



# SERFILCO

*This was received for special customer (on file) was not issued per spec - obsolete - 11/20/79/mrc*

O-230B  
Nov.1979

## OPERATING INSTRUCTIONS SPACE-SAVER ELECTROLESS UNITS

### PRE-START-UP

1. Install wire reinforced suction hose and nylon reinforced discharge hose.
2. Securely tighten all hose clamps.
3. Install proper motor starter (with overload protection) if not already included with assembly.
4. Remove plug on top of gauge guard.
5. Install vacuum gauge to top of gauge guard using care not to spill glycerin from the guard.

### PRIMING - Do not operate pump when dry.

1. Use Serfilco Hand-pump Primer or follow instructions 2 - 11.
2. Close valve #1 on the filter chamber.
3. Remove pipe cap from filter chamber cover.
4. Remove vent screw from side of gauge guard.
5. Open valve #2 and keep discharge hose out of the solution, but in the tank.
6. Insert funnel in the center hole of cover and fill with solution to be filtered until the liquid reaches valve #2, then close valve #2. Plug hole and fill chamber completely.
7. Replace pipe cap and vent screw.
8. While filling chamber, periodically open and close valve #1 to release air in hose to chamber.
9. Place gloved thumb over the end of hose to chamber, submerge in solution and remove thumb.
10. Start motor and slowly open both valves simultaneously.
11. If pump does not prime, repeat the above procedure, checking for air pockets in the inlet hose chamber and hose leading from the chamber to the pump.

**NOTE:** - If pump is operating properly, but there is still air in the chamber, remove air by closing both valves simultaneously and immediately turning off motor. Leave all hoses in solution, remove pipe cap and vent screw, insert funnel and completely fill chamber with liquid. Replace pipe cap and vent screw, start motor and slowly open both valves simultaneously.

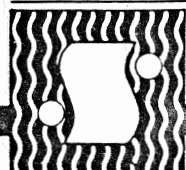
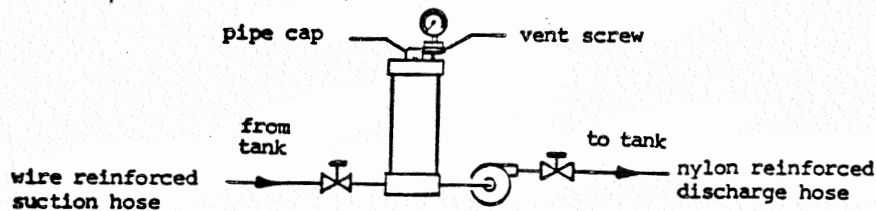
To hold prime while unit is not in operation, close both valves simultaneously and shut off motor. In order to begin operation again, complete step 10.

### OPERATION -

Pump is designed to provide maximum flow and pressure to water-like liquids of slightly higher specific gravity. Solutions having a high specific gravity and/or high temperature will effect pump performance (usually indicated by a brief initial pumping and then a complete cut-off of flow). In this event, the overall length of the impeller must be trimmed by lathe turning. Remove a maximum of 1/16" and recheck performance.

### FILTRATION TIPS

1. Collection of air in the filter chamber is an indication of air leaks on the suction side of the pump. Venting the chamber on these assemblies will not exhaust the air from the chamber, but will draw air into the chamber. To eliminate air from the chamber, retighten fittings and clamps and follow priming instructions.
2. Electroless solution will eventually deposit metal on all internal surfaces of the pump-filter system. Frequently inspect the pump body and impeller to be sure there is no metallic build up which will cause accelerated erosive wear of these items. Remove metal deposits by pumping or flushing with an acid.
3. Order a spare pump body and impeller assembly for your stock. It will avoid delays and production down time when replacement is necessary.
4. If pump is to be left idle, then flush with a neutralizing solution to prevent crystallization inside pump and filter.



# SERFILCO®

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