



Portable Evaporative Cooling Fans



ETL certified for United States and Canada

Designated Hazardous Location WayCool®

Model WC-1HP-DHL USER'S MANUAL

Certified for Class I, Division 2, Group D Class II, Groups F & G & Class III Hazardous (Classified) Locations

- Class I:** Hazardous location is one in which flammable gases or vapors may be present in the air in sufficient quantities to be explosive or ignitable.
- Class II:** Are those areas made hazardous by the presence of combustible dust.
- Class III:** Are areas where there are easily-ignitable fibers or flyings present, due to the types of materials being handled, stored, or processed.
- Division 2:** Not normally present in an explosive concentration (but may accidentally exist).
- Testing/Certifications Standards:** Electrical Equipment for Use in Class I and Class II, Division 2 and Class III Hazardous (Classified) Locations. [UL 1604, Third Edition, October 6, 1995, Including: Bulletins dated 3/22/95 & 5/17/96]
Non-Incendive Electrical Equipment for Use in Class I, Division 2 Hazardous Locations [CSA C22.2 No. 213-M1987]
Electrical Fans [UL-507, Ninth Edition, 9/24/01 and Fans and Ventilators [CSA C22.2 No. 113-M1989, Sixth Edition]



SCHAEFER
Ventilation Equipment

"Innovative solutions to improve your environment"

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WHY USE EVAPORATIVE COOLERS IN YOUR WORKPLACE?

- The WayCool® evaporative cooler requires little space, has a low initial cost, is inexpensive and simple to operate and requires minimal scheduled maintenance.
- Due to the design and construction of the cooling pads, cooling efficiency is normally maintained near optimum throughout the life of the pads, which can easily last for about two seasons with proper care.
- In many cases, evaporative coolers are a better solution than mechanical refrigeration systems because they are more economical to operate and maintain and do not use environmentally sensitive and costly refrigerants.

