NEW PMV PUMP FAMILY

Designed for Exceptional Performance, Long Service Life, Low Maintenance Cost
People, Capabilities and Systems to Save Money and Increase Productivity

Company Profile

We’re the largest and most successful company in our field because we continually satisfy our customers with the world’s best lubrication and pumping systems. For more than 90 years, companies have relied on our technical and quality leadership, our world-class manufacturing and customer service and our vast network of distributors and support facilities. Lincoln develops new products and systems at research and development facilities in the U.S., Germany and India that provide global and regional application solutions.

Manufacturing

Lincoln builds precision lubrication equipment and components, state-of-the-art electronic controls and the industry's top-performing pumping stations. Collaboration between our U.S. and German engineers ensures our products are designed to be manufactured to Lincoln's highest quality standards in one of our worldwide facilities.

Worldwide Services

With five technical support centers on three continents, and a global network of systems houses and distributors supported by regional sales and service offices, our customers can always draw on our worldwide resources.
Lincoln’s new PMV family of grease and oil pumps represents more than 90 years of high-quality engineering, technology and manufacturing. The unique, modular design of these pumps includes precision-machined parts made with durable materials which allows for a longer pump life.

Based on Lincoln’s proven PowerMaster III air logic pump technology, PMV is a simple design with few moving parts. This translates to exceptional performance, long service life and low maintenance cost.

“I like everything about the new PMV pump. I like the size, I like the sound and I like the performance.”

Scott Wilson
Wilson/Rogers & Associates

- Simple design
- Precision-machined parts
- Reduced cost of ownership for the life of the pump
**PMV Features and Benefits**

**Air Valve Assembly**
- Proven design based on the PowerMaster III air logic pump technology
  - More than 25 years of precision pump engineering ensures dependable, quiet performance
- Modular, fastened by four bolts
  - Quick and easy to maintain throughout the service life of the pump
- Precision machined and made from aircraft aluminum
  - Precise, durable and less susceptible to temperature than plastic spools
- Runs without external lubrication
  - Reduces cost of ownership
- No springs, rods, levers or slides
  - Fewer parts to wear out, increasing durability, decreasing repair cost
- Designed to work in a contaminated air supply
  - Airline filters that have not been drained will not affect the air motor’s performance

**Air Cylinder**
- One-piece cylinder casting contains all ports and passages
  - Simplifies repairs
- One-piece piston
  - No connection to any rods, spools, springs or poppets reduces premature mechanical failures, simplifies repairs
- One o-ring on the piston
  - Reduces leak paths, improves durability

**Pump Tube**
- One-piece, machined gland nut
  - Easy to maintain over the life of the pump
- Divorced pump tube and air motor seal
  - Air motor seal is a separate o-ring which reduces the chance of contamination in the motor

**Pump Seals**
- Made from durable polyurethane
  - Compatible with a wide range of natural and synthetic lubricants

**Pump Rod**
- Hard-chrome plated
  - Allows for superior sealing which extends the life of the rod
**Pump Naming Table**

