# OFFSET 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 Fig. A)

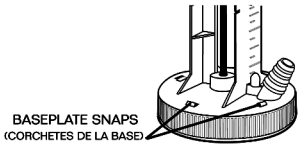



Fig. A (Figura A)

2. Position pump at location specified by cooler manufacturer. Typically this will be near the blower housing and away from the pads. The base of the pump must be flat on the cooler bottom.
3. Install a filter screen or basket 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. **Note:** For Champion cooler installations, the bracket's mounting clip must be installed onto the **underside** of the bracket instead of the top side. (See Fig. B).

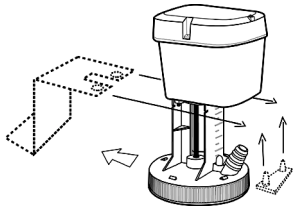


Fig B. (Figura B)

5. Securely attach standard 1/2 inch I.D. pump hose to barbed pump outlet and to water distributor adapter at top of cooler with pump hose clamps.
6. Connect pump cord to electrical source. If pump cord has a plug, simply plug into pump receptacle. If pump cord has no plug, connect leads to electrical source, in accordance with cooler manufacturer's specifications 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, and 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. Pump body is marked to help measure 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.

### PUMP MAINTENANCE

**Disconnect Power to Cooler and Unplug Cooler Pump**

1. Rotate pump shaft by hand before the start of each season to loosen motor rotor.
2. Clean pump cavity when clogged by removing bottom of baseplate. Do not use screwdriver to remove baseplate snaps. Reattach baseplate by following sequence numbers on baseplate bottom.
3. Clean pump filter when clogged.
4. Discontinue use of pump when motor stops and starts due to overheating. 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. Do not winterize cooler using a "plastic" cooler cover.

### LIMITED WARRANTY

1. Pump is warranted under normal use and recommended maintenance for **90 days** 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, improperly installed or stored in a cooler winterized with a "plastic" cooler cover.
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.

© Copyright 2002 Dial Manufacturing, Inc.