INTRODUCTION

HOW EVAPORATIVE COOLING WORKS

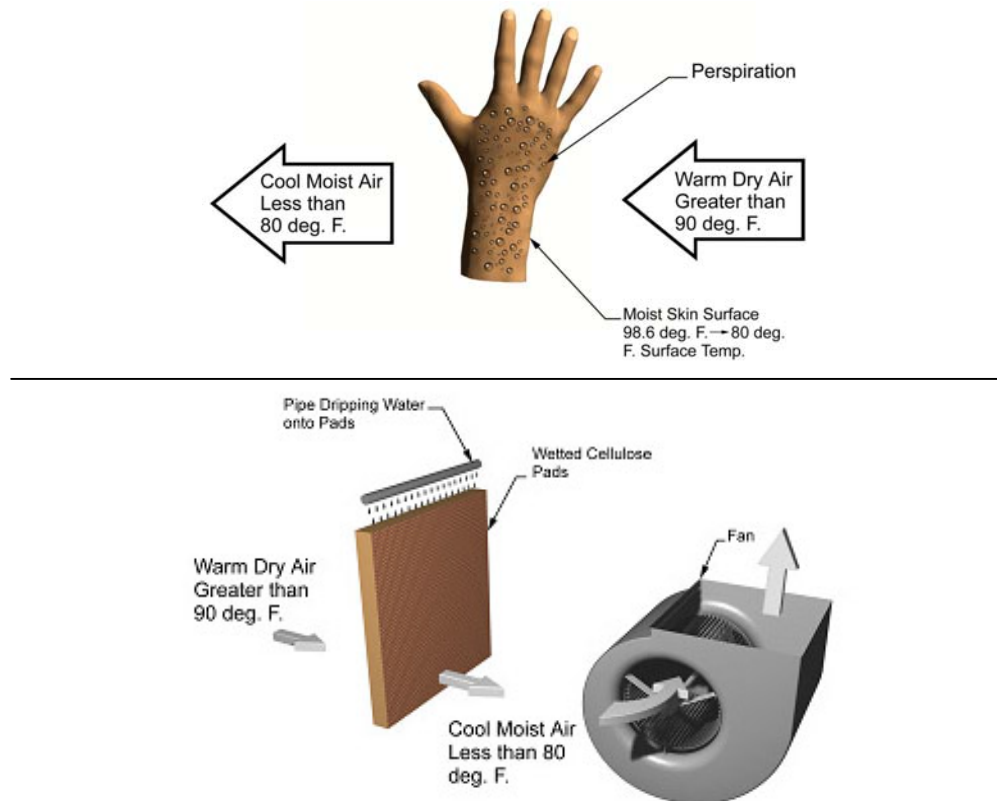


Figure WC-1HP-DHL.02 - Evaporative Cooling Principle

Evaporative cooling is the same process your body uses to cool itself. When you perspire, and air moves across your skin, a portion of the perspiration (water) evaporates. Evaporation requires heat to change liquid water-to-water vapor and this heat is taken from your skin, producing the cooling effect.

In an evaporative cooler, the cellulose cooling pads take the place of your skin, water instead of perspiration wets them and a fan moves the air. The air blows across the cooling pads and evaporates moisture. Heat is drawn from the pads and the air, dropping the air temperature and producing the cooling effect. The cooled air is then forced through a building or space and displaces the warm air out building openings, cooling the surroundings. In addition, air velocity increases the cooling effect as it moves over the skin of people in the airflow path.

WayCool[®] evaporative coolers are portable and use the latest technology to provide large volumes of cool air, efficiently and inexpensively for cooling small to medium size areas. Simply adding more units can accommodate larger areas. With proper sizing and application, a WayCool[®] portable evaporative cooler can lower the effective air temperature by up to 20°. Even in high humidity, the efficiency of the WayCool[®] evaporative cooler provides effective cooling.

ABOUT THIS MANUAL

The intent of this manual is to help you in two ways: to provide you with step-by-step instructions for quick and easy assembly of your product and to serve as a reference for simple maintenance and questions regarding your product.

Important! Read ALL instructions carefully before starting your WayCool®.

Important! Pay particular attention to all SAFETY information.

All information, illustrations and specifications in this manual are based on the latest product information available at the time of printing. We reserve the right to make changes at any time without notice.

SAFETY INFORMATION

Warning and Danger Decals have been placed on the equipment to warn of potentially dangerous situations. Care should be taken to keep this information intact and easy to read at all times. Replace missing or damaged safety decals immediately.

Using the equipment for purposes other than specified in this manual may cause personal injury and/or damage to the equipment.



Safety-Alert Symbol

This is a safety-alert symbol. When you see this symbol on your equipment, be alert to the potential for personal injury. This equipment is designed to be installed and operated as safely as possible... however, hazards do exist.

Signal words are used in conjunction with the safety-alert symbol to identify the severity of the warning.



CAUTION indicates an imminently hazardous situation, which, if not avoided, **COULD** cause damage to your equipment or equipment failure.



WARNING indicates a potentially hazardous situation, which, if not avoided, **COULD** result in death or serious injury.

Follow Safety Instructions

Carefully read all safety messages in this manual and on your equipment safety decals. Follow recommended precautions and safe operating practices.

Keep safety decals in good condition. Replace missing or damaged safety decals.

Decal Descriptions

This diagram shows the proper location of the safety decals as shipped from the factory. Replace damaged or missing decals. Make sure the decals are easy to see at all times.

