




ADMIRAL 'EHJ' FILTRATION SYSTEMS

Refer to Bulletin F-508.

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.
4. Personnel operating pump should always wear suitable protective clothing: face mask or goggles, apron and gloves.
5. All piping must be supported and aligned independently of the pump.
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.
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.
3. Verify compatibility of materials as stated in item 2 of Safety Precautions.

INSTALLATION

Admiral 'EHJ' assembly must be completely supported at all four corners of the system mounting plate. Mounting plate must be secured by bolts in at least four places. Unless otherwise specified, system discharge is 1½" MNPT. Discharge connection to the system must be 1½" FNPT and all discharge piping must be supported independently of system discharge. Solution level must be maintained from 1" below the system mounting plate to 6" below the system mounting plate. Out-of-tank installations must have a 3/4" NPT fitting installed on the pump column weep hole


with piping or hose returning fumes and mist horizontally to the solution reservoir. Out-of-tank installations will require removal of the suction strainer and installation of a 2" MNPT pipe or 2" MNPT nipple to flange, union, elbow, foot valve, etc. Pump casing is plastic. Do not screw metal or dissimilar threads or casing will crack. Use Teflon tape and piping of the same material as your system. All suction piping must be supported independently of the system.

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 vent valve to release pressure from chamber.
4. Loosen T-handles on chamber cover.
5. Remove cover assembly.
6. Remove cartridge hold down caps by turning CCW.
7. Grasp top of filter cartridge and lift straight up to remove from chamber.
8. Insert new filter cartridges over cross posts.
9. Tighten cartridge hold down caps onto cross posts.
10. Replace cover assembly.
11. Locate four diametrically opposed swing bolts and begin tightening.
12. Locate remainder of swing bolts and tighten all in diametrically opposed fashion till snug.
13. Open valves.
14. Make certain pump is primed.
15. 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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