

# **WARNING EVAPORATIVE COOLER**

Any piece of equipment can be dangerous if not operated properly. **YOU** are responsible for the safe operation of this equipment. The operator must carefully read and follow any warnings, safety signs and instructions provided with or located on the equipment. Do not remove, defeat, deface or render inoperable any of the safety devices or warnings on this equipment. If any safety devices or warnings have been removed, defeated, defaced or rendered inoperable, **DO NOT USE THIS EQUIPMENT!!!**

 **WARNING:** This product may expose you to chemicals, including lead and phthalates, which are known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information, go to [www.P65warnings.ca.gov](http://www.P65warnings.ca.gov)

## **Attention: Always Keep Unit Upright**

Evaporative cooling works on the principle of heat absorption by moisture evaporation. Simply put, heat is removed from the air as water evaporates. You feel this principle in action when you step out of a swimming pool or shower and feel cool as water evaporates from the surface of your skin. This evaporative cooler works on the same principle. The fan pulls hot outside air through the wet cooling pads, where the air is cooled by evaporation and then discharged from the cooler.

## **IMPORTANT SAFETY RULES TO FOLLOW**

1. Read and follow all instruction, caution, and warnings. Failure to do so could result in personal injury, death, or property damage.
2. Unit must be in the OFF position and UNPLUGGED from receptacle before performing any maintenance.
3. Make sure the electrical power source conforms to the requirement of the evaporative cooler(s) as well as local codes. The power requirement for the PC-31 is 115v, 2.8 amps.
4. To reduce the risk of fire or electrical shock, do not expose electrical connections to water.
5. Do not touch electrically live components.
6. Adequate ventilation is required. When used in enclosed spaces, it is recommended to open a door or window to draw fresh air in.
7. Assure that all power cords do not come in contact with any sharp edges, hot surfaces or chemicals. Immediately replace any damaged parts.

## **OPERATING YOUR COOLER**

Always operate the cooler in an upright position. If the unit has been stored or transported in a horizontal position, set it upright (vertical) for at least 30 minutes before operating it. When the unit is placed in a horizontal position, oil from the compressor flows into the refrigerant coils reducing the ability of the dehumidifier to function.

## **OPERATING INSTRUCTIONS**

The PC-31 is pre-assembled and ready to operate. Lock the 2 locking wheels before filling and turning on the fan to keep the cooler from moving from the air velocity.

### **Filling Cooler or Connecting to Water Supply**

Move the cooler to an area where it can be filled.

#### **Manual fill method:**

The cooler can be filled via the front fill door by hose or bucket. Using the water fill indicator to monitor water level. Simply depress the fill door and the spring lock will release and open it. To close, simply push it closed and locked.

**Auto fill method:**

Connect to a water supply using a garden hose. Simply attach hose to the adaptor already attached to the float valve protruding from the cooler. Verify watertight connections by visually examining the hose connection for leaks.

**CAUTION:** Water inlet pressure should be limited to a maximum of 50 PSI. If valve is overcome, install a pressure reducer (25 PSI) before use. Hose bib needs only be opened slightly to supply water to float valve and the cooler only needs to be about half filled when in auto fill configuration. The float is already set to that level.

**Connection to a power supply**

Plug the cooler into any 115-volt power supply. It is permissible to use an extension cord when needed. If there is no power to the unit, reset the GFCI on the plug.

**USING THE CONTROL SWITCHES**

**Swing Button** – Press to operate oscillation motor to swing the air left to right.

**Timer Button Lit when engaged** – Press to select the desired timer selection, cooler will stop running all features when selected time expires.

**Pump Button** – Pump will function continually when this light is lit.

**Fan Button** – Fan: Low / Medium / High

**Power Button** – If Green light, all functions will be able to operate. Red light, all control functions will be off. Main power control. When the power is turned to the “OFF” position, the other controls will not work.

**KEY OPERATIONAL POINTS**

1. The cooler must be positioned in front of an open window or door if it is to operate effectively.
2. Always ensure that there is another open window or door through which the air can exhaust from the room.
3. Ensure this filter is kept clean throughout use.
4. At the end of each day run the cooler on FAN ONLY for 30 minutes to dry out the filter.

**Location! Location! Location!**

Position the unit with its back to an open window or door. This will allow fresh air to be drawn through the cooler and exhausted from the room. Constant air change is essential and part of the fresh air benefit from evaporative air cooling.

This cooler is equipped with an automatic shut off feature for the pump if the unit runs out of water.

**DRAINING THE WATER TANK**

Unscrew the drain cap from the drain assembly to drain water from holding tank. This cap is located on the bottom at the back of the unit. You may tip the unit carefully to the drain side to help drain all the water out before returning the unit to the rental center.

If the person receiving this handout will not be the user of the equipment, forward these instructions to the operator. If there is any doubt as to the operation or safety of the equipment,

**DO NOT USE!!! CALL A TOOL SHED IMMEDIATELY!!! FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN INJURY OR DEATH**