**Read Instructions Before Installing**

**To Install:**

1. Obtain all available information from the system designer. This may include bill of materials, lubrication point locations, etc.

2. Mount the reservoir in the desired location. It should be:
   - Visible to the operator.
   - Easy to re-fill and service.

3. Mounting hole dimensions and clearances are shown on the inside of this instruction sheet.

4. Electrical Connections - consult a qualified electrician.
   - Always follow local electrical codes, safety regulations and procedures when installing an electrical system.
   - Wire the pump to the switched side of the machine disconnect so the two are energize simultaneously.
   - Wire per schematic on the inside of this instruction sheet.

5. Cycle and interval adjustment
   - Press the up or down arrow keys next to the lube cycle or time interval display for adjustment. Pressing the up arrow key will increase the time. Pressing the down arrow key will decrease the time. When adjusting time values, hold the arrow key in for two seconds. The yellow LED next to lube cycle or time interval will flash depending on arrow key being pressed.
   - When yellow LED light is flashing, press the arrow key to desired setting.
   - After releasing the arrow key, the yellow light will flash for approximately five seconds. During this time the value will be stored into the memory of the computer. Pump will then start lubrication cycle according to time value set.
   - Pressing the "RESTART" key will restart the lube cycle at the beginning of the time value set.

6. Pumps equipped with a low level switch. When the switch is activated it will shut down the motor to avoid damage to the pump and activate the alarm.

7. General installation practice is to mount the meter units at each lubrication point and interconnect them with tubing. Always point arrow on meter unit in direction of flow. Follow your system schematic. When connecting pipe threads apply a small amount of thread sealant to the external thread. If at all possible, the most distant lubrication point should be piped in an upward position from pump.

8. Piping is done with metal or plastic tubing. Take care to prevent dirt or contamination from entering into the piping. You may choose to leave a final fitting (near the meter unit) slightly loose to facilitate the initial bleeding of air and checking of oil delivery to each point. Failure to observe oil at a point requires tracing the system back towards the pump in search of a kink in a line, a loose fitting, or other problems.

9. Always use clean oil poured from a clean container. Do not mix oil types or change viscosity without consulting your machine manufacturer.

10. Clean the reservoir and filter elements periodically as dictated by the oil cleanliness. If in doubt, check for cleanliness at 3 months, and then 6 months. Determine service frequency based on what is found.

11. If contamination enters the system, disconnect lines and flush them out. Empty reservoir, clean filter elements and re-fill the system with clean lubricant.

---

**Selection Chart:**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Reservoir Capacity (liters)</th>
<th>Reservoir Material</th>
<th>Output</th>
<th>Interval Time between Cycles</th>
<th>Minimum Output (cc/hr)</th>
<th>Level Switch</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE-3003</td>
<td>3</td>
<td>Plastic</td>
<td></td>
<td>3.33 cc/sec. Variable delivery time of 1-180 sec.</td>
<td>3-999 min.</td>
<td>.2</td>
</tr>
<tr>
<td>PE-3006</td>
<td>6</td>
<td>Metal</td>
<td></td>
<td>4.17 cc/sec. Variable delivery time of 1-999 sec.</td>
<td>3-999 min.</td>
<td>.2</td>
</tr>
<tr>
<td>PE-3008</td>
<td>8</td>
<td>Metal</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PE-3020</td>
<td>20</td>
<td>Plastic</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PE-3203</td>
<td>3</td>
<td>Plastic</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PE-3206</td>
<td>6</td>
<td>Plastic</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PE-3208</td>
<td>8</td>
<td>Metal</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PE-3220</td>
<td>20</td>
<td>Metal</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Automatic Cyclic Pumps

PE-30 and PE-32 Series

Read Instructions Before Installing

Wiring:

1. Remove the cover over the display pad (fig. 1). Make sure the pump is facing the same direction as in the illustration.

2. Wire per schematic (fig. 2).

Specifications:

- Reservoir Capacity: 3 liter plastic 6, 8, and 20 liter steel
- Motor Voltage: 110v 50/60 standard 220v 50/60 optional
- Pump Type: Gear pump
- Maximum Pressure: PE-30 100psi PE-32 140psi
- Output Connection: 5/16-24 (f)
- Low Level Switch: Voltage: 12 VDC Output Capacity: 0.5 Amps

Dimensions: Dimensions in mm

PE-3003 and PE-3203

Model No. A B C D E
PE-3006 328 310 161 290 95
PE-3008 328 310 188 310 95
PE-3020 500 460 250 420 190

110V & 220V Control Board

fig. 1

fig. 2

Pressure switch shuts down pump if system pressure drops below set level.