



Read Instructions Before Installing

To Install:

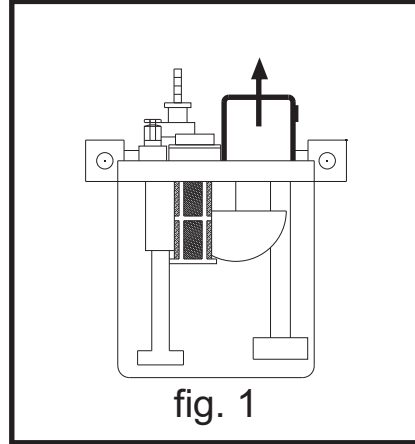
1. Obtain all available information from the system designer. This may include bill of materials, lubrication point locations, etc.
2. Automatic cyclic pumps operate on timed intervals. This interval may be factory set or adjustable depending on the pump model.
3. Mount the reservoir in the desired location. It should be:
 - A. Visible to the operator.
 - B. Easy to re-fill and service.
4. Mounting hole dimensions and clearances are shown on the inside of this instruction sheet.
5. Electrical Connections - consult a qualified electrician.
 - A. Always follow local electrical codes, safety regulations and procedures when installing an electrical system.
 - B. Wire the pump to the switched side of the machine disconnect so the two are energize simultaneously.
 - C. Wire per schematic on the inside of this instruction sheet..
6. Output Adjustment
 - A. Release locking nut using a hex wrench, just above the knurled section of the adjustment knob.
 - B. Using the knurled section turn the adjustment knob clockwise or counter-clockwise to the desired amount of flow. Fluid flow is indicated by the stamped number on the rod in cc/cycle.
 - C. Tighten locking nut at the desired flow amount.
 - D. To pre-fill the system set the output to its highest setting, cycle the pump until oil is observed at the most distant point. Re-check all fittings for tightness. Reset output to the desired level.
7. Pumps equipped with a low level switch can be wired to an audible alarm or control panel light to let operator know oil must be added to reservoir. Pump will continue to operate until it is out of oil.
8. 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.
9. 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.
10. Always use clean oil poured from a clean container. Do not mix oil types or change viscosity without consulting your machine manufacturer.
11. 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.
12. If contamination enters the system, disconnect lines and flush them out. Empty reservoir, clean filter elements and re-fill the system with clean lubricant.



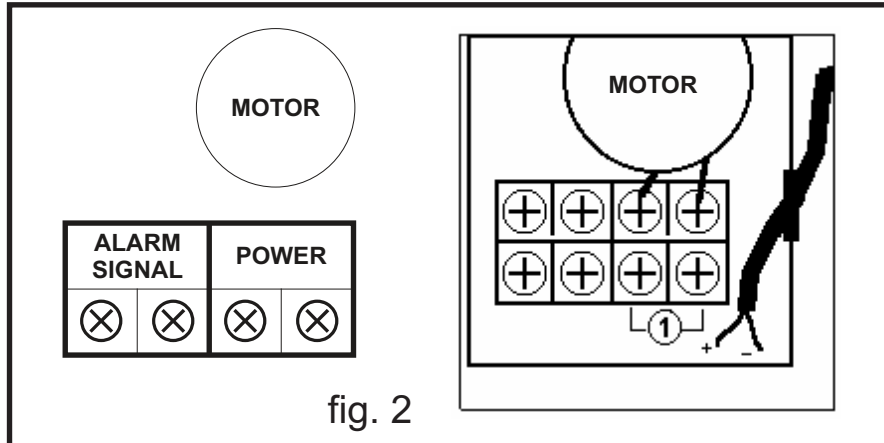
Automatic Cyclic Pumps PE-10 and PE-12 Series

Read Instructions Before Installing Wiring:

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

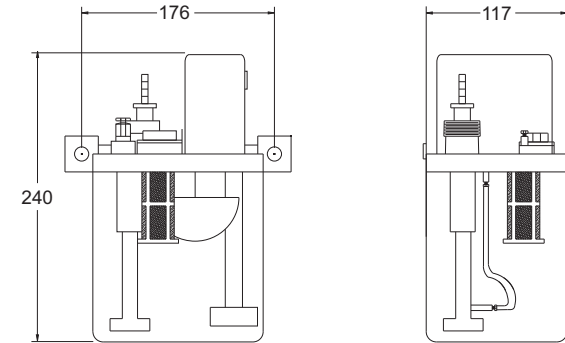


2. Wire per fig. 2



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Read Instructions Before Installing Dimensions: Dimensions in mm



Specifications:

Reservoir Capacity	2 liters
Motor Voltage	110v 50/60 standard 220v 50/60 optional
Pump Type	Spring discharge piston pump
Maximum Pressure	40 psi
Output Connection	5/16-24 (f)

Selection Chart:

Model No.	Output (cc/cycle)	Interval Time Between Cycles (min.)*	Minimum Output (cc/hour)	Maximum Output (cc/hour)	Low Level Switch
PE-1002-03	Adjustable 3-6	3	60	120	No
PE-1002-05		5	36	72	
PE-1002-10		10	18	36	
PE-1002-15		15	12	24	
PE-1002-30		30	6	12	
PE-1002-60		60	3	6	
PE-1202-03	Adjustable 3-6	3	60	120	Yes
PE-1202-05		5	36	72	
PE-1202-10		10	18	36	
PE-1202-15		15	12	24	
PE-1202-30		30	6	12	
PE-1202-60		60	3	6	

*Factory set. Not adjustable