



Industrial Division—USA
ISO 9001 Registered

Models 600401761, 600401768 QUICKLUB® ELECTRIC PUMP Series "B"

TYPE 103
ELECTRICALLY OPERATED - 24 VDC & 12 VDC
FOR USE WITH GREASE OR OIL

SPECIFICATIONS:

Power Requirement:

- 1 Amp @ 24 VDC (Model 600401761)
- 2 Amps @ 12 VDC (Model 600401768)

Number of Outlets: Unit has total of 3 outlets, shipped with one element installed, and the other two outlets plugged. Additional pump elements may be added.

Outlet Connection: 1/4" NPTF (female)

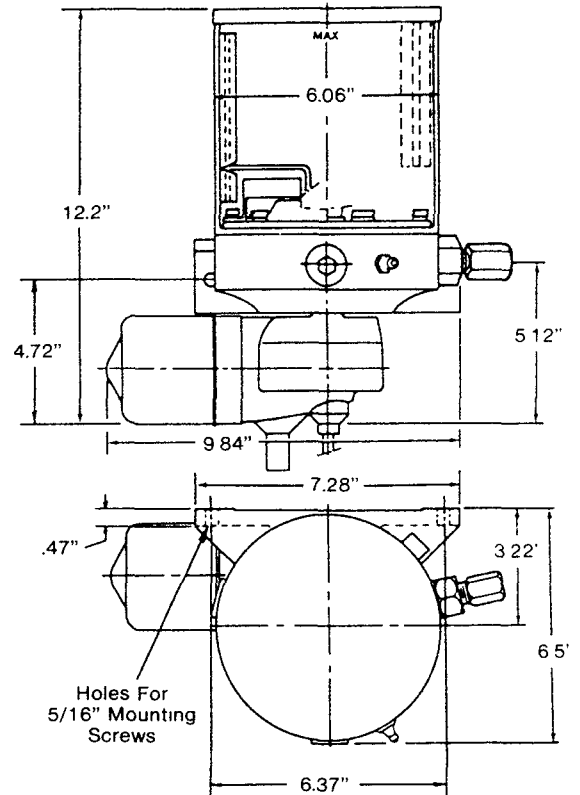
Max. Recommended Operating Pressure:
3600 psi (250 bar)

Lubricant Output Per Outlet At Zero Backpressure:
0.128 cu. in. (2.1 cc)

Reservoir Capacity: 122 cu. in. (2000 cc)

Operating Temperature: -22°F to +176°F

Suitable Lubricants: up to penetration class NLGI 2 (depending on the operating temperature and type of lubricant).



DESCRIPTION

Models 600401761 (24 VDC) and 600401768 (12 VDC) Pumps are electrically operated and used in a progressive type centralized lubrication system. The pumps consists of a pump housing, a 24 VDC or 12 VDC gear motor and a 122 cu. in. (2000 cc) plastic reservoir with stirrer. The high operating pressure (3600 psi) allows the pump to supply normal commercial lubricant up to NLGI 2.

MOUNTING THE PUMP

Select an easily accessible place of installation. This will facilitate the control and the filling of the lubricant reservoir. The pump **must** be mounted vertically on an even surface by means of two bolts (supplied by customer). The motor **must** be connected to an electrical supply of 24 VDC (Model 600401761) or 12 VDC (Model 600401768).

TO FILL RESERVOIR

Grease - It is recommended the reservoir be filled through the 5050 Lube Fitting located at the base of the reservoir, using an air operated or hand operated grease pump.

Oil - Remove reservoir cap and pour oil into reservoir. Replace reservoir cap.

INSTALLING PUMP ELEMENT

Pump elements can only be installed when the pump is shut off.

NOTE: Before installing a pump element make sure that the scraper of the stirring paddle is located on the opposite side

Remove 246422 Closure Plug from pump housing. Install 600271231 Pump Element into the housing by hand, then tighten with wrench to 22 ft lbs

TO PRIME SYSTEM

Pump & Supply Lines: After reservoir has been filled with recommended lubricant, loosen supply line fittings. Operate pump until lubricant flows from any outlet, then tighten fitting. Repeat procedure until fittings are tightened and supply lines are primed.

