



Fire-Ball 50:1 Grease Pump

Toughest and highest performing grease pump in the industry designed for the most rugged environment

- **Highest performing pump in its class provides ability to pump the toughest greases in cold operating conditions**
- **Superior throat seal design to reduce leakage**
- **Polyurethane packings provide wide range of specialty lubricant compatibility**
- **Only 4 moving parts in air valve assembly for long term reliable operation and low cost of repair**
- **Thick cast aluminum air motor housing for maximum durability and corrosion resistance**
- **Robust grease inlet cage withstands more abusive handling**

The Graco 50:1 Fire-Ball grease pump has earned the reputation as the most durable, reliable and highest performing pump of its size in the industry. In recent tests, the Graco 50:1 Fire-Ball outperformed all tested competitive pumps in both pressure and flow rate performance. This high performance assures maximum flow rate capability when dispensing heavy, thick, tacky greases in cold operating conditions.

The unmatched durability of the Graco 50:1 Fire-Ball starts with the thick cast aluminum air motor housing. Aluminum provides the advantage of being lightweight, tough and corrosion resistant from the air line moisture. The unique design of the Fire-Ball pump has only 4 moving parts in the air valve assembly for long term reliability designed to handle wet, dirty, grimy air. For added reliability, the throat packing incorporates a polyurethane u-cup design with a hardened steel displacement rod to minimize wear. The robust grease inlet cage on the pump tube lower is designed for abusive environments.

Typical Fluids Handled

- Chassis grease
- Specialty grease
- Automatic lubrication system grease
- Open gear spray lubricant

Typical Applications

- Vehicle maintenance chassis lubrication
- Lube truck field maintenance
- Automatic lubrication of mobile mining equipment
- Industrial in-plant maintenance lubrication



239887

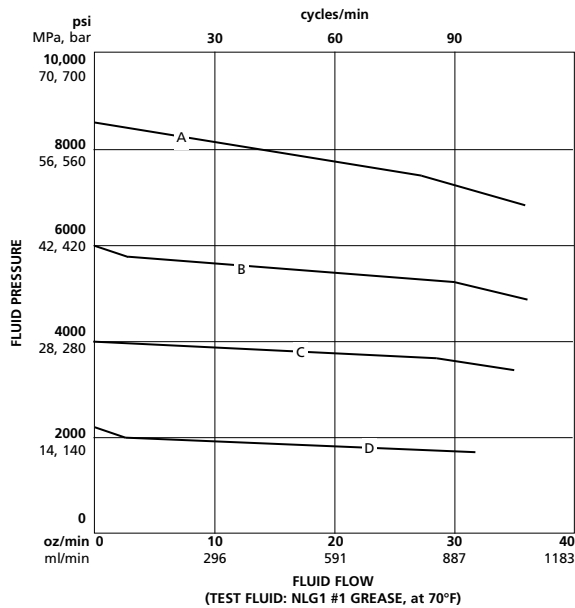
Technical Specifications

Effective air motor diameter	3 in. ² (1935 mm ²)
Maximum working pressure	8400 psi (58 MPa, 580 bar)
Fluid pressure ratio	50:1
Air operating range	30-140 psi (0.3-0.97 MPa, 3-9.7 bar)
Air consumption	22.8 cfm (0.638 m ³ /min) at 0.25 gpm (0.95 lpm), at 100 psi (0.7 MPa, 7 bar)
Gallon (liters) per pump cycle	0.003 (0.0109)
Maximum recommended pump speed	76 cpm 0.22 gpm (0.82 lpm)
Wetted parts	steel, brass, aluminum, Delrin®, nitrile rubber, polyurethane
Sound pressure level (measured at 1 meter from unit)	77.8 dB(A)
Sound power level (tested in accordance with ISO 9614-2)	85.6 dB(A)
Air inlet size	3/8 npt(f)
Fluid outlet size	1/4 npt(f)
Instruction manual	308883

