

# POWER-CLEAN®

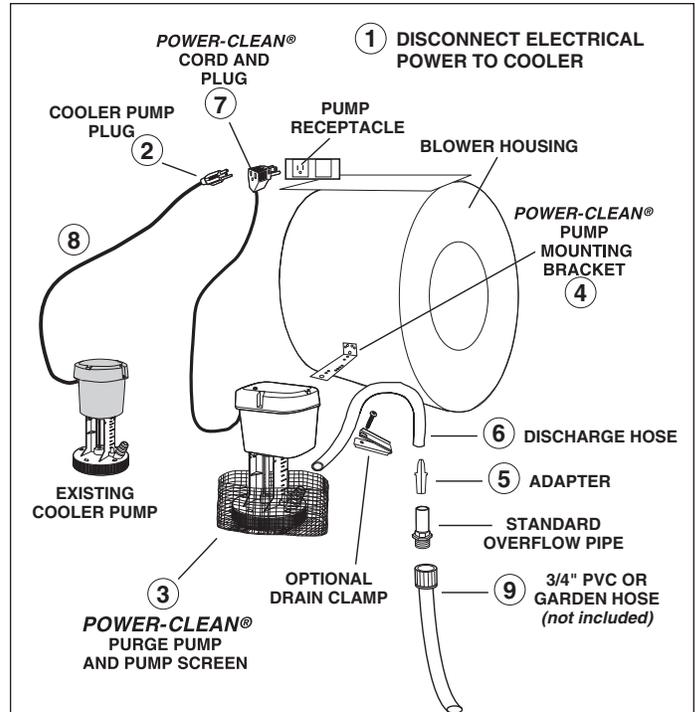
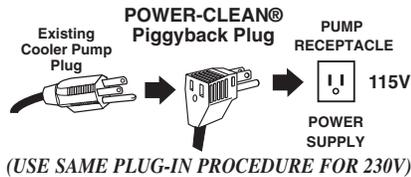
## Installation and Operating Instructions

### CAUTION:

- Disconnect electrical power to cooler before installing your Power-Clean® system or servicing cooler.
- Installation must comply with cooler manufacturer's specifications and all applicable building and electrical codes. For safety against electrical shock, cooler cabinet, blower motor, pump(s) and switch(es) must all be properly grounded.

### INSTALLATION PROCEDURE:

1. **Disconnect Electricity To Evaporative Cooler.**
2. **Unplug Existing Cooler Pump.**
3. **Place Pump Screen Onto Power-Clean® Pump.**
4. **Mount Power-Clean® Pump Inside Cooler.** Secure pump to blower housing with mounting bracket.
5. **Install Hose Adapter Into Overflow Pipe.** Place proper end of hose adapter into overflow pipe. See markings on hose adapter.
6. **Attach 1/2" Hose From Power-Clean® Pump To Hose Adapter.** Securely attach hose onto pump. Connect other end of hose onto hose adapter. Avoid kinking hose — cut hose if deemed necessary.
7. **Plug In Power-Clean® Pump.** Note the specially integrated plug and receptacle on the Power-Clean® pump cordset.
8. **Reconnect Existing Cooler Pump** into the special Power-Clean® pump receptacle.
9. **Connect Piping To Remove Cooler Water.** Do not allow cooler water to run onto roof. Connect garden hose, or 3/4" PVC piping from underside of cooler drain to an appropriate drain site on the ground. Use of 45 degree elbows instead of 90 degree elbows is recommended. This will prevent unsightly roof stains as well as potentially damaging effects to roof shingles.
10. **Reconnect Electricity To Evaporative Cooler.**



### CONTENTS:

- 1 Power-Clean® Purge Pump
- 1 Mounting Bracket
- 1 Pump Screen
- 1 Pump Hose (1/2" I.D., 30 inches long)
- 1 Hose Adapter (Purge Pump Hose to Overflow Pipe)

### Note for Tucson, Arizona Area Installations:

Certain building/electrical codes require the use of a "P-26 Fuse Box," such as the G.E. Model No. T-U261F rainproof power outlet fuse box, when wiring a cooler.

When using this fuse box, a fuse rated at 1.6 Amp might be required for proper operation of the Power-Clean® system vs. the smaller 1.25 Amp fuse. These fuses are a type S time delay and must be used ahead of the cooler pump and PowerClean® system.

extending the time required to drain the water reservoir) and minimize any pad "dry-out" spots that might develop.

### LIMITED WARRANTY:

1. Power-Clean® Purge Pump is warranted under normal use and recommended maintenance for 2 years 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, 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.

### OPERATING:

Your Power-Clean® system automatically removes the water in your cooler once every 8 hours that the cooler pad pump is "ON." This periodic draining replaces the "hard" water that naturally develops in the cooler with clean, fresh water in a consistent manner. The result is decreased scale build-up, longer pad life, less cooler maintenance and lower water usage (compared to a standard bleed-off system).

### IMPORTANT:

1. Power-Clean® drains the water depth to less than 1/2 inch.
2. Use of a low draw or low operating level pad pump is highly recommended to avoid developing dry pads during the draining cycle. (Use Dial PowerCool™, Dial Contractor™ and Dial HomeCool™ pumps.)
3. During the Power-Clean® draining cycle, both purge and pad pumps are "on."
4. If the Power-Clean® pump drains the cooler reservoir too fast, the drain time can be extended by installing a pump hose clamp (Dial PN 9282 or PN 9287) to the Power-Clean® pump hose. This will decrease the water discharge rate (thus