Feeder Lines: Fill each feeder line with lubricant before connecting to outlet of divider valve and bearing. This will prevent having to cycle each divider valve to fill line between divider valve and bearing.



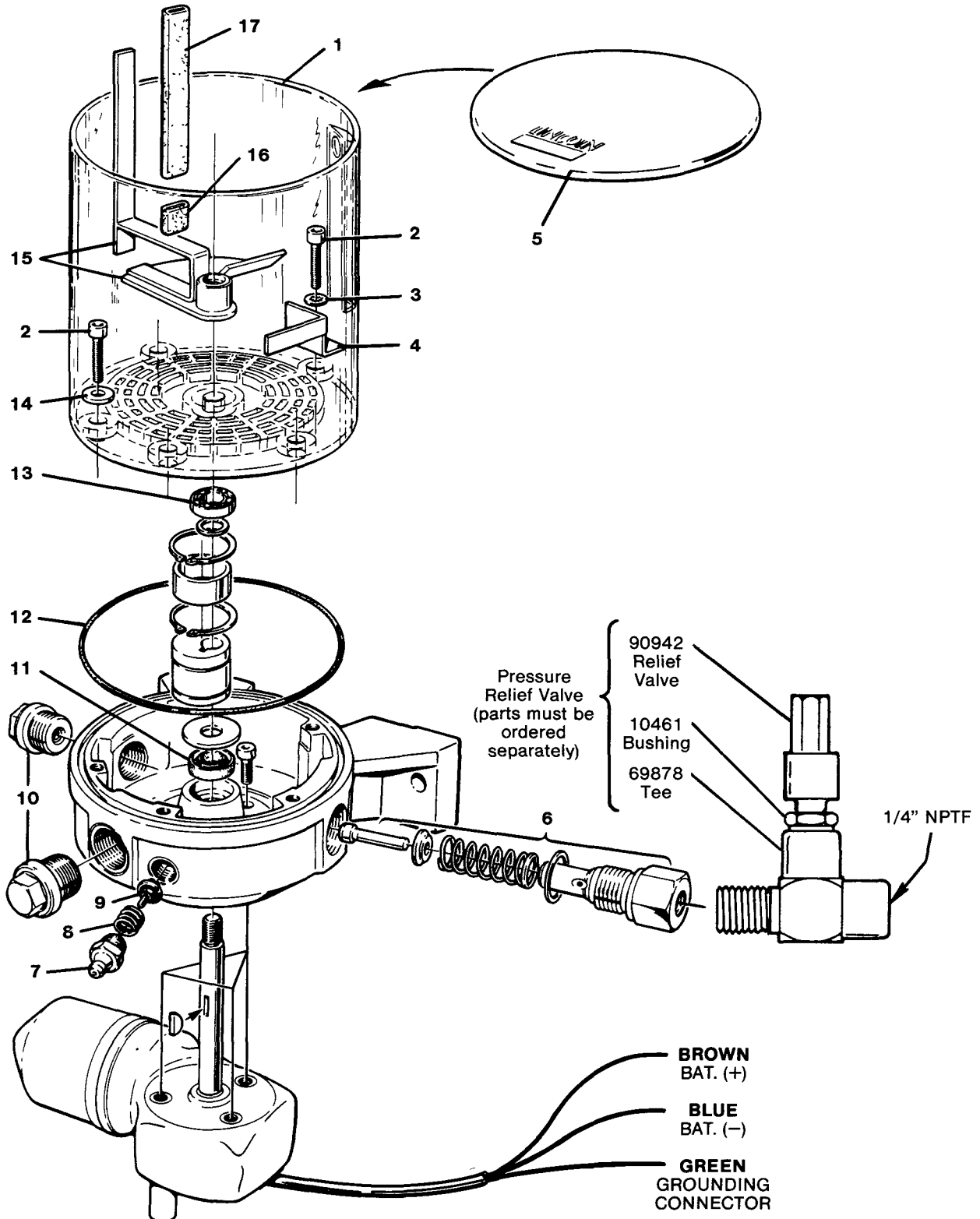
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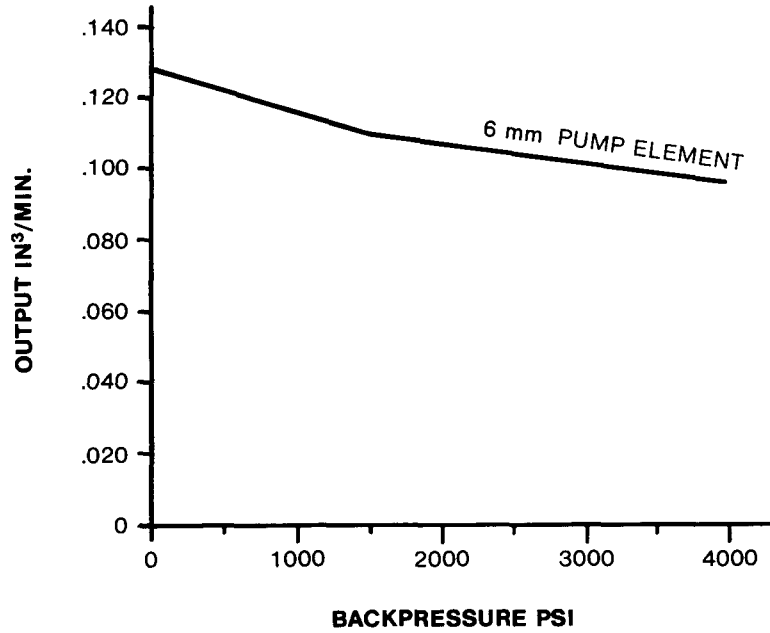
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Section - Q3
Page - 1A

