

Lincoln
PMV Pump &
Accessories



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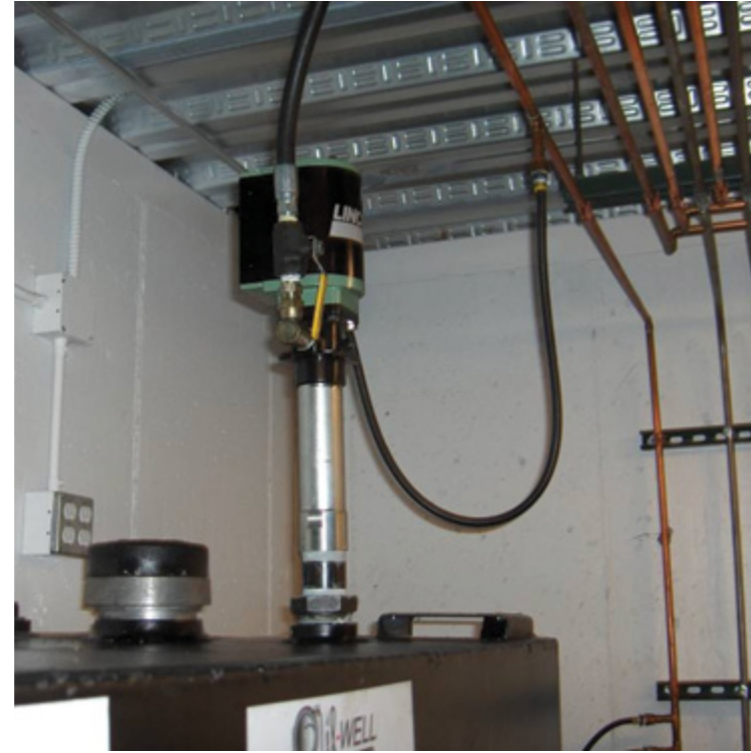
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Wall mounted PMV oil pumps with remote suction



PMV oil pump mounted directly in bulk oil tank

Lincoln PMV Series Pumps

Designed for Exceptional Performance, Long Service Life, Low Maintenance Cost & Field Serviceability

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03-000888PMV



03-084050PMV

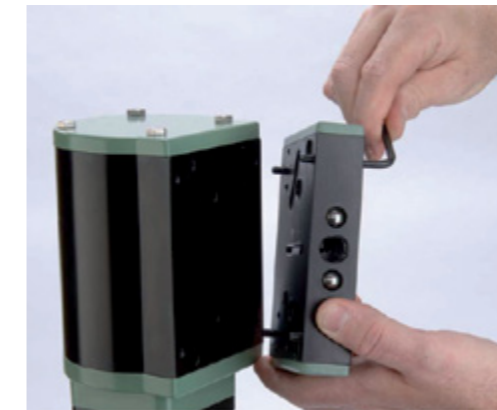
New PMV Grease and Oil Pumps

The new Lincoln PMV grease and oil pumps have been developed to offer exceptional performance, a long service life and low maintenance costs. The unique, patent pending modular design is based on Lincoln's proven PowerMaster III air logic and includes only five moving parts, providing a longer life to the pump through a smaller number of wearing parts making it easier to service in the field.

The PMV is available in two air motor sizes: 3" and 4-1/4". The PMV pump is offered in a wide range of ratios as well as stationary and portable configurations and is ideal for the lubricant dispensing and transfer applications in vehicle service, mining, construction and manufacturing applications.

Features and Benefits:

Air Valve Assembly



Modular Air Valve Assembly

- Proven design based on PowerMaster III air logic pump technology
- Modular, in construction and fastened by four bolts means quick and easy maintenance and non removal of the pump from the system
- Precision machined aluminium so less susceptible to temperature than plastic spools
- No springs, rods, levers or slides: fewer wearing parts, increases durability and lowers repair costs
- Designed to tolerate slightly contaminated air supply but not recommended, overcoming problems with airline filters, gap helps prevent damage from knocks

Air Cylinder

- One-piece cylinder casting containing all ports and passages to simplify repairs
- One-piece piston with no connection to any rods, spools, springs or poppets reduces premature mechanical failures
- One O-ring on piston reduces leak paths and improves Pump Tube durability
- One-piece machined gland nut, easy to maintain
- Separated air motor seal which reduces the chance of contamination in the motor

PMV Pump Seals are made from durable polyurethane, Pump Rod is hard-chrome plated allowing for superior sealing and wear resistance.

