

# LINCOLN

## NEW PMV PUMP FAMILY

*Designed for  
Exceptional  
Performance,  
Long Service Life,  
Low Maintenance  
Cost*



Patent  
Pending

# ***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.





# ***Proven Lincoln Quality and Performance***

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

## PMV Part No. Reference

## PMV Part Number

## PMV Part No. Reference

Oil 05 = 5:1  
06 = 6:1  
10 = 10:1  
Grease 50 = 50:1

Pump Ratio

3 = 3"  
4 = 4.25"

Air Motor Size

V=PMV

Pump Series

Drum/Tank Size

00S = STUB  
016 = 16 Gallon  
055 = 55 Gallon  
275 = 275 Gallon  
035 = 25-50 lb.  
120 = 120 lb.  
400 = 400 lb.

Pump Mount

000 = Bare Pump  
BB = Bung Bushing  
DC = Drum Cover  
LT = Lube Truck with Drum Cover  
LB = Lube Truck with Bung Bushing  
WM = Wall Mount  
SU = Stub Universal  
HF = Hoist/Follower  
HR = Hoist/Follower/Runaway

### Description

### Included with Packages

5:1 Bare Pump	V	3	05	000	000	
5:1 Stub/Universal Pump	V	3	05	00S	SU	Bung Bushing, Air Cplr./Nipple, Air Hose, Fluid Hose
5:1 55 Gal Pump	V	3	05	055	BB	Bung Bushing, Air Cplr./Nipple, Air Hose, Fluid Hose, Down Tube
5:1 16 Gal Pump	V	3	05	016	DC	Drum Cover, Air Cplr./Nipple, Air Hose, Fluid Hose, Down Tube
5:1 275 Gal Pump	V	3	05	275	BB	Bung Bushing, Air Cplr./Nipple, Air Hose, Fluid Hose, Down Tube
5:1 Wall Mount Pump	V	3	05	00S	WM	Wall Mount Kit, Suction Kit, Air Cplr./Nipple, Air Hose, Fluid Hose
5:1 55 Gal Lube Truck Pump	V	3	05	055	LT	Drum Cover, Tie Rods/Eye Bolts, Down Tube, Air Cplr./Nipple, Air Hose
50:1 Pump, 3", 120 Lb Bare	V	3	50	120	000	
50:1 Pump, 3", 400 Lb Bare	V	3	50	400	000	
50:1 3" 120 Lb Stationary Pkg	V	3	50	120	DC	Drum Cover, Follower, Air Cplr./Nipple, Air Hose, Grease Hose, Outlet Swivel
50:1 3" 400 Lb Stationary Pkg	V	3	50	400	DC	Drum Cover, Air Cplr./Nipple, Air Hose, Grease Hose, Outlet Swivel
50:1 3" 120Lb Hoist/Follower Pkg	V	3	50	120	HF	Hoist, Follower/Primer, Air Cplr./Nipple, Air Hose, Grease Hose
50:1 3" 400Lb Hoist/Follower Pkg	V	3	50	400	HF	Hoist, Follower/Primer, Air Cplr./Nipple, Air Hose, Grease Hose
50:1 3" 120Lb Lube Truck Pkg	V	3	50	120	LT	Drum Cover, Tie Rods/Eye Bolts, Air Coupler/Nipple, Outlet Swivel
50:1 3" 400Lb Lube Truck Pkg	V	3	50	400	LT	Drum Cover, Tie Rods/Eye Bolts, Air Coupler/Nipple, Outlet Swivel
6:1 Bare Pump	V	4	06	000	000	
6:1 Stub Pump	V	4	06	00S	SU	Air Coupler/Nipple, Air Hose, Fluid Hose
6:1 Wall Mount Pump	V	4	06	00S	WM	Wall Mount Kit, Suction Kit, Air Coupler/Nipple, Air Hose, Fluid Hose
10:1 Bare Pump	V	4	10	000	000	
10:1 Stub/Universal Pump	V	4	10	00S	SU	Bung Bushing, Air Cplr./Nipple, Air Hose, Fluid Hose
10:1 55 Gal Pump W/ Drum Cvr	V	4	10	055	DC	Drum Cover, Air Cplr./Nipple, Air Hose, Fluid Hose, Down Tube
10:1 55 Gal Pump W/ Bung Bshng	V	4	10	055	BB	Bung Bushing, Air Cplr./Nipple, Air Hose, Fluid Hose, Down Tube
10:1 Wall Mount Pump	V	4	10	00S	WM	Wall Mount Kit, Suction Kit, Air Coupler/Nipple, Air Hose, Fluid Hose
10:1 55 Gal Lube Truck Pump W/Dc	V	4	10	055	LT	Drum Cover, Tie Rods/Eye Bolts, Down Tube, Air Coupler/Nipple, Air Hose
10:1 55 Gal Lube Truck Pump W/Bung Bshng	V	4	10	055	LB	Bung Bushing, Tie Rods/Eye Bolts, Down Tube, Air Coupler/Nipple, Air Hose
50:1 Pump, 4.25", 120 Lb Bare	V	4	50	120	000	
50:1 Pump, 4.25", 400 Lb Bare	V	4	50	400	000	
50:1 4.25" 120 Lb Stationary Pkg	V	4	50	120	DC	Drum Cover, Follower, Air Cplr./Nipple, Air Hose, Grease Hose, Outlet Swivel
50:1 4.25" 400 Lb Stationary Pkg	V	4	50	400	DC	Drum Cover, Follower, Air Cplr./Nipple, Air Hose, Grease Hose, Outlet Swivel
50:1 4.25" 400Lb Hoist/Follower Pkg	V	4	50	400	HF	Hoist, Follower/Primer, Air Cplr./Nipple, Air Hose, Grease Hose
50:1 4.25" 400Lb Hoist/Follower/Runaway Pkg	V	4	50	400	HR	Hoist, Follower/Primer, Air Cplr./Nipple, Air Hose, Grease Hose, Runaway Ctrl
50:1 4.25" 120Lb Lube Truck Pkg	V	4	50	120	LT	Drum Cover, Tie Rods/Eye Bolts, Air Coupler/Nipple, Outlet Swivel
50:1 4.25" 400Lb Lube Truck Pkg	V	4	50	400	LT	Drum Cover, Tie Rods/Eye Bolts, Air Coupler/Nipple, Outlet Swivel
50:1 3" 25-50Lb Bare Pump	V	3	50	035	000	
50:1 25-50 Lb Portable W/Pail Cvr				9989		Pail Cover, Air Coupler/Nipple, Grease Hose, Control Valve, Swivel
50:1 120Lb Portable W/Caster Base				9917		Drum Cover, Follower, Air Cplr./Nipple, Grease Hose, Control Vlv., Caster Base