<table>
<thead>
<tr>
<th>Pump Series</th>
<th>Pump Ratio</th>
<th>Description</th>
<th>Air Motor Size</th>
<th>Drum/Tank Size</th>
<th>Pump Mount</th>
</tr>
</thead>
<tbody>
<tr>
<td>V=PMV</td>
<td>3 = 3&quot;</td>
<td>5:1 Bare Pump</td>
<td>V 3 05 000</td>
<td>SU</td>
<td>MM</td>
</tr>
<tr>
<td></td>
<td>4 = 4.25&quot;</td>
<td>5:1 Stub/Universal Pump</td>
<td>V 3 05 00S SU</td>
<td>SU</td>
<td>MM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5:1 55 Gal Pump</td>
<td>V 3 05 055 BB</td>
<td>BB</td>
<td>DC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5:1 16 Gal Pump</td>
<td>V 3 05 016 DC</td>
<td>Bung Bushing</td>
<td>DC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5:1 275 Gal Pump</td>
<td>V 3 05 0275 BB</td>
<td>Bung Bushing</td>
<td>DC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5:1 Wall Mount Pump</td>
<td>V 3 05 005 WM</td>
<td>WM Wall Mount Kit, Suction Kit, Air Cplr./Nipple, Air Hose, Fluid Hose</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>5:1 55 Gal Lube Truck Pump</td>
<td>V 3 05 120 DC</td>
<td>DC Drum Cover, Air Cplr./Nipple, Air Hose, Fluid Hose, Down Tube</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>5:1 Pump, 3&quot;, 120 Lb Bare</td>
<td>V 3 05 120 DC</td>
<td>120 Lb Stationary Pkg</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>5:1 Pump, 3&quot;, 400 Lb Bare</td>
<td>V 3 05 400 DC</td>
<td>400 Lb Stationary Pkg</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>5:1 3&quot; 120 Lb Stationary Pkg</td>
<td>V 3 05 120 DC</td>
<td>DC Drum Cover, Tie Rods/Eye Bolts, Down Tube, Air Cplr./Nipple, Air Hose</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>5:1 3&quot; 400 Lb Stationary Pkg</td>
<td>V 3 05 400 DC</td>
<td>400 Lb Stationary Pkg</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>5:1 3&quot; 120 Lb Hoist/Follower Pkg</td>
<td>V 3 05 120 DC</td>
<td>DC Drum Cover, Air Coupler/Eye Bolts, Air Hose, Fluid Hose</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>5:1 3&quot; 400 Lb Hoist/Follower Pkg</td>
<td>V 3 05 400 DC</td>
<td>400 Lb Stationary Pkg</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>5:1 3&quot; 120 Lb Lube Truck Pkg</td>
<td>V 3 05 120 DC</td>
<td>DC Drum Cover, Tie Rods/Eye Bolts, Down Tube, Air Cplr./Nipple, Air Hose</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>5:1 3&quot; 400 Lb Lube Truck Pkg</td>
<td>V 3 05 400 DC</td>
<td>400 Lb Stationary Pkg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6 = 6:1</td>
<td>6:1 Bare Pump</td>
<td>V 4 06 000</td>
<td>SU</td>
<td>MM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6:1 Stub Pump</td>
<td>V 4 06 00S SU</td>
<td>SU</td>
<td>MM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6:1 Wall Mount Pump</td>
<td>V 4 06 00S WM</td>
<td>WM Wall Mount Kit, Suction Kit, Air Cplr./Nipple, Air Hose, Fluid Hose</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>10:1 Bare Pump</td>
<td>V 4 10 000</td>
<td>SU</td>
<td>MM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10:1 Stub/Universal Pump</td>
<td>V 4 10 00S SU</td>
<td>SU</td>
<td>MM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10:1 55 Gal Pump W/ Drum Cvr</td>
<td>V 4 10 055 DC</td>
<td>DC Drum Cover, Air Cplr./Nipple, Air Hose, Fluid Hose, Down Tube</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>10:1 55 Gal Pump W/ Bung Bushing</td>
<td>V 4 10 055 BB</td>
<td>Bung Bushing, Air Cplr./Nipple, Air Hose, Fluid Hose, Down Tube</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>10:1 Wall Mount Pump</td>
<td>V 4 10 005 WM</td>
<td>WM Wall Mount Kit, Suction Kit, Air Cplr./Nipple, Air Hose, Fluid Hose</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>10:1 55 Gal Lube Truck Pump W/Dc</td>
<td>V 4 10 055 LB</td>
<td>LB Bung Bushing, Tie Rods/Eye Bolts, Down Tube, Air Cplr./Nipple, Air Hose</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>10:1 55 Gal Lube Truck Pump W/Bng Bushng</td>
<td>V 4 10 055 LB</td>
<td>LB Bung Bushing, Tie Rods/Eye Bolts, Down Tube, Air Cplr./Nipple, Air Hose</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>50:1 Pump, 4.25&quot;, 120 Lb Bare</td>
<td>V 4 50 120 DC</td>
<td>DC Drum Cover, Air Coupler/Eye Bolts, Air Hose, Fluid Hose</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>50:1 Pump, 4.25&quot;, 400 Lb Bare</td>
<td>V 4 50 400 DC</td>
<td>DC Drum Cover, Air Coupler/Eye Bolts, Air Hose, Fluid Hose</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>50:1 4.25&quot; 120 Lb Stationary Pkg</td>
<td>V 4 50 120 DC</td>
<td>DC Drum Cover, Air Coupler/Eye Bolts, Air Hose, Fluid Hose</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>50:1 4.25&quot; 400 Lb Stationary Pkg</td>
<td>V 4 50 400 DC</td>
<td>DC Drum Cover, Air Coupler/Eye Bolts, Air Hose, Fluid Hose</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>50:1 4.25&quot; 400Lb Hoist/Follower Pkg</td>
<td>V 4 50 400 DC</td>
<td>DC Drum Cover, Air Coupler/Eye Bolts, Air Hose, Fluid Hose</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>50:1 4.25&quot; 400Lb Hoist/Follower/Runaway Pkg</td>
<td>V 4 50 400 DC</td>
<td>DC Drum Cover, Air Coupler/Eye Bolts, Air Hose, Fluid Hose</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>50:1 4.25&quot; 120Lb Lube Truck Pkg</td>
<td>V 4 50 120 LT</td>
<td>LT Drum Cover, Tie Rods/Eye Bolts, AirCoupler/Nipple, Outlet Swivel</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>50:1 4.25&quot; 400Lb Lube Truck Pkg</td>
<td>V 4 50 400 LT</td>
<td>LT Drum Cover, Tie Rods/Eye Bolts, AirCoupler/Nipple, Outlet Swivel</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>50:1 3&quot; 25-50Lb Bare Pump</td>
<td>V 3 30 035 000</td>
<td>035 000 Pump Cover, Air Coupler/Nipple, Grease Hose, Control Valve, Swivel</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>50:1 25-50 Lb Portable W/Pail Cvr</td>
<td>9989</td>
<td>9989 Pump Cover, Air Coupler/Nipple, Grease Hose, Control Valve, Swivel</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>50:1 120Lb Portable W/Caster Base</td>
<td>9917</td>
<td>9917 Pump Cover, Air Coupler/Nipple, Grease Hose, Control Valve, Swivel</td>
<td></td>
</tr>
</tbody>
</table>