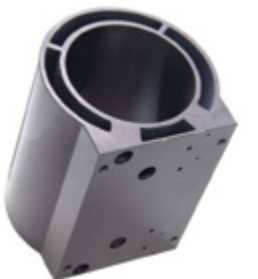
Decibel Level

All PMV pumps have a decibel level of less than 85 at all normal operating conditions.



PMV grease pump

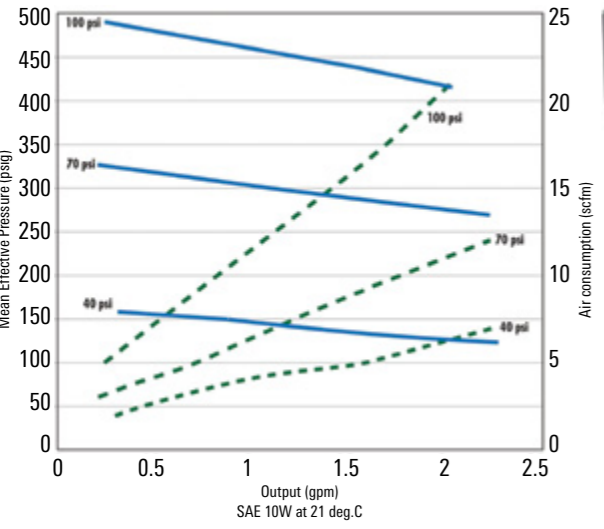
PMV oil pump



One piece air cylinder



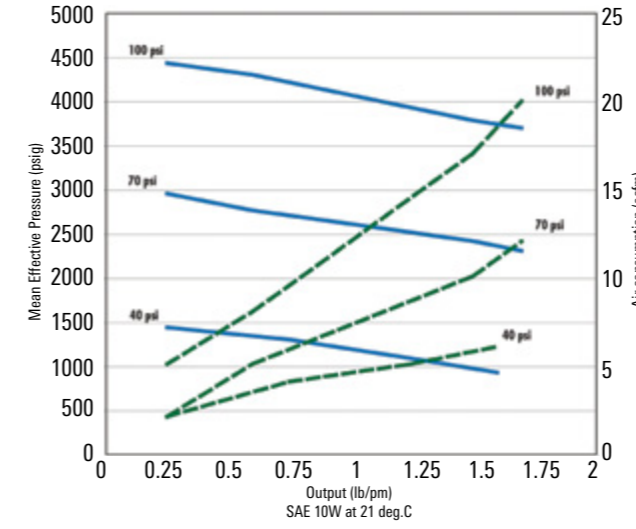
Internal view



3" and 4.25" Oil Stub Pumps – Specifications

5:1 Oil Pump Specifications and Performance Testing

Part Number	01-V305000000
Pumping Ratio	5:1
Air Pressure	2.7-10.3 bar (40-150 psi)
Max. Output Pressure	51 bar (750 psi)
Air Inlet	3/8 NPTF
Material Outlet	1/2 NPTF
Material Inlet	1 1/2 NPTF
Airmotor Bore Dia.	76.2 mm (3 in.)
Stroke	82.5 mm (3 1/4 in.)
Output Per Cycle	110cc (6.7 cu. in.)
Cycles/Litre	9.1 (34.5 Gal.)
Wetted Parts	Carbon Steel, Brass, Zinc, Polyurethane, Nitrile
Free Flow	26.5 lpm (7 gpm)
Overall Length (Stub)	442 mm (17 3/8")