# 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	5/8" OD x 0.049" wall tubing – up to 50' 3/4" OD x 0.049" wall tubing – up to 150'
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### 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	5/8" OD x 0.049" wall tubing – up to 300' 3/4" OD x 0.049" wall tubing – up to 1000'
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### 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'
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## 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 dispense at 0.125 lbs/min each	5/8" OD x 0.083" wall tubing – up to 500'
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### 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	3/4" OD x 0.109" wall tubing – up to 500' 1" Sch 160 pipe – up to 2000'
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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.

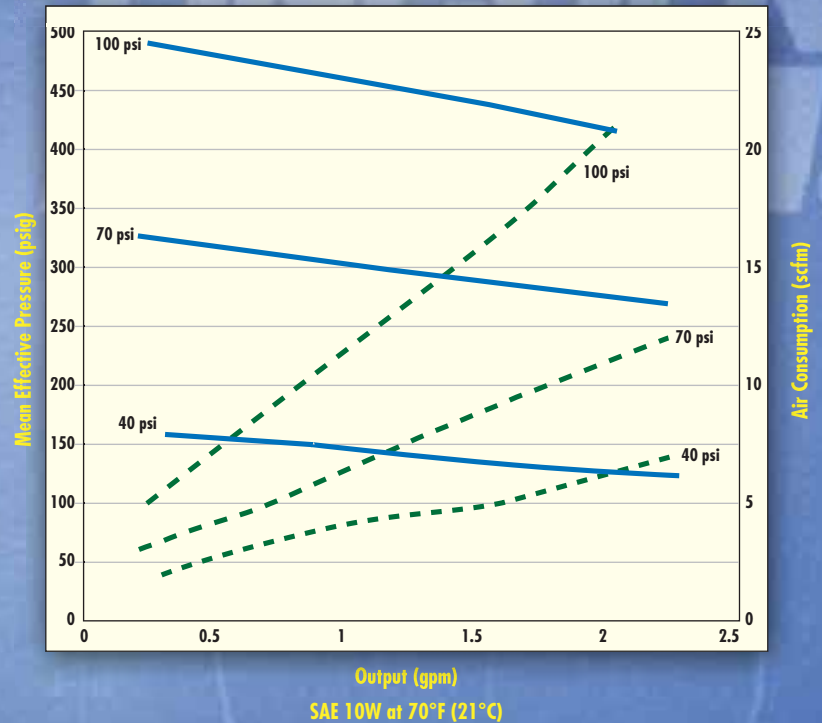
**For specific installations, please refer to  
Lincoln's Vehicle Service Planning Manual**