**PMV Part No. Reference**

<table>
<thead>
<tr>
<th>05 = 5:1 Oil</th>
<th>06 = 6:1 Oil</th>
<th>10 = 10:1 Oil</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 = 50:1 Grease</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PMV Part Number**

<table>
<thead>
<tr>
<th>000 = Bare Pump</th>
<th>016 = 16 Gallon</th>
<th>055 = 55 Gallon</th>
</tr>
</thead>
<tbody>
<tr>
<td>275 = 275 Gallon</td>
<td>035 = 25-50 Lb.</td>
<td>120 = 120 Lb.</td>
</tr>
<tr>
<td>400 = 400 Lb.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PMV Part No. Reference**

<table>
<thead>
<tr>
<th>000 = Stub</th>
<th>016 = 16 Gallon</th>
<th>055 = 55 Gallon</th>
</tr>
</thead>
<tbody>
<tr>
<td>275 = 275 Gallon</td>
<td>035 = 25-50 Lb.</td>
<td>120 = 120 Lb.</td>
</tr>
<tr>
<td>400 = 400 Lb.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Included with Packages**

- Bung Bushing, Air Cplr./Nipple, Air Hose, Fluid Hose
- Hoist, Follower, Primer, Air Cplr./Nipple, Air Hose, Grease Hose
- Drum Cover, Tie Rods/Eye Bolts, Air Coupler/Nipple, Outlet Swivel
- Drum Cover, Air Coupler/Nipple, Air Hose, Fluid Hose
- Drum Cover, Air Coupler/Nipple, Air Hose, Grease Hose, Outlet Swivel
Typical System Examples with Maximum Pumping Distances

All systems based on 100 PSI air input and 70°F (21°C)

Oil Pumps

With 10w 30 Motor Oil

**PMV 3” 5:1 Pumps**

- Reels with 50’ x 1/2” ID hose (Model No. 94354)
- Electronic Meters (Model Nos. 905, 953, 954)
- Two simultaneous dispenses at 1 gpm each

| 3/8” OD x 0.049” wall tubing – up to 50’ | 3/8” OD x 0.049” wall tubing – up to 150’ |

**PMV 4.25” 10:1 Pumps**

- Reels with 50’ x 1/2” ID hose (Model No. 94354)
- Electronic Meters (Model Nos. 905, 953, 954)
- Two simultaneous dispenses at 1 gpm each

| 3/8” OD x 0.049” wall tubing – up to 300’ | 3/8” OD x 0.049” wall tubing – up to 1000’ |

**PMV 4.25” 6:1 Pumps**

- Reels with 50’ x 1/2” ID hose (Model No. 94354)
- Electronic Meters (Model Nos. 905, 953, 954)
- Four simultaneous dispenses at 1 gpm each

| 1.25” Sch. 40 Seamless Pipe – up to 150’ |
| 1.5” Sch. 40 Seamless Pipe – up to 250’ |

Grease Pumps

With NLGI #1 Grease

**PMV 3” 50:1 Pumps**

- Reels with 50’ x 3/8” hose (Model No. 94553)
- Control Valve & Swivel (Model Nos. 3050, 81729)
- Two simultaneous dispenses at 0.125 lbs/min each

| 3/8” OD x 0.083” wall tubing – up to 500’ |

**PMV 4.25” 50:1 Pumps**

- Reels with 50’ x 3/8” hose (Model No. 94553)
- Control Valve & Swivel (Model Nos. 3050, 81729)
- Four simultaneous dispenses at 0.125 lbs/min each

| 3/8” OD x 0.109” wall tubing – up to 500’ |
| 1” Sch 160 pipe – up to 2000’ |

1. Values are for typical systems
2. Some of the factors that affect actual systems performance
   a. Temperature
   b. Viscosity
   c. Number and type of fitting (elbows, tees, reducers) and connecting hoses
   d. Air supply – pressure, scfm, line size
3. Lincoln can provide system design/performance parameters for any specific application. Contact your representative.
### 3" and 4.25" Oil Pumps – Specifications

