



FROST ENGINEERING SERVICE

A DIVISION OF GECSEY SALES & SERVICE

“ACTUAL SIZE”



Small in Size, Big in Performance

The Series 40002 pneumatic pre-lube pumps are designed for economy, performance and ease of maintenance. This innovative pre-lube pump out performs any similar pneumatic pump in this size range.

Simplicity

The Series 40002 pre-lube pumps are compact, lightweight and have fewer moving parts which means fewer things to go wrong. Easy to install, and require no specialized training or tools for maintenance or repair.

Stainless Steel construction for corrosion free, long life in the most hostile environments.

Economy

The economy only begins with the initial low cost. The savings continue with proper lubricating of the compressor cylinder components before start-up.



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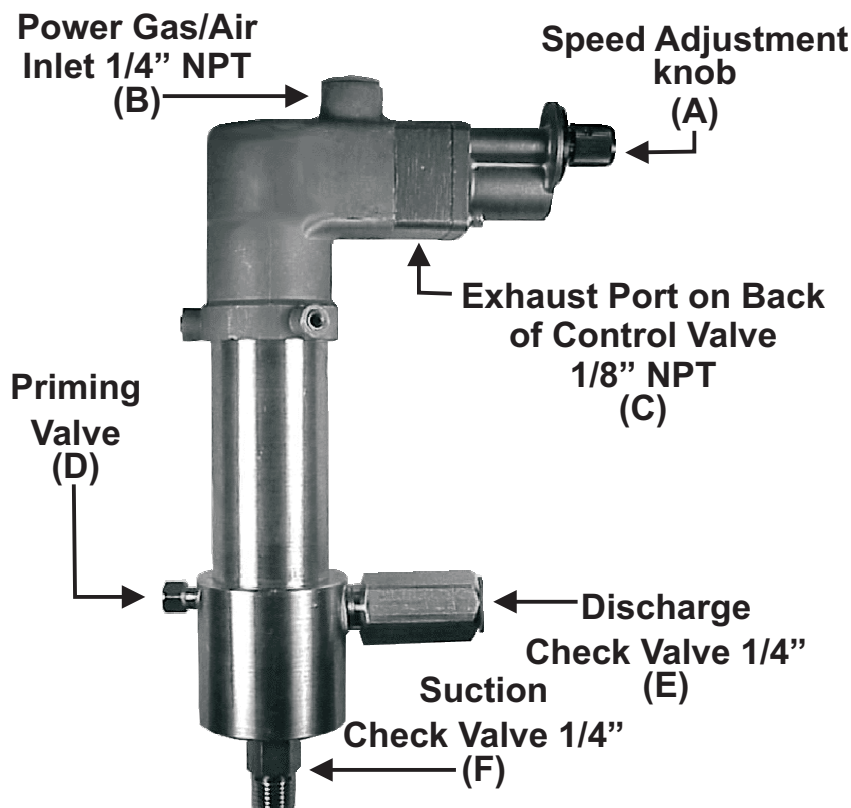
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1) Install pump in vertical position and connect 1/4" S.S. tubing to discharge check valve. For safety a 1/8" line check is recommended where the discharge line connects to tubing on discharge side of lubricator pump.

2) Connect 1/4" tubing to suction check valve (see "F" below). Make certain tubing is filled with oil by opening the priming valve located on the side of the plunger body (see "D" below). After the oil flows without bubbles close the priming valve. A suitable filter should be installed on the suction line to trap foreign matter that could possibly damage the pre-lube pump, check valves or divider block system.

3) Connect the air/gas supply line to the inlet located on the top of the power cylinder (see (B) below). Set Air or gas regulator to supply sufficient volume and pressure to firmly stroke pump. (Note: It is recommended to install a filter in gas/air supply line when trash is known to be in supply line. If supply volume is restricted due to trash or supply line is too small or too long, the pump control valve will blow through). Gas/Air supply pressure to pump: Min: 25 PSI - Max: 150 PSI.

4) Slowly rotate the speed adjustment knob located on the side of the pump (see "A" below) counter clockwise until the pump begins to operate. After pump begins to operate, full speed is obtained by turning the control knob 1 to 1½ turns counterclockwise. After full speed is accomplished (80 strokes per minute), if you continue to turn the speed adjustment knob counterclockwise the pump will begin stroking too quickly and stall unloading the gas/air supply from the exhaust port. If this happens reset the pump by turning the speed control knob clockwise until the exhaust closes and slowly open the control knob until desired speed of pump is accomplished. **Note: You cannot quickly open the speed adjustment knob several turns. To do so will cause the pump to stall and unload all supply gas/air out of the exhaust port.**



Specifications		
POWER PISTON DIA.	1.25"	2.25"
Model	4002-E	4202-E
Plunger Dia.	1/4"	1/4"
Fluid/Gas Ratio	25:1	80:1
Max. Discharge Pressure	3,750	10,000
Max. Strokes Per Minute	80	55
Output Volume Pints Per Day	240	140
Gas/Air Supply Pressure	Min: 25 PSI Max: 150 PSI	