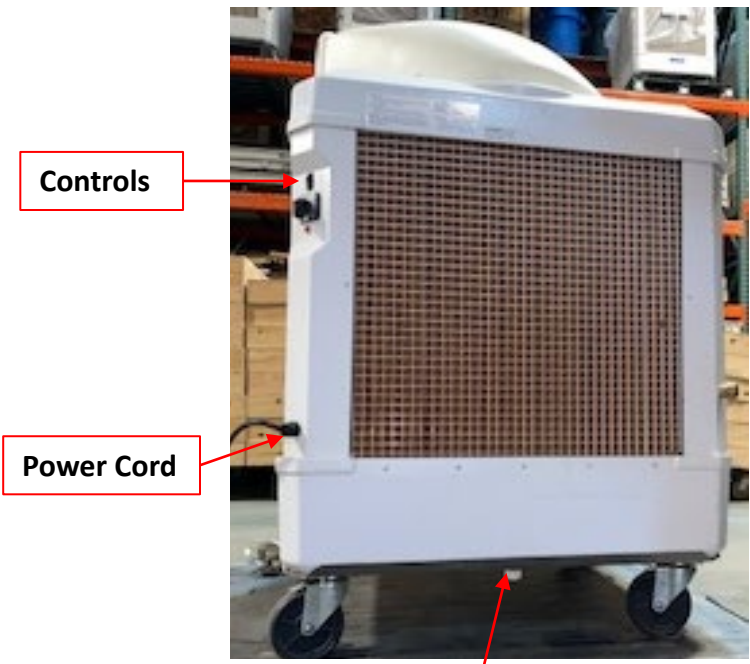
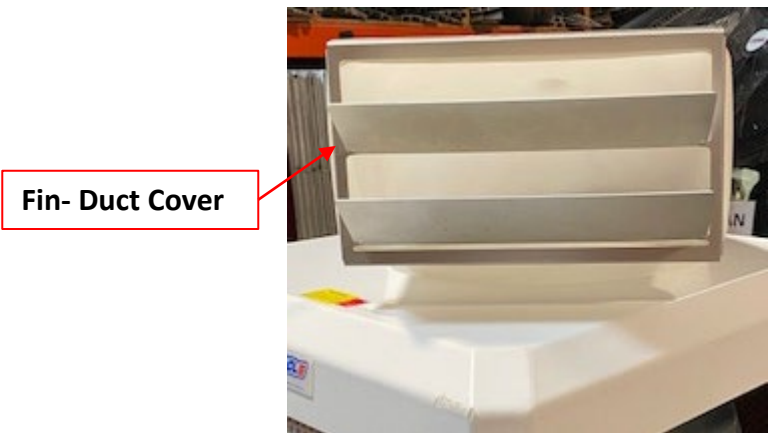
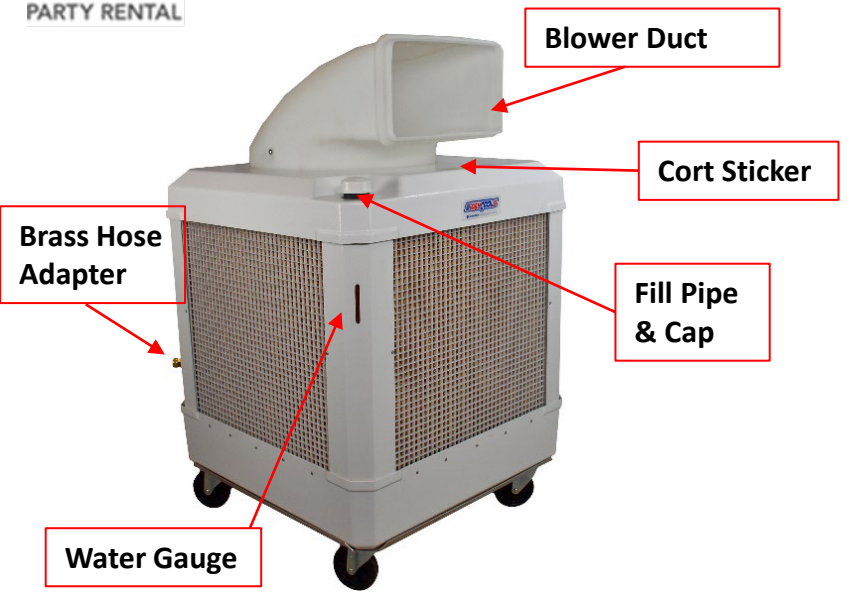




Waycool Evaporative Cooler

WayCool Portable Evaporative Coolers use the natural cooling process of evaporating water to reduce temperatures up to 30°F. WayCool blows cooled air in a focused narrow stream at high velocities long distances to provide greater cooling for employees, customers, guests, equipment indoors and outdoors!