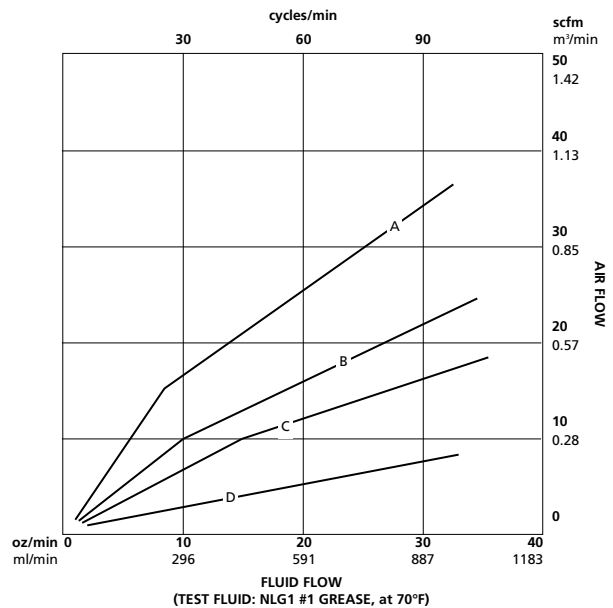
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Fire-Ball 50:1 Pump Performance

Pump Performance



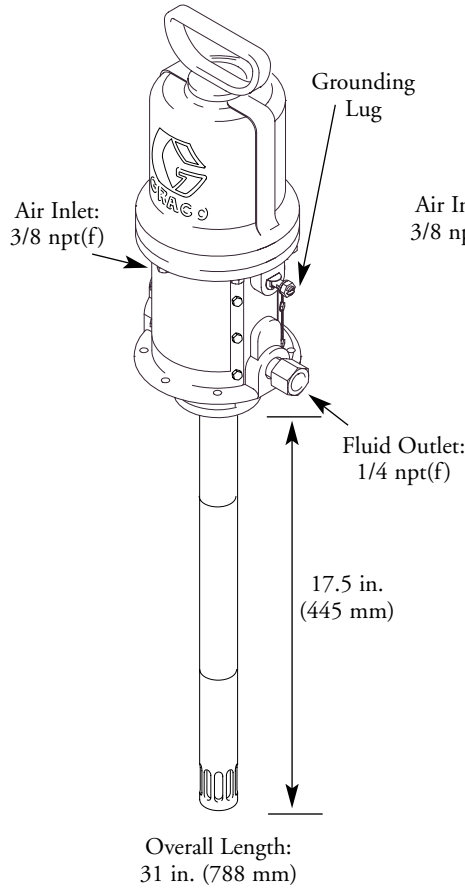
Air Consumption



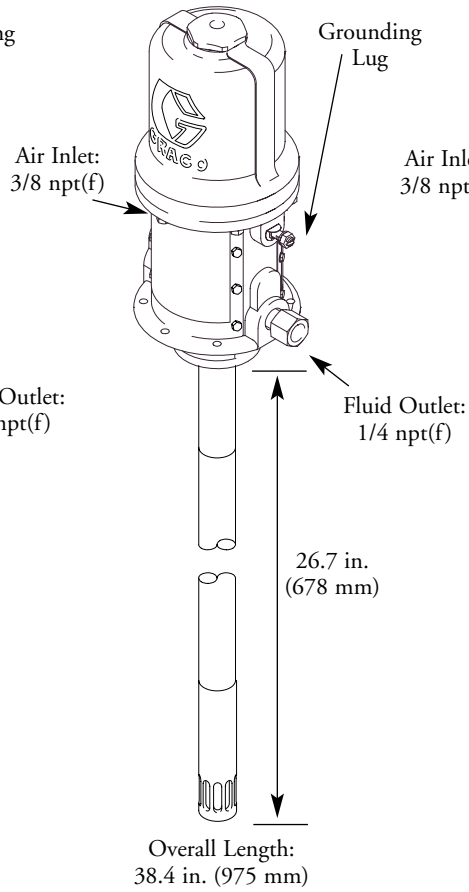
- Key:
- A = 140 psi (0.95 MPa, 9.5 bar) air pressure
 - B = 100 psi (0.7 MPa, 7 bar) air pressure
 - C = 70 psi (0.48 MPa, 4.8 bar) air pressure
 - D = 40 psi (0.28 MPa, 2.8 bar) air pressure