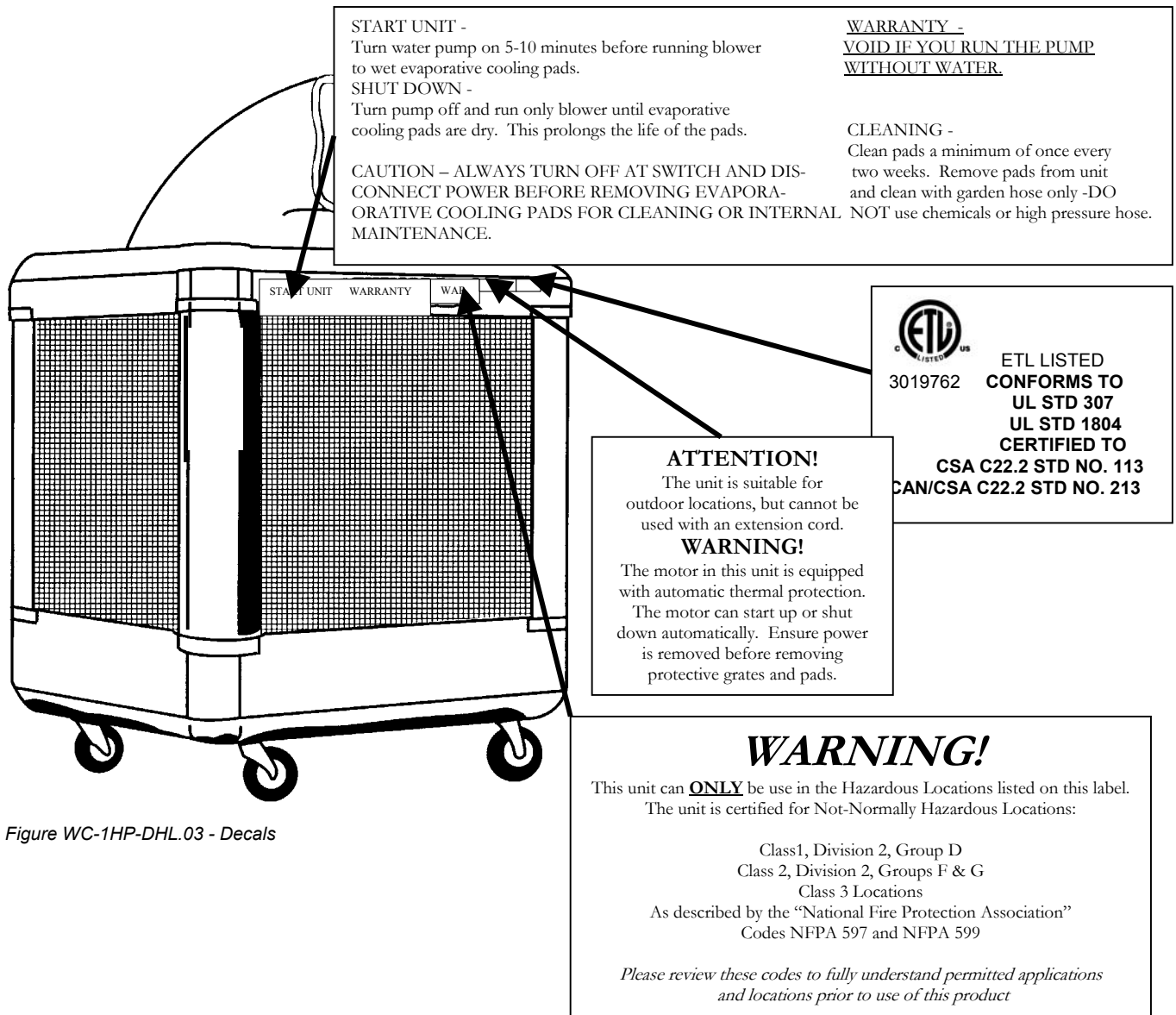


Figure WC-1HP-DHL.03 - Decals

SAFETY RECOMMENDATIONS

READ AND SAVE THESE INSTRUCTIONS!

- 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.
- An extension cord can not be used with this unit.
- Units can only be used in an environment it has been certified for.