Waycool Evaporative Cooler

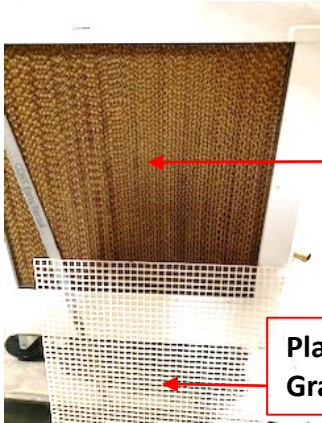
Specifications



Automatic SHUT OFF Float Valve



Water Filter

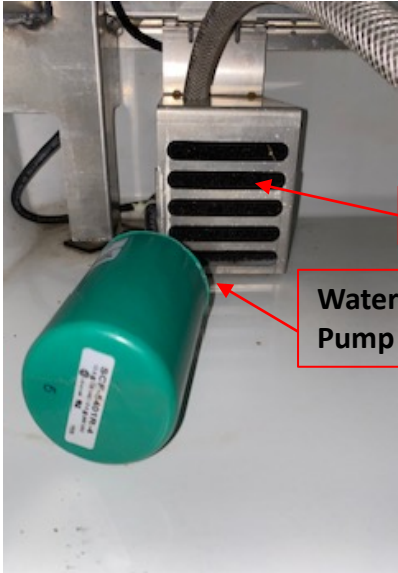


Cooling Pads

Plastic Retaining Grate



Oscillator Assembly



Foam Filter

Water Pump

Waycool Evaporative Cooler

Specifications

- Oscillating outlet for greater coverage up to 4,700 square feet
- Approximately 75% lower energy consumption and 50% less expensive than the equivalent capacity portable air conditioner
- Automatic low water levels shut-off to prevent pump damage
- Built-in water reservoir for standalone use or connect to garden hose for continuous use
- Specially treated cellulose evaporative pads for extensive pad life
- 1 hp dimensions: Base 33" x 33" x 52" tall; 24 gallon reservoir
- 4 to 6 hours on tank without garden hose on. Do not run dry!
- Blower - Double-Inlet Centrifugal
- Motor - 1 HP, 115V, 60 HZ
- Pump - Submersible pump, Vane Type, 280 GPH (Gallons Per Hour)
- Pump Filter - Washable Polyethylene Filter
- Pump Discharge Filter - 480 Micron Stainless Steel
- Reservoir Capacity - 24 Gallons
- Optional Water Supply - Standard 3/4" hose connection (garden hose size)
- Housing - High impact ABS plastic w/UV protection
- Evaporation Media - Chemically treated cellulose paper

CORT DELIVER ONLY, NO CUSTOMER PICK UPS

Kit Header

Optional Component Pieces

Line	Key	Name	Status
1	FANWAYCOOL-1	Fan, Waycool Evaporative Cooler	Reserved OK
2	GARDENHOSE50-	Garden Hose, 50'	Reserved OK
3	060-0112-1	Ext. Cord, White 50' Triple Tap 12 Gauge	Reserved OK

Note: Water weighs about eight pounds per gallon, so when the unit is full, it weighs over 375 pounds.

For optimal performance plug directly into outlet. The standard unit requires 120 volts and 15 amps of power.



Waycool Evaporative Cooler

Transportation & Assembly

Delivery and Cort Set Up Only

- Upon Pick up:**
- Make sure water supply is shut off.
 - Disconnect garden hose if one is attached.
 - In order to move unit safely drain water from unit. If indoors use bucket to drain enough water in order to move unit outside to complete draining.
 - Cover with a protective transport blanket, do not over tighten ratchet straps to prevent damage to unit.
 - DO NOT place ratchet straps on Blower Duct.
 - Offload in cooking return area for cleaning and servicing.

Transporting & Handling:

- Cover with protective transport blanket, do not over tighten ratchet straps to prevent damage to the unit.
- Do NOT place ratchet straps on Blower Duct.
- Do not prefill with water.
- Use two team members to on load/offload unit.