Models
600401761 (24 VDC)
600401768 (12 VDC)
QUICKLUB®
ELECTRIC PUMPS





SERVICE PARTS

Item No.	Description	Qty.	Part No.
1	Reservoir	1	★
2	Hex. socket head screw	5	★
3	Tooth lock washer	1	★
4	Paddle	1	●
5	Cover	1	319191341
6	Pump element w/piston dia. 6 mm, assy	1	600271231
7	Hydraulic lubrication fitting	1	■ 5050
8	Spring	1	■
9	Filter insert	1	■
10	Closure plug	2	246422
11	Radial Seal	1	★ 219130841
12	O-ring (buna-N)	1	★
13	Grooved ball bearing	1	★
14	Washer	4	★
15	Stirring paddle assy	1	●
16	Scraper rubber, short	1	●
17	Scraper rubber, long	1	●

★ Included in 244990 Reservoir Kit

● Included in 244989 Paddle Kit

■ Included in 244991 Filler Kit

No other components available as repair parts.

TROUBLESHOOTING

PROBLEM	SOLUTION
1) Pump actuates without delivering lubricant.	<p>Lubricant reservoir empty - Check lubricant level in reservoir and fill if necessary.</p> <p>Pump is air locked - Vent air from the pump. Refer to instructions under To Prime System.</p> <p>Blockage in delivery line - With motor rotating, loosen main lines from pump elements in turn, until lubricant emerges under pressure. This will indicate in which line or section of the system the blockage has occurred. Loosen fittings at divider valves or at lubrication points until lubricant emerges from outlet to atmosphere. This will indicate in which line the blockage has occurred. Clear blockage or replace delivery line if damaged. Tighten all loose fittings.</p> <p>Pump element is inoperative - With motor rotating, disconnect main lines in turn from pump elements and check for lubricant delivery, repair or replace pump element if necessary.</p> <p>Motor failure - Check systems fuses, replace if necessary.</p>

RETAIN THIS INFORMATION FOR FUTURE REFERENCE

When ordering replacement parts, list: Part Number, Description, Model Number and Series Letter.

LINCOLN provides a Distributor Network that stocks equipment and replacement parts.