

# QUICKLUB® ELECTRIC PUMP

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

# Model 600401761

## Series "A"

### SPECIFICATIONS:

**Power Requirement:** 1 Amp @ 24 VDC

**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)

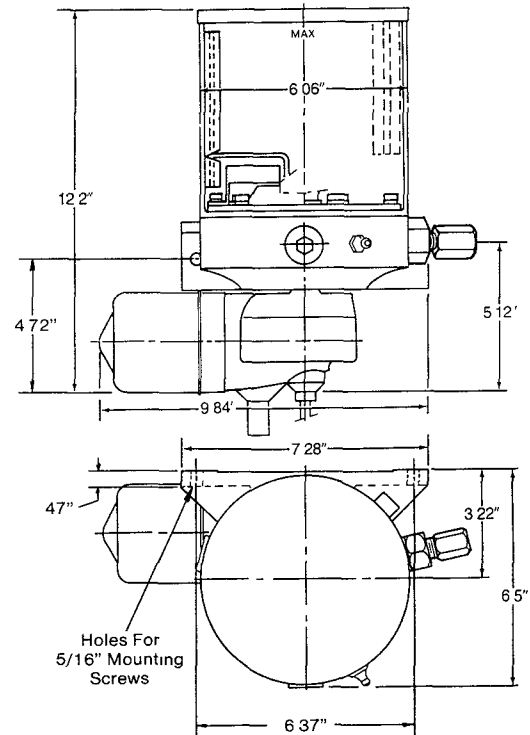
**Max. Recommended Operating Pressure:** 3600 psi (250 bar)

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

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

**Operating Temperature:** -30°C to +80°C

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



### DESCRIPTION

The 600401761 Pump is electrically operated and used in a progressive type centralized lubrication system. The pump consists of a pump housing, a 24 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.

### 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 203120723 Closure Plug and 306178131 Washer 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.