WC-1HP-DHL SPECIFICATIONS

- **Height and Width** – 33" X 33" wide X 54" high (with casters and directional blower duct)
- **Shipping Weight** - 265 pounds
- **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 ¾" hose connection (garden hose size)
- **Housing** - High impact ABS plastic w/UV protection
- **Evaporation Media** - Chemically treated cellulose paper

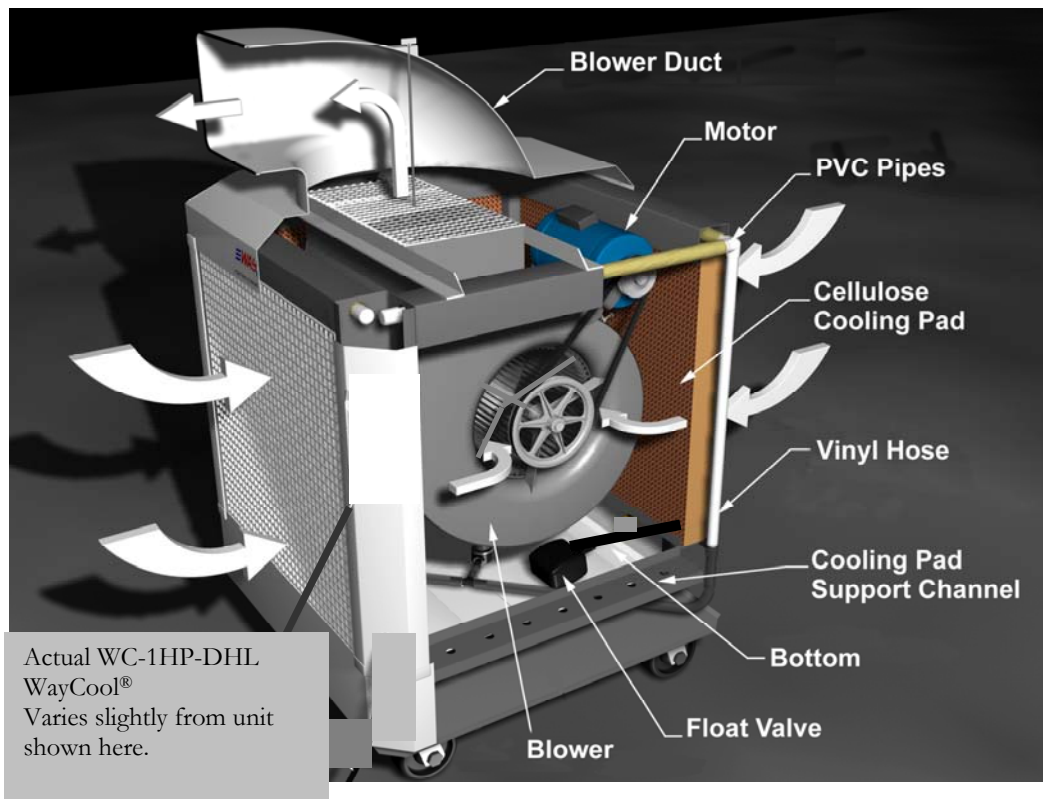


Figure WC-1HP-DHL-04. Waycool Evaporative Cooler Overview

WC-1HP-DHL UNIT DESCRIPTION

The WayCool® evaporative cooler is a completely self-contained, portable unit capable of delivering 40 MPH velocity of air with a temperature drop of up to 20°. The unit is composed of:

- Level-controlled water supply system
- Cooling pad assembly
- Motor-driven blower and ductwork
- Controls
- Frame and housing

The bottom is made of high impact ABS plastic and holds approximately 24 gallons at normal operating level (about 5" deep).

A float-operated valve automatically maintains proper water level when the unit is connected to a water supply.

The bottom rests on, and is fixed to, an aluminum cradle. The bottom, in turn, is secured to the aluminum frame. Four casters (2 locking, 2 regular) are attached to the underside of the aluminum cradle.

A pump draws water from the bottom and discharges it through the vinyl hose to the PVC pipes located above the cooling pads. The PVC pipes distribute water onto the top of the cooling pads; saturating them. Excess water drips back into the bottom through the holes in the cooling pad support channels.

The cellulose cooling pads sit in support channels and are held in place by plastic retaining grates. The grates also help prevent damage to the cooling pads. Two pad sections fit in each side of the unit (total eight sections) to totally enclose the unit.

The blower is hung from the top of the frame and powered by a belt driven 1HP electric motor. The blower draws room air through the cooling pads where it picks up moisture and cools by evaporation. The blower then discharges the cooled air.