#### 5:1 Oil Pump Specifications and Performance Testing

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pumping Ratio</td>
<td>5:1</td>
</tr>
<tr>
<td>Air Pressure</td>
<td>40 - 150 psi (2.7 - 10.3 bar)</td>
</tr>
<tr>
<td>Max. Output Pressure</td>
<td>750 psi</td>
</tr>
<tr>
<td>Air Inlet</td>
<td>3/8 NPTF</td>
</tr>
<tr>
<td>Material Outlet</td>
<td>1/2 NPTF</td>
</tr>
<tr>
<td>Material Inlet</td>
<td>1 1/2 NPTF</td>
</tr>
<tr>
<td>Air Motor Bore Dia.</td>
<td>3 in. (76.2 mm)</td>
</tr>
<tr>
<td>Stroke</td>
<td>3 1/4 in. (82.5 mm)</td>
</tr>
<tr>
<td>Output Per Cycle</td>
<td>6.7 cu. in. (110 cc)</td>
</tr>
<tr>
<td>Cycles/Gal (Liter)</td>
<td>34.5 (9.1)</td>
</tr>
<tr>
<td>Wetted</td>
<td>Carbon Steel, Brass, Zinc, Polyurethane, Nitrile</td>
</tr>
<tr>
<td>Free Flow</td>
<td>7 gpm (26.5 lpm)</td>
</tr>
<tr>
<td>Overall Length (Stub)</td>
<td>17 3/8&quot; (442 mm)</td>
</tr>
<tr>
<td>Decibels less than 85 at all normal operating conditions</td>
<td></td>
</tr>
</tbody>
</table>

#### 6:1 Oil Pump Specifications and Performance Testing

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pumping Ratio</td>
<td>6:1</td>
</tr>
<tr>
<td>Air Pressure</td>
<td>40 - 150 psi (2.7 - 10.3 bar)</td>
</tr>
<tr>
<td>Max. Output Pressure</td>
<td>900 psi</td>
</tr>
<tr>
<td>Air Inlet</td>
<td>3/8 NPTF</td>
</tr>
<tr>
<td>Material Outlet</td>
<td>1/2 NPTF</td>
</tr>
<tr>
<td>Material Inlet</td>
<td>1 1/2 NPTF</td>
</tr>
<tr>
<td>Air Motor Bore Dia.</td>
<td>4 1/4 in. (108 mm)</td>
</tr>
<tr>
<td>Stroke</td>
<td>3 1/4 in. (82.5 mm)</td>
</tr>
<tr>
<td>Output Per Cycle</td>
<td>11.9 cu. in. (195 cc)</td>
</tr>
<tr>
<td>Cycles/Gal (Liter)</td>
<td>19.4 (5.1)</td>
</tr>
<tr>
<td>Wetted</td>
<td>Carbon Steel, Brass, Zinc, Polyurethane, Nitrile</td>
</tr>
<tr>
<td>Free Flow</td>
<td>7 gpm (26.5 lpm)</td>
</tr>
<tr>
<td>Overall Length</td>
<td>18 7/8&quot; (480 mm)</td>
</tr>
<tr>
<td>Decibels less than 85 at all normal operating conditions</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:**

6:1 pumps for stub or wall mount only. Not for use with bung bushings. Use the suction kit and wall mount bracket that are packaged with the pump assembly model.
3" and 4.25" Oil Pumps – Specifications

10:1 Oil Pump Specifications and Performance Testing

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pumping Ratio</td>
<td>10:1</td>
</tr>
<tr>
<td>Air Pressure</td>
<td>40 - 150 psi (2.7 - 10.3 bar)</td>
</tr>
<tr>
<td>Max. Output</td>
<td>1500 psi</td>
</tr>
<tr>
<td>Pressure</td>
<td>(103 bar)</td>
</tr>
<tr>
<td>Air Inlet</td>
<td>⅜ NPTF</td>
</tr>
<tr>
<td>Material Outlet</td>
<td>⅝ NPTF</td>
</tr>
<tr>
<td>Material Inlet</td>
<td>1½ NPTF</td>
</tr>
<tr>
<td>Airmotor Bore Dia.</td>
<td>4¼ in. (108 mm)</td>
</tr>
<tr>
<td>Stroke</td>
<td>3¼ in. (82.5 mm)</td>
</tr>
<tr>
<td>Output Per Cycle</td>
<td>7.2 cu. in. (118 cc)</td>
</tr>
<tr>
<td>Cycles/Gal (Liter)</td>
<td>32.1 (8.5)</td>
</tr>
<tr>
<td>Wetted</td>
<td>Carbon Steel, Brass, Zinc,</td>
</tr>
<tr>
<td>Parts</td>
<td>Polyurethane, Nitrile</td>
</tr>
<tr>
<td>Free Flow</td>
<td>5 gpm (18.4 lpm)</td>
</tr>
<tr>
<td>Overall Length (Stub)</td>
<td>17⅞ in. (443 mm)</td>
</tr>
</tbody>
</table>