# 3" and 4.25" Oil Pumps – Specifications

## 5:1 Oil Pump Specifications and Performance Testing

<b>Pumping Ratio</b>	<b>5:1</b>
<b>Air Pressure</b>	<b>40 - 150 psi (2.7 - 10.3 bar)</b>
<b>Max. Output Pressure</b>	<b>750 psi (51 bar)</b>
<b>Air Inlet</b>	<b>¾ NPTF</b>
<b>Material Outlet</b>	<b>½ NPTF</b>
<b>Material Inlet</b>	<b>1½ NPTF</b>
<b>Airmotor Bore Dia.</b>	<b>3 in. (76.2 mm)</b>
<b>Stroke</b>	<b>3¼ in. (82.5 mm)</b>
<b>Output Per Cycle</b>	<b>6.7 cu. in. (110 cc)</b>
<b>Cycles/Gal (Liter)</b>	<b>34.5 (9.1)</b>
<b>Wetted Parts</b>	<b>Carbon Steel, Brass, Zinc, Polyurethane, Nitrile</b>
<b>Free Flow</b>	<b>7 gpm (26.5 lpm)</b>
<b>Overall Length (Stub)</b>	<b>17¼" (442 mm)</b>

*Decibels less than 85 at all normal operating conditions*



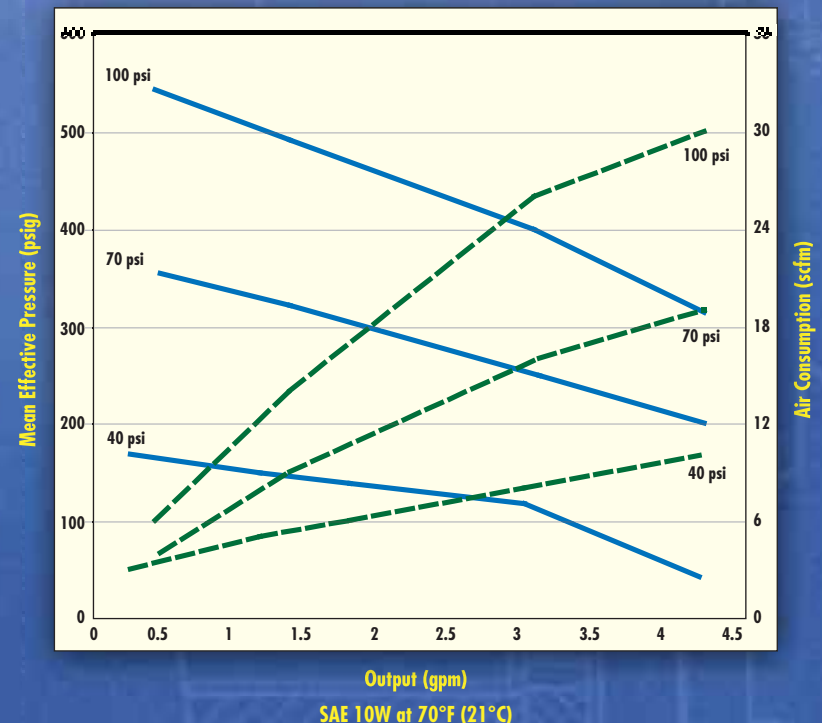
## 6:1 Oil Pump Specifications and Performance Testing

