date code D97 and earlier)
Repair kit for new style 3-inch, 50:1 ratio pump (date code E97 and later)	560-002-988

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