Upon Delivery:

- Place the unit in the position where it will be run. Do not attempt to lift or move the unit once it is filled. Damage to the unit or a large spill may occur. If needing to move once filled, drain water if on uneven floor. **SEE PLACEMENT NOTES ON PG. 5**
- Check to ensure the drain cap is in place and secure. Drain cap is located on underside of unit in between the side with controls and the side with the brass fill connector.
- If using garden hose, connect the garden hose to the brass fill connector. Check that there is a washer in the hose connection's female end.
- Allow the unit to fill and check that the float valve completely shuts off the water.
- If not connecting garden hose and manually filling, use a bucket or a garden hose to add water to the fill pipe and visually monitor the filling operation to avoid overflowing and causing spill damage.
- Plug the unit into an outlet.
- Adjust the blower duct to discharge the cool air in the desired direction if not using oscillating function ***If needing to adjust blower duct DO NOT manually turn duct, use the oscillating toggle to reposition blower duct.**
- Turn the switch to the "Pump Only" position and let it run for 5 - 10 minutes to saturate the cooling pads. Check that the pads are saturated completely and there are no dry spots.
- Turn the switch to the "High Cool" or the "Low Cool" position to begin normal cooling operation. If using the oscillating function turn on using oscillating toggle.

Fill Pipe & Cap

Plastic Retaining Grates (one per side)

Water Gauge

Cooling Pads *Behind retaining grates(2 per side)

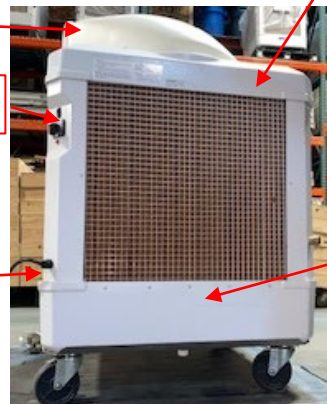
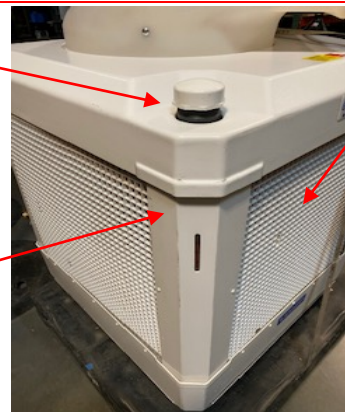
Blower Duct

Controls

Brass Fill Connector

Power Cord

Drain/Drain Cap



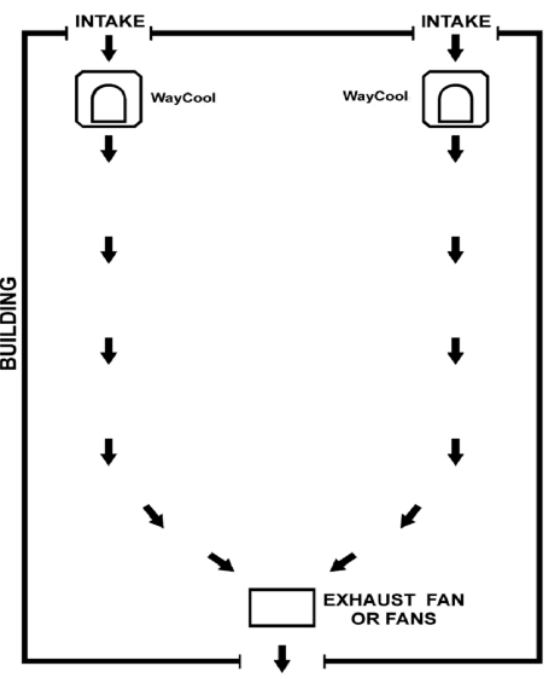


Waycool Evaporative Cooler

Placement

Note: Water weighs about eight pounds per gallon, so when the unit is full, it weighs over 375 pounds.