<b>Pumping Ratio</b>	<b>6:1</b>
<b>Air Pressure</b>	<b>40 - 150 psi (2.7 - 10.3 bar)</b>
<b>Max. Output Pressure</b>	<b>900 psi (62 bar)</b>
<b>Air Inlet</b>	<b>¾ NPTF</b>
<b>Material Outlet</b>	<b>½ NPTF</b>
<b>Material Inlet</b>	<b>1½ NPTF</b>
<b>Airmotor Bore Dia.</b>	<b>4¼ in. (108 mm)</b>
<b>Stroke</b>	<b>3¼ in. (82.5 mm)</b>
<b>Output Per Cycle</b>	<b>11.9 cu. in. (195 cc)</b>
<b>Cycles/Gal (Liter)</b>	<b>19.4 (5.1)</b>
<b>Wetted Parts</b>	<b>Carbon Steel, Brass, Zinc, Polyurethane, Nitrile</b>
<b>Free Flow</b>	<b>7 gpm (26.5 lpm)</b>
<b>Overall Length</b>	<b>18¾" (480 mm)</b>

*Decibels less than 85 at all normal operating conditions*

**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.*



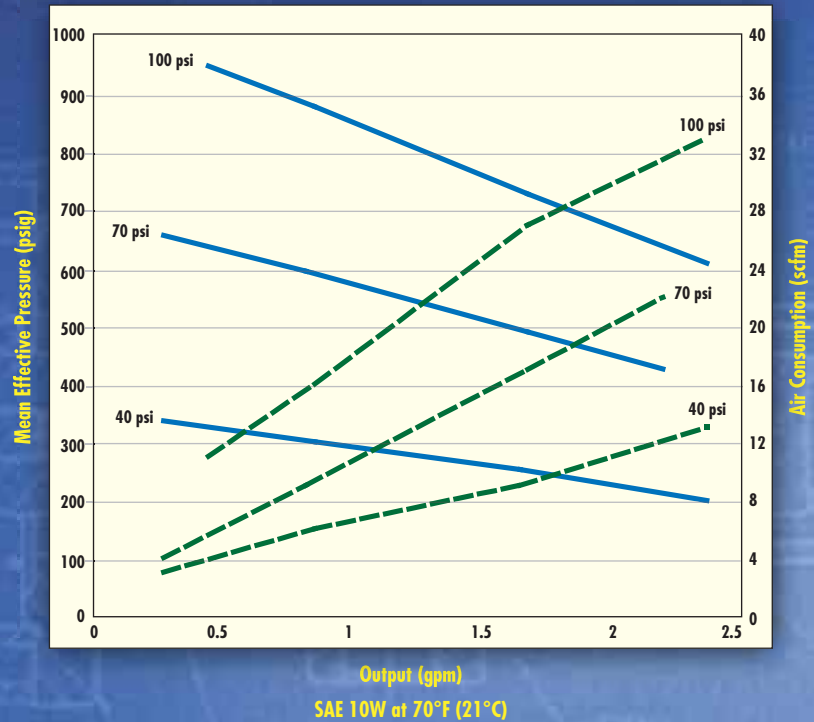


# 3" and 4.25" Oil Pumps – Specifications

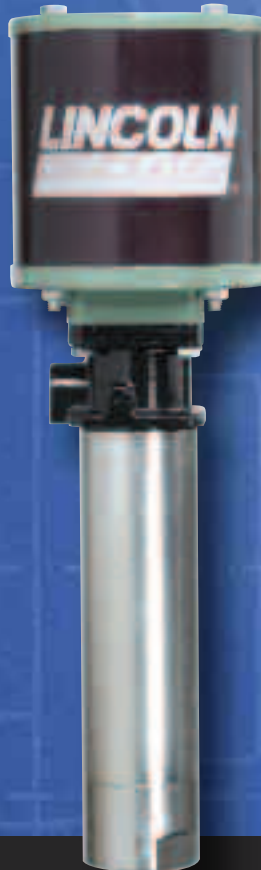
## 10:1 Oil Pump Specifications and Performance Testing

<b>Pumping Ratio</b>	<b>10:1</b>
<b>Air Pressure</b>	<b>40 - 150 psi (2.7 - 10.3 bar)</b>
<b>Max. Output Pressure</b>	<b>1500 psi (103 bar)</b>
<b>Air Inlet</b>	<b>½ NPTF</b>
<b>Material Outlet</b>	<b>½ NPTF</b>
<b>Material Inlet</b>	<b>1½ NPTF</b>
<b>Airmotor Bore Dia.</b>	<b>4¼ in. (108 mm)</b>
<b>Stroke</b>	<b>3¼ in. (82.5 mm)</b>
<b>Output Per Cycle</b>	<b>7.2 cu. in. (118 cc)</b>
<b>Cycles/Gal (Liter)</b>	<b>32.1 (8.5)</b>
<b>Wetted Parts</b>	<b>Carbon Steel, Brass, Zinc, Polyurethane, Nitrile</b>
<b>Free Flow</b>	<b>5 gpm (18.4 lpm)</b>
<b>Overall Length (Stub)</b>	<b>17¼" (443 mm)</b>