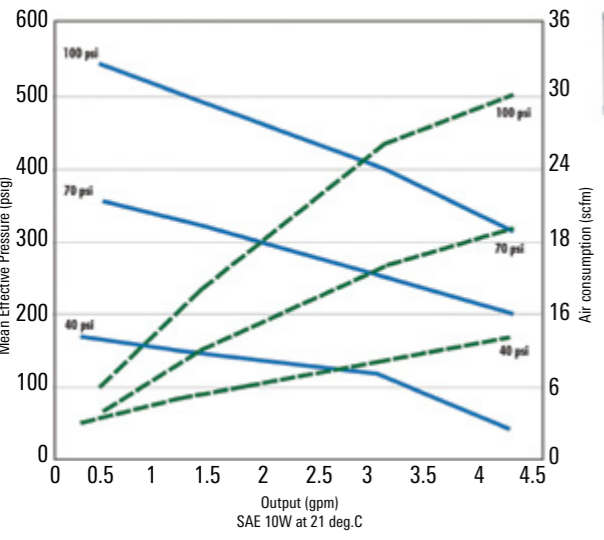


3" Grease Pumps – Specifications

50:1 3" 20kg / 60kg / 180kg Grease Pump Specifications and Performance Testing

Pumping Ratio	50:1
Air Pressure	2.7-10.3 bar (40-150 psi)
Max. Output Pressure	517 bar (7500 psi)
Air Inlet	3/8 NPTF
Material Outlet	1/4 NPTF
Airmotor Bore Dia.	76.2 mm (3 in.)
Stroke	82.5 mm (3 1/4 in.)
Output Per Cycle	12.8cc (0.78 cu. in.)
Wetted Parts	Carbon Steel, Brass, Zinc, Polyurethane, Nitrile
Free Flow	2753 cc/min (168 cu.in./min)

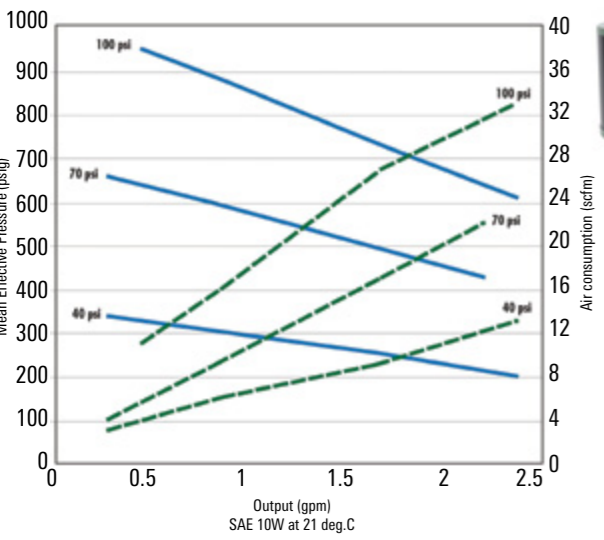
Part Number	01-V350035000
Dimension A	708 mm (27 7/8")
Dimension B	480 mm (18 7/8")
Reservoir Size	20kg
Part Number	01-V350120000
Dimension A	924 mm (36 3/8")
Dimension B	695 mm (27 7/8")
Reservoir Size	60kg
Part Number	01-V350400000
Dimension A	1089 mm (42 7/8")
Dimension B	860 mm (33 7/8")
Reservoir Size	180kg



6:1 Oil Stub Pump Specifications and Performance Testing

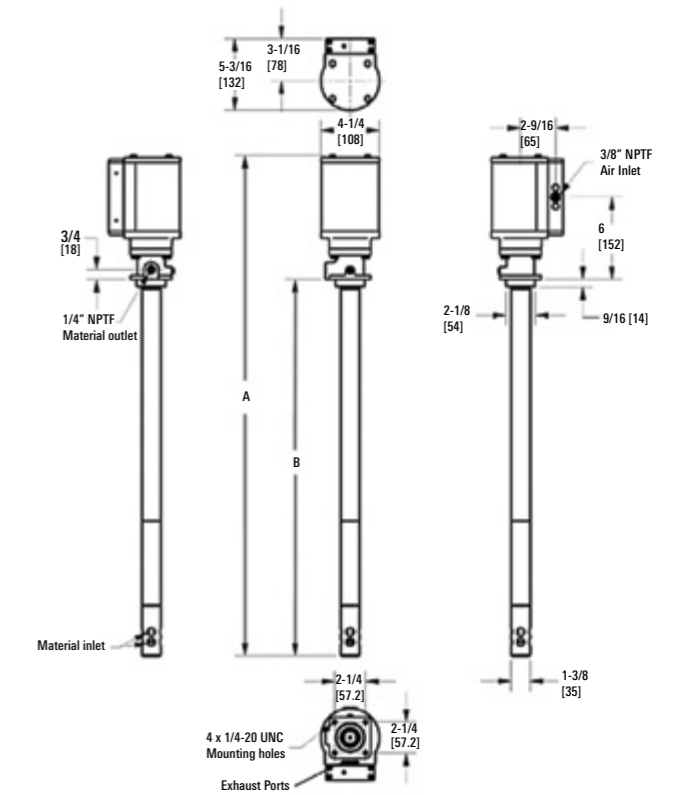
Part Number	01-V406000000
Pumping Ratio	6:1
Air Pressure	2.7-10.3 bar (40-150 psi)
Max. Output Pressure	62 bar (900 psi)
Air Inlet	3/8 NPTF
Material Outlet	1/2 NPTF
Material Inlet	1 1/2 NPTF
Airmotor Bore Dia.	108 mm (4 1/4 in.)
Stroke	82.5 mm (3 1/4 in.)
Output Per Cycle	195cc (11.9 cu. in.)
Cycles/Litre	5.1 (19.4 Gal.)
Wetted Parts	Carbon Steel, Brass, Zinc, Polyurethane, Nitrile
Free Flow	26.5 lpm (7 gpm)
Overall Length (Stub)	480 mm (18 7/8")