- Placement:**
- When you decide where to place the unit, make sure there are no obstructions in the way that will disrupt or block the airflow. Make sure the unit is level at all times. Keep the unit at least three feet away from walls or other obstructions that will interfere with airflow into the unit.
 - Do not try to push unit over rough or soft ground as you can overstress the wheels and frame and cause structural and component damage.
- *If being used in an enclosed space or building**
- Unit(s) should be placed at one end of the building and an appropriate exhaust fan should be at the opposite end to pull the cool air from the WayCool® unit and discharge the warm air out of the building.
 - Do not direct other fans against the WayCool unit. It will counter the WayCool's airflow and stop the cooling effect.
 - Obstructing the airflow from the WayCool unit severely reduces the cooling effect.
 - Avoid using ceiling fans as they disrupt the airflow from the WayCool unit.



It is important the cooled space has sufficient air openings so the warmer air can flow out and be replaced by the cooled air. A closed-in space or high humidity will reduce the cooling effect.



PARTY RENTAL

Waycool Evaporative Cooler

Cleaning

CAUTION - ALWAYS TURN OFF AT SWITCH AND DISCONNECT POWER BEFORE REMOVING EVAPORATIVE COOLING PADS FOR CLEANING OR INTERNAL MAINTENANCE

Cooling pads must be dry prior to handling. If they are wet, run the unit in the HIGH VENT position until they are dry. After cleaning, let the pads air dry before you replace them.

If the unit will be stored for the season, ensure the cooling pads are completely dry. Remove and wrap them in plastic bags or store them in a clean place where they will not be damaged or get dirty. The unit should be cleaned thoroughly before storing.

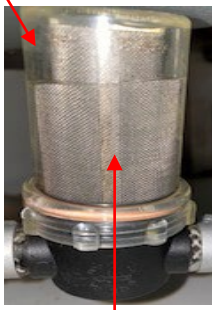
Clean after each use, unit also acts as an air filter

- To Clean:**
1. Make sure the switch is turned in the "OFF" position and the unit is unplugged.
 2. Remove the plastic retaining grates and check the pads. Clean by spraying with a garden hose, water only.
 3. Remove the cooling pads to clean the inside of the unit. Dirty cooling pads reduce the unit's effectiveness. **SEE INSTRUCTIONS**
 4. Use a garden hose to rinse out the bottom and the inside of the unit. The dirt that accumulates is removed from the air during operation.
 5. Remove the drain cap from the underside of the unit and let the unit drain completely. Rinse out any remaining dirt.
 6. Replace the drain cap (finger tighten only).
 7. Remove the pump discharge filter(**Water Filter**) by unscrewing the plastic casing, remove the screen and rinse it with a hose or under a tap. Replace the filter screen and screw the casing back on.
 8. Remove the pump foam filter from underneath the pump. Wash thoroughly with a hose. Compress filter and place back under the pump.
 9. Replace the cooling pads once they are dry reinstall the plastic retaining grates.
 10. Cover unit with plastic bag and store.



Removing Cooling Pads
Place a putty knife or large flat-blade screwdriver under the pad to lift it up, then outward. Once one pad is removed place one hand on the pad's inside, your other hand on the outside and lift the pad up and out from the bottom.