Decibels less than 85 at all normal operating conditions

Output (gpm)
SAE 10W at 70°F (21°C)
3" Oil Pumps

V305005SU
5:1 Stub/Universal Pump

Package Includes:
• Bare Pump
  Model No. V305000000
• Stub/Universal Kit
  Model No. K00000SSU
  – Bung Bushing
    Model No. 85824
  – Air Coupler/Nipple
    Model No. 5874/5875
  – 3/8" x 2' Air Hose
    Model No. 72024A
  – 1/2" x 2' Fluid Hose
    Model No. 73024
  – 90° Swivel
    Model No. 241584

V305055BB
5:1 55-gallon Pump

Package Includes:
• Bare Pump Model No. V305000000
• 55-gal. Bung Mount Kit Model No. K000055BB
  – Bung Bushing Model No. 85824
  – Air Coupler/Nipple Model No. 5874/5875
  – 3/8" x 5' Air Hose Model No. 273299
  – 1/2" x 5' Fluid Hose Model No. 73060
  – Down Tube Model No. 85807
  – 90° Swivel Model No. 241584

V305016DC
5:1 16-gallon Pump

Package Includes:
• Bare Pump
  Model No. V305000000
• 16-Gal. Drum Cover Kit
  Model No. K000016DC
  – Drum Cover
    Model No. 85826
  – Suction Tube
    Model No. 85806
  – Air Coupler/Nipple
    Model No. 5874/5875
  – 3/8" x 5' Air Hose
    Model No. 273299
  – 1/2" x 5' Fluid Hose
    Model No. 73060
3" Oil Pumps

**V305275BB**

5:1 275-gallon Pump

Package Includes:
- Bare Pump Model No. V305000000
- 275-Gal. Pump Mount Kit Model No. K0000275BB
  - Bung Bushing Model No. 85824
  - Air Coupler/Nipple Model No. 5874/5875
  - 3/8" x 5' Air Hose Model No. 273299
  - 1/2" x 5' Fluid Hose Model No. 73060
  - Universal Suction Tube Model No. 85949

**V305005WM**

5:1 Wall Mount Pump

Package Includes:
- Bare Pump Model No. V305000000
- Remote Suction Kit Model No. 84945
- Wall Mount Kit Model No. 275398
  - Air Coupler/Nipple Model No. 5874/5875
  - 3/8" x 5' Air Hose Model No. 273299
  - 1/2" x 5' Fluid Hose Model No. 73060
  - 90° Swivel Model No. 241584
  - Wall Mount Assy Model No. 275413

**V305055LT**

5:1 55-Gallon Lube Truck Pump

Package Includes:
- Bare Pump Model No. V305000000
- Drum Cover and Hose Kit Model No. K000055LT
  - 400 lb. Drum Cover with Tie Rods Model No. 83115
  - Down Tube Model No. 85807
  - Lifting Eye Model No. 275415
  - Air Coupler/Nipple Model No. 5874/5875
  - 3/8" x 5' Air Hose Model No. 273299
4.25” Oil Pumps

V40600SSU
6:1 Stub Pump

Package Includes:
- Bare Pump Model No. V406000000
- 6:1 Stub Kit Model No. K40600SSU
  - Air Coupler/Nipple Model No. 5874/5875
  - 3/8” x 2’ Air Hose Model No. 72024A
  - 1/2” x 2’ Fluid Hose Model No. 73024
  - 90° Swivel Model No. 241584

V40600SWM
6:1 Wall Mount Pump

Package Includes:
- Bare Pump Model No. V406000000
- Remote Suction Kit Model No. 84945
- Wall Mount Kit Model No. 275398
  - Air Coupler/Nipple Model No. 5874/5875
  - 3/8” x 5’ Air Hose Model No. 273299
  - 1/2” x 5’ Fluid Hose Model No. 73060
  - 90° Swivel Model No. 241584
  - Wall Mount Assy Model No. 275413

6:1 pumps for stub or wall mount only. Not for use with bung bushings.
**V410005SU**

**10:1 Stub/Universal Pump**

Package Includes:
- Bare Pump Model No. V410000000
- Stub/Universal Kit Model No. K00000SSU
  - Bung Bushing Model No. 85824
  - Air Coupler/Nipple Model No. 5874/5875
  - 3/8" x 2' Air Hose Model No. 72024A
  - 1/2" x 2' Fluid Hose Model No. 73024
  - 90° Swivel Model No. 241584

**V410055DC**

**10:1 55-gallon Pump with Drum Cover**

Package Includes:
- Bare Pump Model No. V410000000
- 55-gal. Drum Cover Kit Model No. K000055DC
  - Drum Cover Model No. 85827
  - Suction Tube Model No. 85807
  - 90° Swivel Model No. 241584
  - Air Coupler/Nipple Model No. 5874/5875
  - 3/8" x 5' Air Hose Model No. 273299
  - 1/2" x 5' Fluid Hose Model No. 73060