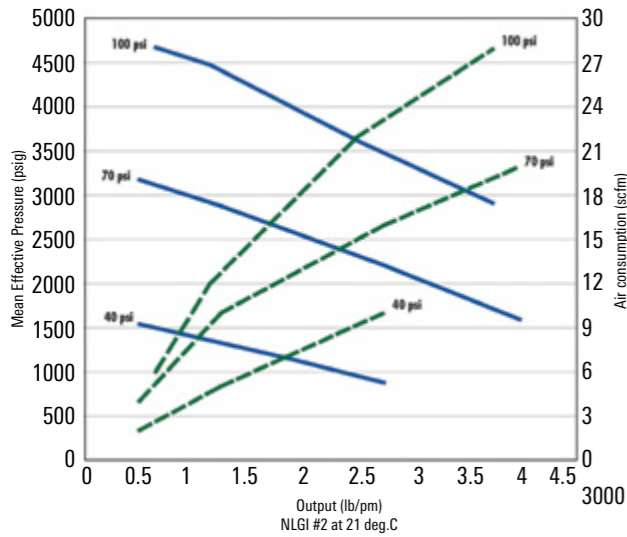
NOTE: 6:1 pumps for stub or wall mount only.
Not for use with bung bushings.



10:1 Oil Stub Pump Specifications and Performance Testing

Part Number	01-V410000000
Pumping Ratio	10:1
Air Pressure	2.7-10.3 bar (40-150 psi)
Max. Output Pressure	103 bar (1500 psi)
Air Inlet	3/8 NPTF
Material Outlet	1/2 NPTF
Material Inlet	1 1/2 NPTF
Airmotor Bore Dia.	108 mm (4 1/4 in.)
Stroke	82.5 mm (3 1/4 in.)
Output Per Cycle	118cc (7.2 cu. in.)
Cycles/Litre	8.5 (32.1 Gal.)
Wetted Parts	Carbon Steel, Brass, Zinc, Polyurethane, Nitrile
Free Flow	18.4 lpm (5 gpm)
Overall Length (Stub)	443 mm (17 7/16")



