

Liquid Chemical Feed System

Installation Guide

Models: AQL-CHEM4-ACID and AQL-CHEM4-CHLOR



▲ WARNING – Read, follow and understand all instructions in this installation guide, in the owner's manual and on the equipment. Failure to follow instructions can cause severe injury and/or death.

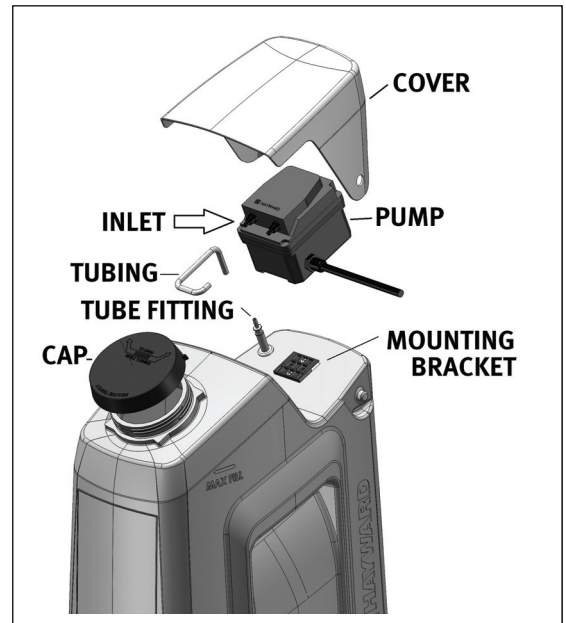
Installation:

This Liquid Chemical Feed System is designed to be used with a controller such as the Hayward AquaPlus®, AquaRite® Pro, Cat Controllers®, or HCC Controllers. It should be located within 10 feet of the 110 VAC signal supply and within 12 feet of the location on the return to pool piping. Included in the package is a check valve which **MUST** be installed on the return to pool line, downstream of all filters, heaters, and other equipment.

The Pump is not mounted when shipped. This is to prevent damage in shipping to the pump, mounting and or vessel.

To install the pump:

1. Open or remove the cover from the vessel.
2. Locate the heavy small box containing the pump in the main packaging. Open carefully as several parts are needed for the installation.
3. Remove the pump and check that the pump and cord are undamaged.
4. Locate the 6" long, blue 6mm tube, and remove it from the box.
5. Remove the compression nut on the inlet (left side of the pump the side opposite the cord.) Place the nut over the 6" tube, then the tube over the left (Inlet) port of the pump. Firmly hand tighten the nut.
6. Slide the pump onto its mounting bracket until it clicks. The tubing points toward the tank.
7. Connect the other end of the short tube to the adapter fitting by carefully pushing the open end over the fitting.
8. Close or reinstall the cover.



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To install the check valve:

1. Shut off the pool pump. Allow the water to drain from the return to pool line. (If this is a flooded suction application, the location for the tapped hole must be isolated with valving or you will get wet.)
2. Locate the desired spot for the liquid chemical feed line on the return to pool line.
3. Drill a 27/64" hole and tap with a 1/4"-18 NPT. Do not oversize the hole, or run the tap too deep.
4. Facing the threaded end of the fitting, begin wrapping the Tetrafluoroethylene (TFE) tape in a clockwise direction, starting on the second thread nearest the fitting end. Overlap each wrap by one-half the width of the TFE tape.
5. Carefully screw the check valve into the pipe, hand tight plus 1/2 turn maximum.

Run the 6mm tubing (13 feet of tubing is included) from the discharge of the pump to the check valve. Both ends are compression fittings. Loosen the nuts at each end. Slide the nuts over the tubing. Install the tubing over the short male nipple at each end. Firmly hand tighten the nuts.

Plug the 110 VAC cord into the controller. As long as there is power, the pump will run.



▲ DANGER Chemical Hazard: Mixing Chemicals or adding water to acid may result in explosion and/or fire. To avoid death, serious injury or major property damage, do not mix Chlorine tablets with Calcium Hypochlorite, or with any other form of concentrated chlorine or other chemicals. **ONLY** use the Chemical Feed System designed for the Chemical it is designed and labeled for.



▲ DANGER Chemical Hazard: Muriatic Acid and Chlorine (liquid and mist) can cause severe burns, may be fatal if swallowed or inhaled. Inhalation can cause severe lung damage. To avoid death or serious injury:

- Wear eye and skin protection while maintaining or servicing this unit.
- If inhaled move to area of fresh air and seek medical attention immediately.
- If swallowed contact local poison center or physician immediately. Give large amounts of milk or water.
- Wear chemical resistant clothing including chemically resistant gloves. If Skin contact occurs, wash with soap and water for at least 20 minutes. Remove contaminated clothing and shoes. Contaminated clothing should be cleaned before reuse.
- Use splash resistant safety goggles. If eye contact occurs, seek immediate medical attention. Flush eyes immediately with clean clear water for at least 20 minutes.
- Use in well ventilated area only.



▲ WARNING-Hazardous waste: Muriatic acid and Liquid Chlorine can cause corrosion, which can cause injury or property damage. To avoid, dispose of used liquids at an approved hazardous waste facility. Call your local fire department or hazardous materials team for significant spills.



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