



MEGA-FLO[®] FILTRATION SYSTEMS

Refer to Bulletin F-304.

! SAFETY PRECAUTIONS BEFORE STARTING PUMP

1. Read operating instructions and instructions supplied with chemicals to be used.
2. Refer to a chemical resistance data chart for compatibility of materials in pump with solution to be used.
3. Note temperature and pressure limitations of all system components.
4. Personnel operating system should always wear suitable protective clothing: face mask or goggles, apron and gloves.
5. All piping must be supported and aligned independently of the system.
6. Always close valves slowly to avoid hydraulic shock.
7. Ensure that all fittings and connections are properly tightened.
8. Flush pump thoroughly with a neutralizing solution to prevent possible harm to personnel from previous use.
9. **! ⚡** To avoid electrical shock, never handle this equipment when wet or standing in water. When handling equipment for any reason, make sure power supply is disconnected. Refer to motor manufacturer operating instructions for proper wiring.
10. Do not grab unit by motor. During normal operation, motor becomes "hot to the touch".
11. Keep power supply cord out of contact with hot, sharp, highly corrosive and other potentially damaging objects and solutions.

BEFORE CHANGING APPLICATION OR PERFORMING MAINTENANCE

1. Wear protective clothing as described in item 4 above.
2. Flush system thoroughly with a neutralizing solution to prevent possible harm to personnel or equipment.
3. Verify compatibility of materials as stated in item 2 of Safety Precautions.

PRE-START-UP

1. Review accompanying pump motor operating instructions to assure proper start-up. Connect motor and/or motor starter to power source and check motor rotation as described in pump operating instruction case with liquid.
2. Never energize motor without flooding pump suction with liquid.
3. Re-secure all hardware holding filter assembly and base together. These fasteners may have loosened during shipment.

4. All piping must be aligned and supported independently of the system. Use siphon breakers in the suction line to the pump and in the filter discharge to the tank. This is a necessary precaution limiting the amount of liquid which may be lost by siphoning. An effective siphon breaker is a small hole drilled in the suction and discharge lines inside of the tank approximately 2-4" below normal solution level.

FILTER CARTRIDGE INSTALLATION/CHANGING

1. Make certain pump motor is de-energized and power is locked out.
2. Close suction and discharge piping valves.
3. Open chamber vent valve to release pressure from chamber.
4. Loosen T-handles on chamber cover.
5. Remove cover assembly.
6. Turning counterclockwise, remove the filter cartridge hold down caps.
7. The cross posts are threaded into the chamber base. Removal is not necessary when changing the cartridges. Grasp the end of the filter cartridge, and lift straight up to remove the chamber. Set aside for cleaning or disposal.
8. Insert new filter cartridges and replace the filter. Hold down caps making sure that the caps are firmly seated into the cartridges.
9. Replace cover assembly.
10. Tighten swing bolts in a diametrically opposed fashion till snug.
11. Open valves.
12. Make certain pump is primed.
13. Check all piping and fasteners. See "START-UP".

START-UP

1. Check power source for correct voltage and phase.
2. Verify correct pump rotation.
3. Make certain that all piping is properly supported and connected to the tank.
4. Prime pump according to pump operating instructions and energize motor.
5. Open air vent valve in cover to release air from filter chamber. Close vent valve when solution level rises to the top of chamber.
6. Check for leaks at pump, chamber and fittings.

! CAUTION: Liquid may squirt from vent valve. Vinyl hose is supplied to direct flow or mist from vent valve to bucket or tank.



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