**LINCOLN**

A PENTAIR COMPANY

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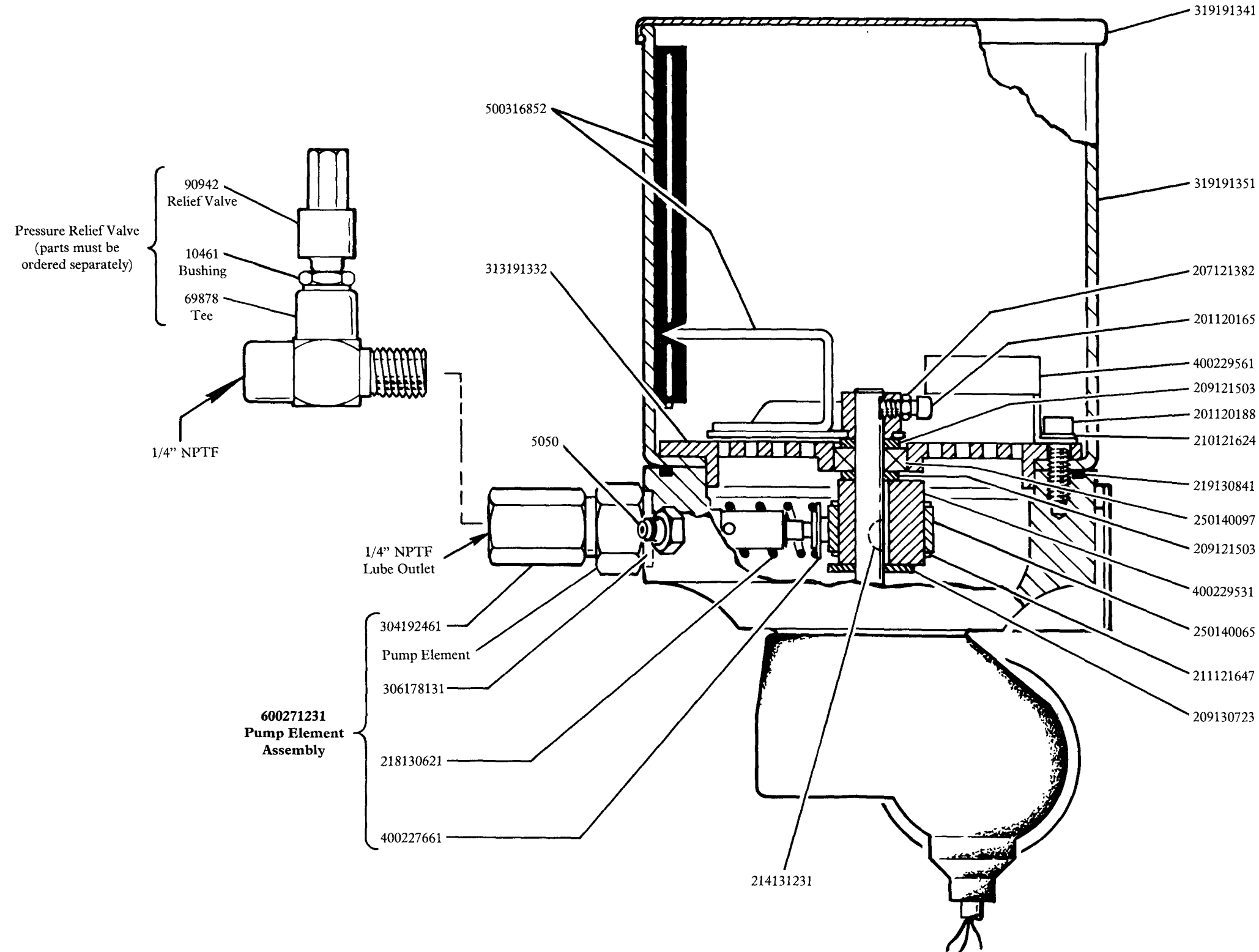
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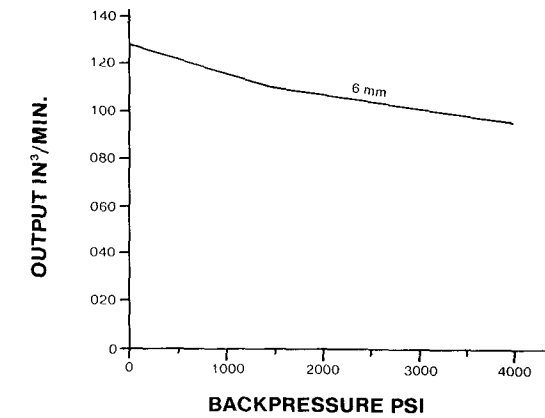
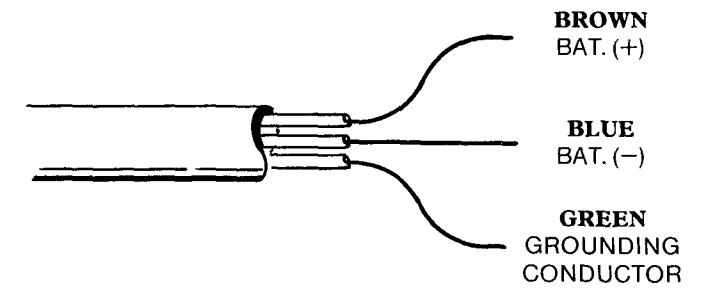
## SERVICE PARTS

PART	QUAN.	DESCRIPTION
5050	1	Lube fitting
201120165	1	Screw
201120188	5	Screw
*203120723	2	Closure plug
207121382	1	Nut
209121503	2	Washer
209130723	1	Washer
210121624	5	Lockwasher
211121647	1	Retaining ring
214131231	1	Woodruff key
218130621	1	Piston return spring
219130841	1	O-ring
250140065	1	Inner ring
250140097	1	Ball bearing
304192461	1	Outlet adapter
306178131	3	Sealing washer
313191332	1	Bearing retainer
319191341	1	Reservoir cap
319191351	1	Reservoir
400227661	1	Piston washer
400229531	1	Eccentric
400229561	1	Fixed paddle
500316852	1	Stirring paddle assembly
600271231	1	Pump element assembly

\* Closure plug (used to plug pump outlet) not illustrated.



## WIRING CONNECTIONS



## 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.

A list of Authorized Service Departments will be furnished upon request.