Plastic Casing



Water Filter Screen



Foam Filter

Water Pump

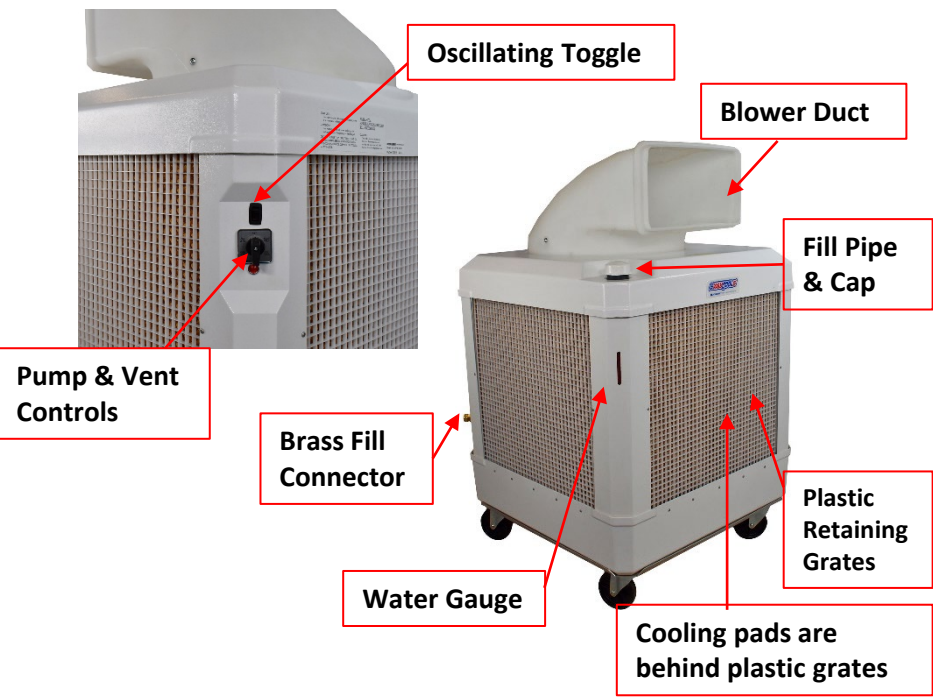


Waycool Evaporative Cooler

Operation

- To Operate:**
1. Place the unit in the position where it will be run. Do not attempt to lift or move the unit once it is filled. Damage to the unit or a large spill may occur.
 2. Check to ensure the drain cap is in place and secure. The drain cap is located on underside of unit in between the controls and fill connector.
 3. If using garden hose, connect the garden hose to the brass fill connector. Check that there is a washer in the hose connection's female end.
 4. Allow the unit to fill and check that the float valve completely shuts off the water.
 5. If not connecting garden hose and manually filling, use a bucket or a garden hose to add water to fill pipe and visually monitor the filling operation to avoid overflowing and causing spill damage. Make sure to check water level frequently so it does not run dry.
 6. Plug the unit into an outlet.
 7. Adjust the blower duct to discharge the cool air in the desired direction if not using oscillating function ***If needing to adjust blower duct DO NOT manually turn duct, use the oscillating toggle to reposition duct.**
 8. Turn the switch to the "Pump Only" position and let it run for 5 - 10 minutes to saturate the cooling pads. Check that the pads are saturated completely and there are no dry spots.
 9. Turn the switch to the "High Cool" or the "Low Cool" position to begin normal cooling operation. If using oscillating function, turn on using the oscillating toggle.

- To Turn off:**
1. Turn the switch to the "High Vent" position, and let the unit run until the cooling pads are dry. This will maximize the life of the pads.
 2. Turn the switch to the "OFF" position. Unplug the unit when no longer in use.
 3. Shut off the water supply.



CAUTION: Do not run the pump without water in the bottom of unit or damage may occur to the pump.



Waycool Evaporative Cooler

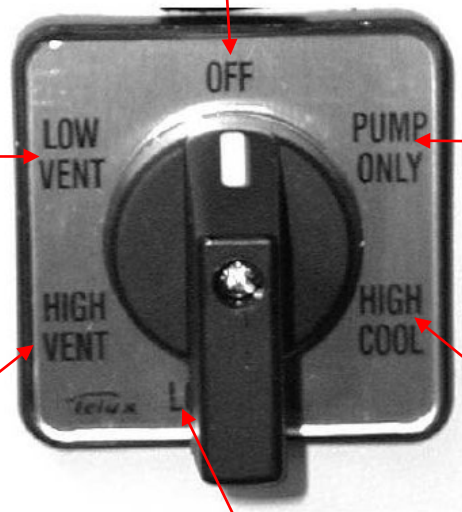
Controls

OFF - Power is off to the blower motor and the pump motor.

LOW VENT - The blower runs at low speed and the pump is OFF.

PUMP ONLY - Pump is on and the blower is OFF. Use this setting during startup to first saturate the cooling pads, then switch to LOW COOL or HIGH COOL to begin cooling

HIGH VENT - The blower runs at high speed and the pump is OFF. Use this setting to quickly dry the cooling pads for removal and cleaning.



LOW COOL - The blower runs at low speed and the pump is on. Use this setting for low cooling loads.

HIGH COOL - The blower runs at high speed and the pump is on. Use this setting for maximum cooling.

