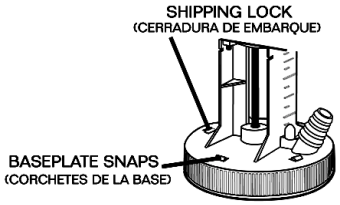
CONCENTRIC PUMP INSTALLATION INSTRUCTIONS

CAUTION:

- **DISCONNECT ELECTRICAL POWER TO COOLER BEFORE INSTALLING OR SERVICING PUMP.**
- **PUMP INSTALLATION MUST COMPLY WITH COOLER MANUFACTURER'S SPECIFICATIONS AND APPLICABLE ELECTRICAL AND BUILDING CODES. FOR SAFETY AGAINST ELECTRICAL SHOCK, COOLER CABINET, BLOWER MOTOR, PUMP AND SWITCHES MUST BE PROPERLY GROUNDED.**
- **DO NOT USE WITH COOLER WATER RESERVOIRS OVER 4 INCHES IN DEPTH.**
- **THIS IS NOT A SUBMERSIBLE PUMP.**

INSTALLING PUMP

1. **BEFORE INSTALLATION:**
   A. Remove packaging material around pump.
   B. Secure baseplate snaps if loosened during shipping. See figure.



2. Position pump at location specified by cooler manufacturer. Typically this is near the blower housing and away from the pads. The base of the pump must be flat on the cooler bottom.
3. A supplementary water filter is built into the pump base. In addition, a filter screen or basket should be placed around the pump base to prevent clogging of pump and water distribution system, especially when aspen pads are used.
4. Mount pump inside cooler using cooler manufacturer's bracket, or secure pump to blower housing with a pump mounting bracket. A “pump mounting screw” is provided on the top of the pump.
5. Securely attach pump hose to barbed pump outlet and to water distributor adapter at top of cooler with pump hose clamps.

   Note: Use 1/2 inch I.D. pump hose for 5,000 through 11,000 CFM pumps. Use 5/8 inch I.D. pump hose for 15,000 to 21,000 CFM pumps. Use 3/4 inch I.D. pump hose for 25,000 CFM pumps.
6. Connect pump to pump receptacle. For coolers without factory installed pump receptacles, connect leads to electrical source, including ground wire, in accordance with cooler manufacturer’s specification and all applicable electrical codes.

   Important: Pump must be electrically grounded for safety and for minimizing corrosion of cooler pan and pump.
7. Secure excess pump cord inside cooler to prevent cord from touching:
   A. Water in reservoir or on pads.
   B. Moving parts such as the blower wheel.
8. Fill water reservoir to depth recommended by the cooler manufacturer, usually between 2-1/4 and 3 inches (approximately 1/2 inch below the top of the overflow pipe). Adjust float valve to shut off at recommended water depth.
   Important: Reservoir depth must not exceed 4 inches.
9. If water overflows the pad frame water trough, install a pump hose clamp to restrict the flow of water

   Important: Excessive water overflow may cause water damage to cooler, air ducts or interior walls.

MAINTENANCE

Disconnect Power to Cooler and Unplug Cooler Pump

1. Rotate pump shaft by hand before the start of each season to free up motor rotor.
2. Remove bottom baseplate to clean pump cavity when clogged.
   Note: Where applicable, remove shipping lock from body prior to removing baseplate. Follow sequence numbers on bottom of baseplate to reattach to body.
3. Clean pump filter when clogged.
4. Discontinue use of pump when motor stops and starts due to over-heating. If pump does not operate, inspect for faulty cooler switch, thermostat or for faulty wiring.
5. To winterize cooler pump, remove from cooler and store in dry place.

LIMITED WARRANTY

1. Pump is warranted under normal use and recommended maintenance for **one year** from date of sale to user. In event of defect or failure, replacement is made through your authorized dealer or retailer.
2. Reason for replacement, purchase date, failure date, and sales receipt **must** accompany pump returned for replacement.
3. Warranty is void if pump has been abused, altered, water damaged or improperly installed.
4. We do not pay the cost of a service call at the site of installation to diagnose cause of trouble, or the cost of labor, or transportation to replace a defective pump.
5. We are not responsible for any incidental or consequential damage resulting from any malfunction unless required to do so by state law.

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