*Decibels less than 85 at all normal operating conditions*



**V30500000**  
**5:1 Bare Pump**



**V40600000**  
**6:1 Bare Pump**



**V41000000**  
**10:1 Bare Pump**



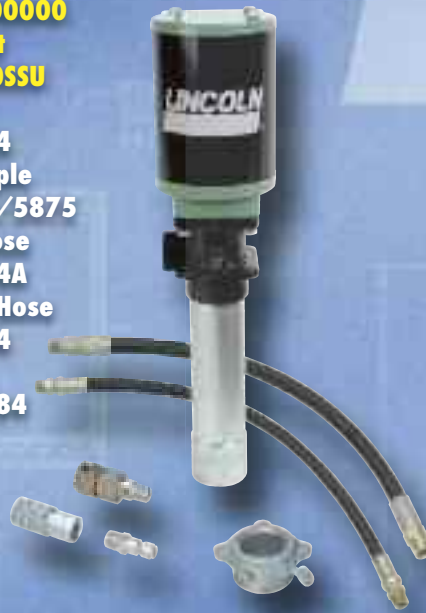
# 3" Oil Pumps



## V3050055U 5:1 Stub/Universal Pump

**Package Includes:**

- Bare Pump  
Model No. V305000000
- Stub/Universal Kit  
Model No. K0000055U
  - 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. K000275BB
  - 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



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

### **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



# 4.25" Oil Pumps

## V4100055U 10:1 Stub/Universal Pump

Package Includes:

- Bare Pump Model No. V410000000
- Stub/Universal Kit Model No. K000055U
  - 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:**

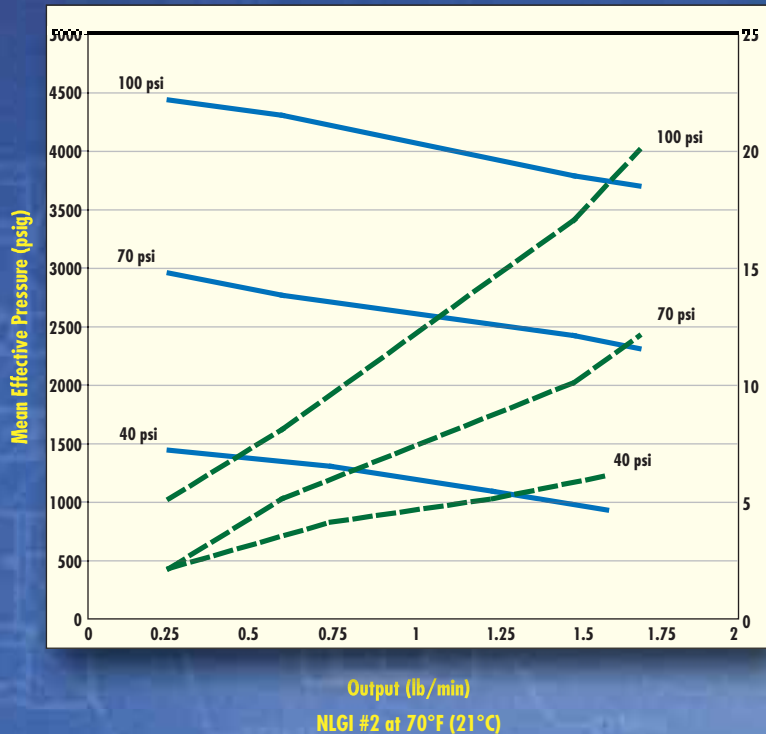
- Bare Pump Model No. V410000000
- 55-gal. Lube Truck Kit with Bung Bushing Model No. K000055LB
  - Bung Bushing Model No. 85824
  - Tie Rod Kit Model No. 83131
  - Suction Tube Model No. 85807
  - Air Coupler/Nipple Model No. 5874/5875
  - 3/8" x 5' Air Hose Model No. 273299