**V410055BB**

**10:1 55-gallon Pump with Bung Bushing**

Package Includes:
- Bare Pump Model No. V410000000
- 55-gal. Bung Mount Kit Model No. K000055BB
  - Bung Bushing Model No. 85824
  - Air Coupler/Nipple Model No. 5874/5875
  - 3/8" x 5' Air Hose Model No. 273299
  - 1/2" x 5' Fluid Hose Model No. 73060
  - Down Tube Model No. 85807
  - 90° Swivel Model No. 241584
4.25" Oil Pumps

**V410005WM**

10:1 Wall Mount Pump

Package Includes:
- Bare Pump Model No. V410000000
- Remote Suction Kit Model No. 84945
- Wall Mount Kit Model No. 275398
  - Air Coupler/Nipple Model No. 5874/5875
  - 3/8" x 5' Air Hose Model No. 273299
  - 1/2" x 5' Fluid Hose Model No. 73060
  - 90° Swivel Model No. 241584
  - Wall Mount Assy Model No. 275413

**V410055LT**

10:1 55-gallon Lube Truck Pump with Drum Cover

Package Includes:
- Bare Pump Model No. V410000000
- Drum Cover and Hose Kit Model No. K000055LT
  - 400-lb. Drum Cover with Tie Rods Model No. 83115
  - Down Tube Model No. 85807
  - Lifting Eye Model No. 275416
  - Air Coupler/Nipple Model No. 5874/5875
  - 3/8" x 5' Air Hose Model No. 273299

**V410055LB**

10:1 55-gallon Lube Truck Pump with Bung Bushing

Package Includes:
- Bare Pump Model No. V410000000
- 55-gal. Lube Truck Kit with Bung Bushing Model No. K000055LB
  - Bung Bushing Model No. 85824
  - Tie Rod Kit Model No. 83131
  - Suction Tube Model No. 85807
  - Air Coupler/Nipple Model No. 5874/5875
  - 3/8" x 5' Air Hose Model No. 273299
3" and 4.25" Grease Pumps – Specifications

50:1 3" Grease Pump Specifications / Performance Testing

<table>
<thead>
<tr>
<th>Spec</th>
<th>3&quot; Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pumping Ratio</td>
<td>50:1</td>
</tr>
<tr>
<td>Air Pressure</td>
<td>40 - 150 psi (2.7 - 10.3 bar)</td>
</tr>
<tr>
<td>Max. Output</td>
<td>7500 psi (517 bar)</td>
</tr>
<tr>
<td>Pressure</td>
<td></td>
</tr>
<tr>
<td>Air Inlet</td>
<td>¼ NPTF</td>
</tr>
<tr>
<td>Material Outlet</td>
<td>¼ NPTF</td>
</tr>
<tr>
<td>Airmotor Bore Dia.</td>
<td>3 in. (76.2 mm)</td>
</tr>
<tr>
<td>Stroke</td>
<td>3¼ in. (82.5 mm)</td>
</tr>
<tr>
<td>Output Per Cycle</td>
<td>0.78 cu. in. (12.8 cc)</td>
</tr>
<tr>
<td>Wetted</td>
<td>Carbon Steel, Brass, Zinc, Polyurethane, Nitrile</td>
</tr>
<tr>
<td>Free Flow</td>
<td>168 in³/min (2753 cc/min)</td>
</tr>
<tr>
<td>Overall Length</td>
<td>27¾&quot; (708 mm)</td>
</tr>
<tr>
<td>Overall Length</td>
<td>36⅜&quot; (924 mm)</td>
</tr>
<tr>
<td>Overall Length</td>
<td>42⅔&quot; (1089 mm)</td>
</tr>
<tr>
<td>Decibels less than 85 at all normal operating conditions</td>
<td></td>
</tr>
</tbody>
</table>
3” Grease Pumps

V350120000
50:1 – 3” 120-lb. Bare Pump

V350400000
50:1 – 3” 400-lb. Bare Pump

V350120DC
50:1 – 3” 120-lb. Stationary Package

Package Includes:
- Bare Pump Model No. V350120000
- 120-lb. Stationary Kit Model No. K050120DC
  - Drum Cover Model No. 85826
  - (2) Hose Connectors
    Model No. 10198
  - Elbow Union
    Model No. 80202
  - 1/4” x 5’ Grease Hose
    Model No. 75060
  - 3/8” x 5’ Air Hose
    Model No. 273299
  - Follower Model No. 84780
  - Air Coupler/Nipple
    Model No. 5874/5875
**3" Grease Pumps**