Waycool Evaporative Cooler

Troubleshooting

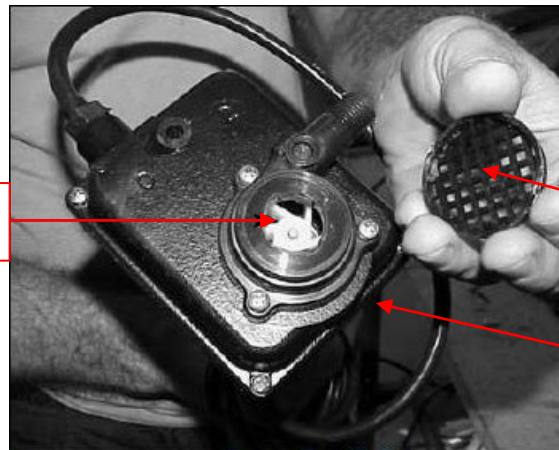
COOLING PADS NOT WETTING

1. Ensure that the bottom of unit has water.
2. Ensure that the main control is switched to the "Pump Only" function.
3. Ensure that the pump is running.
4. Pump is running but no water:
 - a. Ensure hose is connected.
 - b. Inspect and clean the pump discharge filter.
 - c. Inspect and clean the pump intake filter.
 - d. Ensure the impeller on the inside of the pump turns freely – see picture below to locate impeller
5. **Pump** is not running:
 - a. A certified electrician must check wiring from pump to pump selector switch.
 - b. If the wiring is correct, replace the pump

FOAMING

- Foaming is generally caused by a dirty water supply or contaminated water in the bottom.
1. If foaming occurs, stop the unit, drain it and flush the bottom and insides thoroughly with clean water.
 2. Clean the pads and do not use any kind of chemical cleaners. Refer to the "Regular Cleaning" section for proper procedure for cleaning the pads.
 3. Reassemble, refill and restart

Pump Impeller



Plastic Screen

Pump

Waycool Evaporative Cooler

Troubleshooting

LINE CLOGS/OBSTRUCTIONS (Little or no water flow) OR SPLATTERING

Depending on the cleanliness of the water and the amount of dirt, dust, etc. in the supply air, you may have to clean the PVC pipes from time to time.

1. Turn off the unit and unplug it.
2. Remove the plastic knob from the threaded rod in the blower duct.
3. Remove the blower duct and set it aside.
4. Remove the two screws that hold on the unit's top cover.
5. Remove the top cover and set it aside.
6. Locate the four PVC pipes in the top metal channel. Each PVC pipe is secured to the "Y" connector by a single screw. Remove this screw from all four PVC pipes.
7. Grip the opposite end of each PVC pipe with pliers and gently twist it out of its "Y" connector.
8. Remove the plastic mesh socks from the PVC pipes and clean them in warm, soapy water.
9. Direct a jet of water at the series of outlet holes in the PVC pipes to blow them clear.
10. Direct the water nozzle into the end of each pipe and blow them clear. Inspect them for cleanliness and repeat if necessary.
11. Reinstall the socks over the PVC pipes taking care not to bunch them.
12. Replace the PVC pipes taking care to ensure the water outlet holes are facing inwards at 90°. There is a mark on the PVC pipe that indicates the position of the holes.

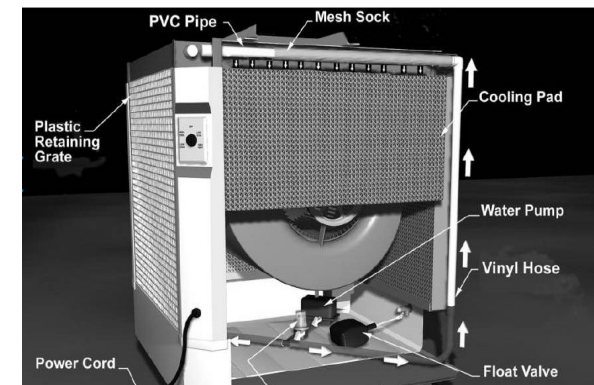
Note: Ensure you push the PVC pipes fully into the "Y" connectors so the retaining screws go through the connector and the pipe to hold them in.

ODOR CONTROL, LIME OR SCALE BUILDUP

Ensure water source is of good quality and regular maintenance is being conducted. Use recommended Waycool cleaner or other Cort approved cleaner.

LEAKING

Check for cracks on the bottom. If a crack is found, repair it by using a repair kit or replacing bottom.