# 3" and 4.25" Grease Pumps – Specifications

## 50:1 3" Grease Pump Specifications / Performance Testing

<b>Pumping Ratio</b>	<b>50:1</b>
<b>Air Pressure</b>	<b>40 - 150 psi (2.7 - 10.3 bar)</b>
<b>Max. Output Pressure</b>	<b>7500 psi (517 bar)</b>
<b>Air Inlet</b>	<b>3/8" NPTF</b>
<b>Material Outlet</b>	<b>1/4" NPTF</b>
<b>Airmotor Bore Dia.</b>	<b>3 in. (76.2 mm)</b>
<b>Stroke</b>	<b>3 1/4 in. (82.5 mm)</b>
<b>Output Per Cycle</b>	<b>0.78 cu. in. (12.8 cc)</b>
<b>Wetted Parts</b>	<b>Carbon Steel, Brass, Zinc, Polyurethane, Nitrile</b>
<b>Free Flow</b>	<b>168 in<sup>3</sup>/min (2753 cc/min)</b>
<b>Overall Length (35 Lb.)</b>	<b>27 7/8" (708 mm)</b>
<b>Overall Length (120 Lb.)</b>	<b>36 3/8" (924 mm)</b>
<b>Overall Length (400 Lb.)</b>	<b>42 7/8" (1089 mm)</b>

Decibels less than 85 at all normal operating conditions

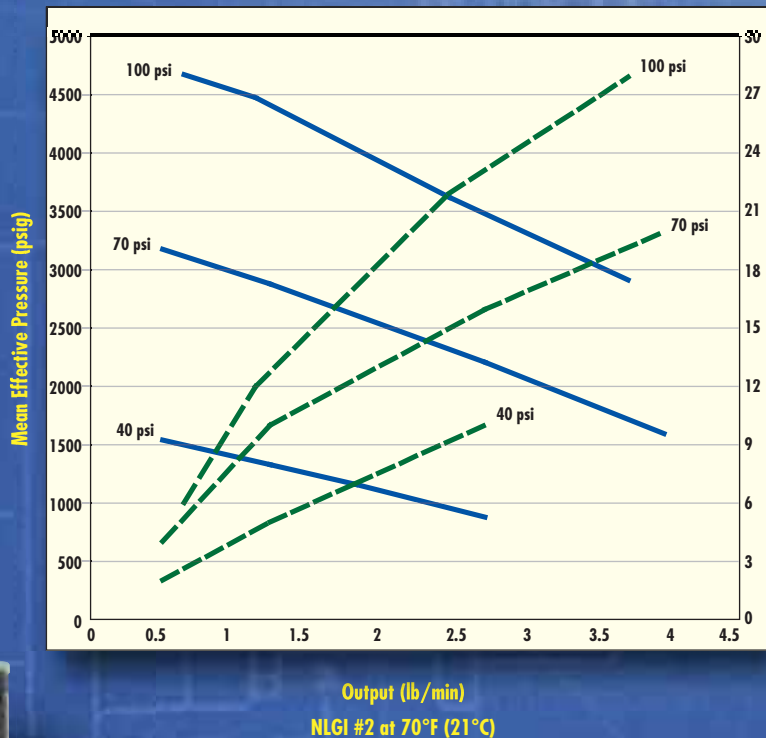


Air Consumption (scfm)

## 50:1 4.25" Grease Pump Specifications / Performance Testing

<b>Pumping Ratio</b>	<b>50:1</b>
<b>Air Pressure</b>	<b>40 - 150 psi (2.7 - 10.3 bar)</b>
<b>Max. Output Pressure</b>	<b>7500 psi (517 bar)</b>
<b>Air Inlet</b>	<b>3/8" NPTF</b>
<b>Material Outlet</b>	<b>1/4" NPTF</b>
<b>Airmotor Bore Dia.</b>	<b>4 1/4 in. (108 mm)</b>
<b>Stroke</b>	<b>3 1/4 in. (82.5 mm)</b>
<b>Output Per Cycle</b>	<b>1.47 cu. in. (24.1 cc)</b>
<b>Wetted Parts</b>	<b>Carbon Steel, Brass, Zinc, Polyurethane, Nitrile</b>
<b>Free Flow</b>	<b>220 in<sup>3</sup>/min (3605 cc/min)</b>
<b>Overall Length (120 Lb.)</b>	<b>36 7/16" (926 mm)</b>
<b>Overall Length (400 Lb.)</b>	<b>42 15/16" (1091 mm)</b>