**V350400DC**

50:1 – 3" 400-lb. Stationary Package

Package Includes:
- Bare Pump Model No. V350400000
- 400-lb Drum Cover Kit Model No. K050400DC
  - 400-lb Drum Cover
    - Model No. 85827
  - Air Coupler/Nipple
    - Model No. 5874/5875
  - 1/4" x 5' Grease Hose
    - Model No. 75060
  - (2) Hose Connectors
    - Model No. 10198
  - 3/8" x 5' Air Hose
    - Model No. 273299
  - Elbow Union
    - Model No. 80202

* For heavy greases and/or low temperatures, order follower number 85825 on page 23

**V350120HF**

50:1 – 3" 120-lb. Inductor Package

Package Includes:
- Bare Pump Model No. V350120000
- Hoist/Follower Kit Model No. 274932

**V350400HF**

50:1 – 3" 400-lb. Inductor Package

Package Includes:
- Bare Pump Model No. V350400000
- Hoist/Follower Kit Model No. 275260
3" Grease Pumps

**V350120LT**

50:1 – 3" 120-lb. Lube Truck Package

Package Includes:
- Bare Pump Model No. V350120000
- 120-lb. Lube Truck Kit Model No. K050120LT
  - 120-lb. Drum Cover with Tie Downs
    Model No. 85829
  - Elbow Union Model No. 80202
  - Air Coupler/Nipple Model No. 5874/5875
  - Lifting Eye Model No. 275415

* For heavy greases and/or low temperatures, order follower number 85825 on page 23

**V350400LT**

50:1 – 3" 400-lb. Lube Truck Package

Package Includes:
- Bare Pump Model No. V350400000
- 400-lb. Lube Truck Kit Model No. K050400LT
  - 400-lb. Drum Cover with Tie Rods
    Model No. 83115
  - Elbow Union Model No. 80202
  - Air Coupler/Nipple Model No. 5874/5875
  - Lifting Eye Model No. 275415

* For heavy greases and/or low temperatures, order follower number 85825 on page 23
4.25" Grease Pumps

V4501200000
50:1 – 4.25"
120-lb. Bare Pump

V4504000000
50:1 – 4.25"
400-lb. Bare Pump
4.25" Grease Pumps

**V450120DC**
50:1 – 4.25" 120-lb. Stationary Package

Package Includes:
- Bare Pump Model No. V450120000
- 120-lb. Stationary Kit Model No. K050120DC
  - Drum Cover Model No. 85826
  - (2) Hose Connectors Model No. 10198
  - Elbow Union Model No. 80202
  - 1/4" x 5' Grease Hose Model No. 75060
  - 3/8" x 5' Air Hose Model No. 273299
  - Follower Model No. 84780
  - Air Coupler/Nipple Model No. 5874/5875

**V450400DC**
50:1 – 4.25" 400-lb. Stationary Package

Package Includes:
- Bare Pump Model No. V450400000
- 400-lb Drum Cover Kit Model No. K050400DC
  - 400-lb. Drum Cover Model No. 85827
  - Air Coupler/Nipple Model No. 5874/5875
  - 1/4" x 5' Grease Hose Model No. 75060
  - (2) Hose Connectors Model No. 10198
  - 3/8" x 5' Air Hose Model No. 273299
  - Elbow Union Model No. 80202

**V450400HF**
50:1 – 4.25" 400-lb. Inductor Package

Package Includes:
- Bare Pump Model No. V450400000
- Hoist/Follower Kit Model No. 275260

*For heavy greases and/or low temperatures, order follower number 85825 on page 23*
4.25" Grease Pumps

**V450400HR**

50:1 – 4.25” 400-lb.
Inductor/Runaway Package

Package Includes:
- Bare Pump
  - Model No. V450400000
- Hoist/Follower Kit
  - Model No. 275260
- Runaway Control
  - Model No. 85840

**V450120LT**

50:1 – 4.25” 120-lb.
Lube Truck Package

Package Includes:
- Bare Pump Model No. V450120000
- 120-lb. Lube Truck Kit Model No. K050120LT
  - 120-lb. Drum Cover with Tie Downs
    - Model No. 84829
  - Elbow Union
    - Model No. 80202
  - Air Coupler/Nipple
    - Model No. 5874/5875
  - Lifting Eye
    - Model No. 275416

* For heavy greases and/or low temperatures, order follower number 85825 on page 23

**V450400LT**

50:1 – 4.25” 400-lb.
Lube Truck Package

Package Includes:
- Bare Pump
  - Model No. V450400000
- 400-lb. Lube Truck Kit
  - Model No. K050400LT
  - 400-lb. Drum Cover with Tie Rods
    - Model No. 83115
  - Elbow Union
    - Model No. 80202
  - Air Coupler/Nipple
    - Model No. 5874/5875
  - Lifting Eye
    - Model No. 275416

* For heavy greases and/or low temperatures, order follower number 84780 on page 23
Portable Pumps