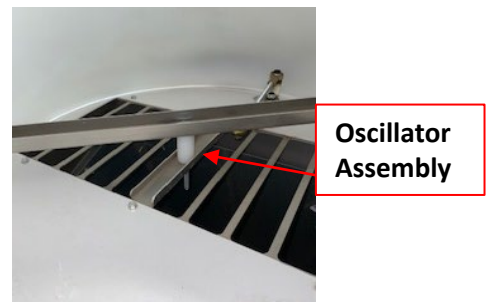




Waycool Evaporative Cooler

Troubleshooting

WARNING If the top of the unit is removed for troubleshooting or for any other reason, the wires from the gear motor to the oscillator switch must first be disconnected. This is done by removing the two female disconnects that are attached to the back of the oscillator switch.



UNIT DOES NOT OSCILLATE

1. Ensure that the unit is plugged into a standard 120-Volt outlet.
2. Ensure that the oscillator switch is in the "ON" position.
3. Ensure that the gear motor is running. To do this, shut off the whole unit by turning the main switch to the "OFF" position and leave the oscillator toggle in the "ON" position. You should then be able to hear the gear motor.
4. If the motor is running:
 - The blower duct may be fastened too tight against the top of the WayCool®. The nut above the brace should be loosened allowing 1/16" clearance between the bottom of the blower duct and the top of the WayCool®.
 - If the blower duct is not too tight, the linkage may be damaged. Look for visible damage to the linkage rod or the lever. If any of the linkage parts are damaged, they will need to be replaced.
5. If the motor is not running, the motor may have failed or there could be a wiring problem, contact a certified electrician. If the motor is determined to have failed, it must be replaced.

IF SPOUT APPEARS TO JUMP WHILE OSCILLATING

1. The spout may be fastened too tight against the top of the WayCool. The nut above the brace should be loosened to allow 1/16" clearance between the bottom of the spout and the top of the WayCool.
2. If the spout is not too tight, the linkage may be damaged. Look for visible damage to the linkage rod or the lever. If any of the linkage parts are damaged, they will need to be replaced.

IF UNIT MAKES EXCESSIVE NOISE

1. The spout may be fastened too tight against the top of the WayCool. The nut above the brace should be loosened to allow 1/16" clearance between the bottom of the spout and the top of the WayCool.
2. If the spout is not too tight, the linkage may be damaged. Look for visible damage to the linkage rod or the lever. If any of the linkage parts are damaged, they will need to be replaced.
3. A motor bearing may have failed. If the noise is determined to be coming from the motor, the bearing may have failed and the motor may need to be replaced.

IF SPOUT LIFTS UP OUT OF RECESS IN TOP OF UNIT

1. The spout may be too loose. There should be approximately 1/16" clearance between the blower duct and the top of the WayCool®.
2. The linkage may be damaged. Look for visible damage to the linkage rod or the lever. If any of the linkage parts are damaged, they will need to be replaced.

Waycool Evaporative Cooler

Safety

This is an electric device with moving components. There is the possibility of fire, electric shock, or injury to persons. Ensure all the safety recommendations are adhered to in order to minimize this risk.

- Disconnect all power and unplug the unit before you inspect, clean or perform maintenance on the components of the unit.
- Never reach into the unit when it is running; you could become entrapped by the v-belt or injured by the rotating fan blades.
- Do not service the electrical components unless you are certified to do so.
- The metal frame edges are sharp; don't run your hand along them. Be careful and wear gloves when you reach under the frame to inspect the PVC pipes and mesh socks.
- A GFCI (Ground Fault Circuit Interrupter) is required for use with this unit.
- If pads and grates are removed for servicing, they must be replaced prior to operating unit.
- Unit cannot be used with a solid-state control device.

WARNING!!!

Interference with the oscillating spout while the unit is operating, or manually directing the oscillating spout, will cause damage to the gear motor. Keep oscillating path clear of obstructions.

Do not place hands or any other object in the spout while unit is operational!
Do not attempt to stop spout from oscillating!



This warning decal should always be on top of unit above Waycool logo along with a CORT sticker



Waycool Evaporative Cooler

References

How to cool your tent with evaporative coolers

WayCool® Cooling Coverage Guide					
Length of tent in feet	X	Width of tent in feet	=	Square feet	Number of WayCools
20	x	20	=	400	1
30	x	30	=	900	1
40	x	40	=	1600	1
40	x	100	=	4000	1
40	x	120	=	4800	2
50	x	120	=	6000	2

Note: Add additional WayCools for obstructed air flow or for cross cooling

One WayCool® 1 hp oscillating cooler will cover 4,700 square feet.*

*Unobstructed air pattern

AIRFLOW PATTERN COMPARISON