Decibels less than 85 at all normal operating conditions



Air Consumption (scfm)

3" Air Motor



4.25" Air Motor





## 3" Grease Pumps



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



**V35040000**  
**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



V350120HF



# 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 84780 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:

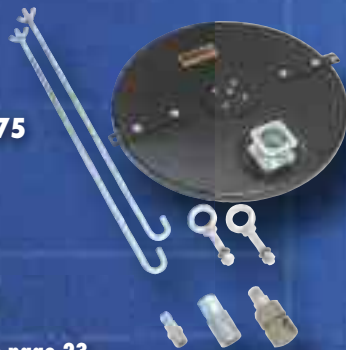
- Bare Pump Model No. V450120000
- 120-lb. Lube Truck Kit Model No. K050120LT
  - 120-lb. Drum Cover with Tie Downs  
Model No. 84829
  - Elbow Union  
Model No. 80202
  - Air Coupler/Nipple  
Model No. 5874/5875
  - Lifting Eye  
Model No. 275416



## 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

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



## Portable Pumps

# LINCOLN

**85791**  
**50:1 – 3"**  
**25-, 50-lb.**  
**Bare Pump**



**9989**  
**50:1 – 25-, 50-lb.**  
**Portable with Pail Cover**

Package Includes:

- **Bare Pump Model No. 85791**
  - Drum Cover Model No. 275370
  - Flexible Follower Model No. 84775
  - 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

**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
  - Caster Base Model No. 80895



# Accessories



84945

## 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 1½" NPT suction tubes
- Model 84946 for 1" NPT suction tubes



82439

## Model 275413 Wall Mount Bracket

Wall mount bracket for PMV pumps.

## Thermal Pressure Relief Valve

### Model 282876

Protect lube system components from high-pressure spikes caused by temperature change in a closed fluid network.

Model No.	Application	Pre-Set Relief Pressure	Port Size
282876	Piston Pumps	1000 psi / 68 bar	½" NPT

## 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.

Model No.	For Modular Use with	For In-Line Use with	Max. Air Supply psi / bar	Operating Temp. Range
247771	¾" Modular	¾"	250 / 17	0°F to 150°F -20°C to 65°C

## Integrated/Modular Filter/Regulator with Gauge

Can be used with other AirCare Modular Components.

Model No.	Maximum Air Supply	Operating Temp. Range	Element Particle Size	Outlet Press. Adj. Range
602136	250 psi 17 bar	0°F to 150°F -18°C to 65°C	40 m	5 to 150 psi 0.3 to 10 bar

Model No.	Drain Type	Port Size PTF	Dimensions-in./mm				Weight lbs./kg
			A	B	C	D	
602136	Manual	¾"	5.27 134	2.89 73	1.98 50	3.29 83	1.2 0.5



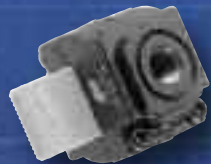
275413



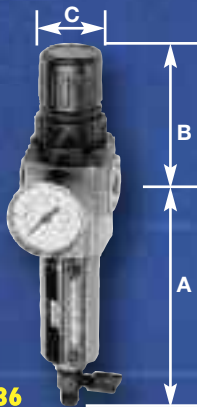
282876



85840



247771



602136



# Accessories



84780

85825



85824

273299



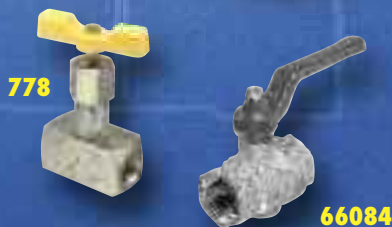
83115

82989



85826

85827



778

66084

## ***Follower Plates***

Recommended when pumping viscous lubricants that will not seek their own level.

### ***Model 84780***

For use with 120 lb. containers for 1", 1¼", 1½", 1½", 2½" 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***

¾" ID x 5" air hose

## ***Shut-Off Valves***

### ***Needle-Type Valves for Chassis Grease***

Model No.	Thread	Description
778	¼" NPT(f)	High Pressure

## ***Quarter-Turn Valves***

### ***Medium Pressure***

Model No.	Inlet/Outlet	Maximum Working Pressure
66084	½" NPT(f)	600 psi / 52 bar

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