85791
50:1 – 3"
25-, 50-lb.
Bare Pump

Package Includes:
• Bare Pump Model No. 85791
  – Drum Cover Model No. 91499
  – Flexible Follower Model No. 84780
  – Air Coupler/Nipple Model No. 5874/5875
  – 7' Grease Hose Model No. 75084
  – Straight Swivel Model No. 82399
  – Universal Swivel Model No. 81387
  – Control Valve Model No. 740

9989
Portable with Pail Cover

9917
50:1 – 120-lb.
Portable with Caster Base

Package Includes:
• Bare Pump Model No. 85792
  – Drum Cover Model No. 46007
  – Flexible Follower Model No. 84780
  – Air Coupler/Nipple Model No. 5874/5875
  – 7' Grease Hose Model No. 75084
  – Straight Swivel Model No. 82399
  – Universal Swivel Model No. 81387
  – Control Valve Model No. 740
Model 84945 Suction Kit
For transfer of product from drums, bulk tanks or reservoirs. Includes bung bushing suction tube, hose and coupling assembly.

Low-Level Cutoffs
Automatically shuts off flow of oil; keeps air out of the pump when tank or drum level is low. Recommended when dispensing oil through metering devices to conform with standards of the National Conference of Weights and Measures.
- Model 82439 for 1 1/2" NPT suction tubes
- Model 84946 for 1" NPT suction tubes

Model 275413 Wall Mount Bracket
Wall mount bracket for PMV pumps.

Thermal Pressure Relief Valve
Model 282876
Protects tube system components from high-pressure spikes caused by temperature change in a closed fluid network.

Model 85840 Runaway Control and Pump Protection
Stops pumps when they lose prime and start to accelerate towards damaging speeds.

Modular Air Line Equipment Accessories—Lockout Valve
Install in-line or modular with other AirCare products to help conform to OSHA Lockout Regulations. In the closed position, valves block inlet air flow and exhaust downstream air.

Integrated/Modular Filter/Regulator with Gauge
Can be used with other AirCare Modular Components.
**Follower Plates**
Recommended when pumping viscous lubricants that will not seek their own level.

**Model 84780**
For use with 120 lb. containers for 1", 1 1/4", 1 1/8", 1 3/8", 2 1/8" diameter pump tubes. Used with Series 20 and 40 air-operated grease pumps.

**Model 85825**
Deluxe pressed steel follower plate for 400 lb. drums includes a seal in the hub to prevent channeling of grease past the pump tube.

**Model 85824 Bung Bushing**
Screws in bung opening of 55 gal. drums and custom-built tanks to secure PMV pumps. Plated to resist rust. Threaded 2" NPT(m).

**Model 85826 Drum Cover for 120 lb. Drum**
For mounting PMV pumps on open 120 lb./16 gal. drums.

**Model 85827 Drum Cover for 400 lb. Drum**
For mounting PMV pumps on open 400 lb./55 gal. drums.

**Model 83115 Lube Truck Drum Cover Tie Rod Assembly for 400 lb. Drum**
Secures PMV pump and 400 lb./55 gal. drum to lube truck deck.

**Model 82989 Lube Truck Drum Cover Tie Rod Assembly for 120 lb. Drum**
Secures PMV pump and 120 lb./16 gal. drum to lube truck deck.

**Model 273299 Air Inlet Hose**
3/8" ID x 5" air hose

**Shut-Off Valves**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Thread</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>778</td>
<td>1/2&quot; NPT(f)</td>
<td>High Pressure</td>
</tr>
</tbody>
</table>

**Quarter-Turn Valves**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Inlet/Outlet</th>
<th>Maximum Working Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>66084</td>
<td>1/2&quot; NPT(f)</td>
<td>600 psi / 52 bar</td>
</tr>
</tbody>
</table>
Lincoln’s global distribution network is the best in the industry.

Lincoln distributors provide their customers with a wide variety of lubrication equipment as well as consistent delivery and service. From small, service-oriented companies to large, integrated suppliers, Lincoln distributors meet the expectations of every customer with just the right level of service and value.

You can depend on Lincoln to continue to provide top quality lubrication solutions through the best distribution network in the United States and around the world.

For the nearest authorized Lincoln sales and service representative, call:

**Americas:**
Lincoln Industrial Corp.
One Lincoln Way
St. Louis, MO 63120
1.314.679.4200
Fax: 1.314.679.4359
Fax: 1.800.434.5359

**Europe/Africa:**
Lincoln GmbH
Heinrich-Hertz-Straße 2–B
D-69190 Walldorf
Germany
49.6227.33.0
Fax: 49.6227.33.259

**Asia/Pacific:**
Lincoln Industrial Corporation
51 Chengi Business Park
Central 2
#09-06 The Signature
Singapore 486066
65.6588.0188
Fax: 65.6588.3438