Dimensions

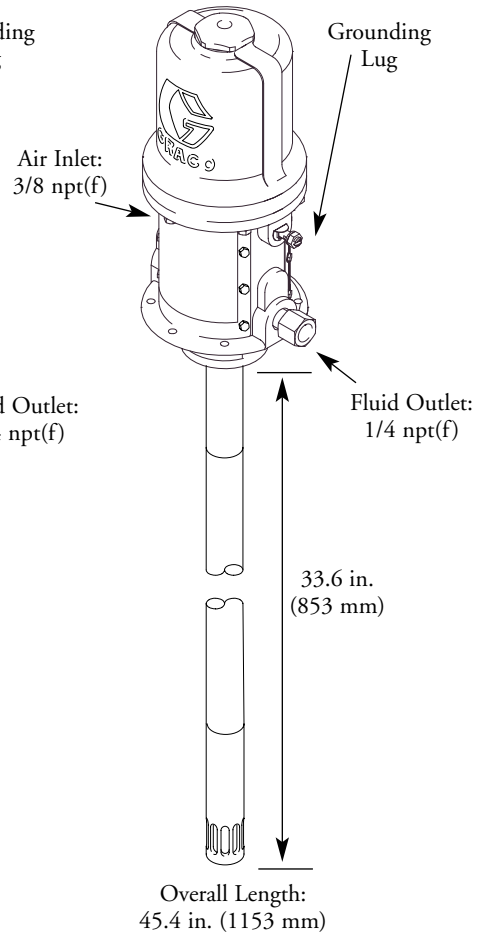
Model 239877
Pail Length



Model 239887
120 lb. Drum Size

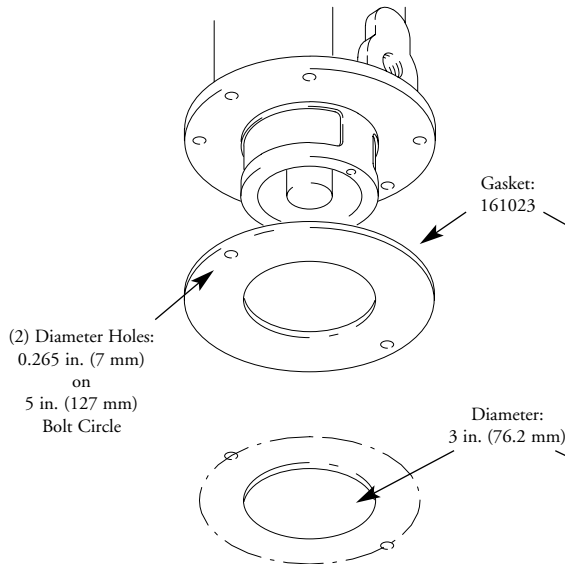


Model 239888
400 lb. Drum Size

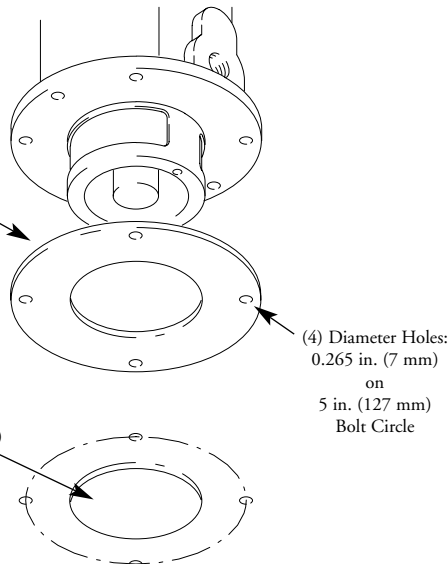


Mounting Hole Layout

2 Hole
Mounting Pattern



4 Hole
Mounting Pattern



Ordering Information

50:1 Fire-Ball Grease Pumps

For lubricating products only.

239877	Pail Length
239887	120-Pound Drum Length
239888	400-Pound Drum Length

Accessories

To achieve the maximum performance of the Graco Fire-Ball grease pump, use the 3/8 in. airline hose and accessories. Otherwise, you may use 1/4 in. airline accessories if a 1/4 in. airline will be used to supply air to the pump.

Air Regulator with Gauge

For regulating incoming air pressure.

110147	1/4 npt(f)
109075	3/8 npt(f)

Filter/Regulator/Lubricator with Gauge

For filtering, regulating, and lubricating the incoming air pressure.

110149	1/4 npt(f)
110150	3/8 npt(f)

Bleed-type Shutoff Valve

For shutting off air and relieving downstream air pressure.

110223	1/4 npt(f)
110224	3/8 npt(f)

239966 Bung Adapter

Used for mounting 50:1 Fire-Ball grease pump through standard 2 in. npt bung hole.

241246 Lincoln to Graco Adapter Kit

Allows for the installation of a Graco 50:1 Fire-Ball in place of a Lincoln Series 20 pump using the same mounting bolt hole pattern. Refer to Instruction Manual 308985.

Sales/Distribution

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Locate authorized distributors

Product information literature



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