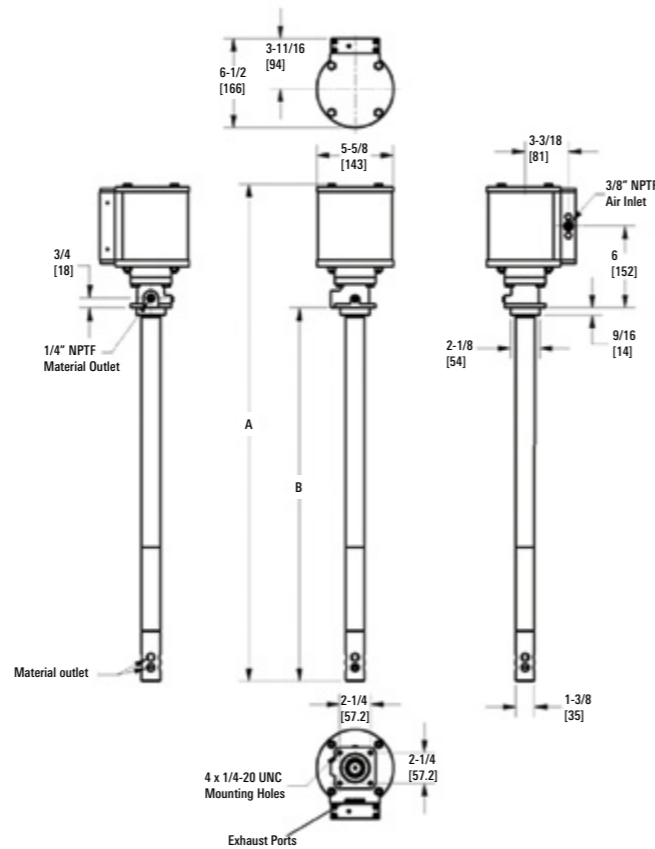


4.25" Grease Pumps – Specifications

50:1 4.25" 60kg / 180kg Grease Pump Specifications and Performance Testing

Pumping Ratio	50:1
Air Pressure	2.7 - 10.3 bar (40 - 150 psi)
Max. Output Pressure	Pressure 517 bar (7500 psi)
Air Inlet	3/8 NPTF
Material Outlet	1/4 NPTF
Airmotor Bore Dia.	108 mm (4 1/4 in.)
Stroke	82.5 mm (3 1/4 in.)
Output Per Cycle	24.1cc (1.47 cu. in.)
Wetted Parts	Carbon Steel, Brass, Zinc, Polyurethane, Nitrile
Free Flow	3605 cc/min (220 cu.in/min)

Part Number	01-V450120000
Dimension A	924 mm (36 7/16")
Dimension B	695 mm (27 3/8")
Reservoir Size	60kg
Part Number	01-V450400000
Dimension A	1091 mm (42 15/16")
Dimension B	860 mm (33 7/8")
Reservoir Size	180kg



PMV Pump Accessories

1. Drum Covers and Cover Adaptor

A drum cover secures and centralises the pump in the drum while keeping out contamination.

Model 03-091144-1 - Lid adaptor for all 20 kg pumps

Aluminium Lid Adaptor for all 20kg Lincoln Pumps. This adaptor is to allow the installation of a PMV pump unit when replacing an 01-083513 with a PMV pump in a 20kg grease pail cover.

Model 03-091144-1 - Lid adaptor for all 20 kg pumps

Aluminium Lid Adaptor for all 20kg Lincoln Pumps. This adaptor is to allow the installation of a PMV pump unit when replacing an 01-083513 with a PMV pump in a 20kg grease pail cover. The adaptor is machine grooved on the lower face to centralize the internal bores on both casting and drum cover and requires 4 threaded mounting rod with nut assemblies (03-099144-4).

Model 03-091155K - Complete drum cover for 20 kg pumps

Drum cover and thumb screws for 20kg open top drums. This cover comes with an aluminium adaptor (01-091144-1) to allow the installation of a PMV pump unit and is also used when replacing an 01-083513 with a PMV pump and includes 4 mounting rod with nut assemblies (03-091144-4).

Model 03-093269K/03-084050 - Drum cover

Drum Cover and Seal for model 03-084050 drum. When replacing the 01-083513 pump in an older style 03-084050 Drum Pump Assembly a new style replacement lid, with a larger diameter spigot hole (56mm) will be required.

Model 03-081523K - Heavy Duty Drum Cover

Drum cover and thumb screws for 180kg open top drums

Model 01-085827K - Drum Cover

Drum cover and thumb screws for 180kg open top drums



2. Followers

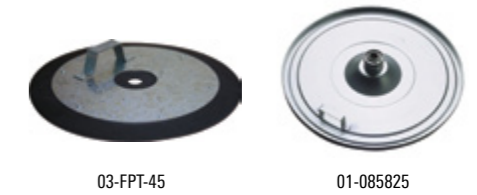
A follower plate is recommended when pumping lubricants that will not seek their own level. The follower keeps contamination from entering the product and also assists in preventing product cavitation.

Model 03-FPT-45 - Follower Plate for 20 kg Pump

For use with 20kg containers. The rubber seals ensure the maximum usage of product in the reservoir or container and removes the possibility of contamination ingress.

Model 01-085825 - Lincoln PMV 180 kg Follower Plate

Deluxe pressed steel follower plate for 180kg drums. The follower includes a seal in the hub to prevent channelling of grease past the pump tube.



3. Air Service Units

Air line controls are a must for safe, reliable and effective air pump operation.

Model 01-602136 - Filter/Regulator with Gauge

Integrated/Modular Filter/Regulator with Gauge, this modular unit does not include a lubricator.

Model 01-602206 - Air line lubricator

Lincoln 3/8" modular air line lubricator.



4. Wall Mount Bracket

Model 275413 - Wall Mount Bracket

Wall mount bracket for PMV Stub Pumps.



5. Suction Kit

Used in conjunction with wall mounted stub pumps.

Model 01-084945 - Lincoln Suction Kit

This suction kit is for the transfer of product from drums, bulk tanks or reservoirs. The kit includes bung bush, suction tube, hose and coupling assembly. The hose screws directly into the bottom of the stub pump.



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