Note: 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. See Unit Placement and Other Considerations in the "Operations and Maintenance" section of this manual.

A screen covers the discharge duct to prevent foreign objects from entering the blower. A threaded rod screws through a threaded brace above the screen to hold the blower duct in position. A plastic knob secures the blower duct to the rod. The blower duct is made of a tough, durable plastic and can be manually rotated 360 degrees to provide cool air in any direction without moving the unit.

Note: Water weighs about eight pounds per gallon, so when the unit is full, it weighs over 375 pounds. During setup and before startup, place the unit in the desired location and then fill the bottom. Do not attempt to lift the unit once it is filled and be careful to avoid spills when moving it; even over smooth ground. Do not try to push it over rough or soft ground as you can overstress the wheels and frame and cause structural and component damage, which is not covered by warranty.

WATER SUPPLY SYSTEM

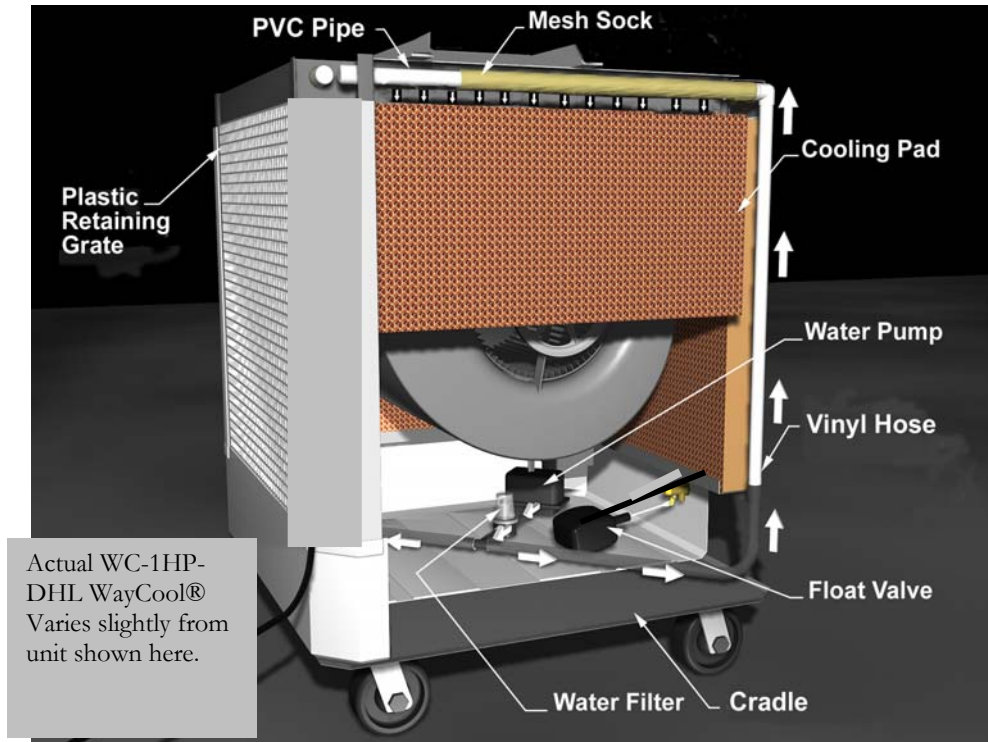


Figure WC-1HP-DHL.05 – Water Supply System

The bottom can be supplied continuously with an ordinary garden hose by attaching the supplied hose adapter (see Figure WC-1HP-DHL.08) to the fill connection, or it can be filled manually.

With a continuous water supply connected, the float valve in the bottom (like the one in your toilet tank) rises and falls with the water level. A linkage attaches the float to the shutoff valve in the fill connection. As the water level rises to normal operating level (about 5" deep), the float valve shuts off the water supply. When the water level drops, the float valve reopens to maintain a normal operating level.

After unplugging the unit, the bottom can also be manually filled with a hose or bucket; if a hose connection is impractical. Simply remove any of the plastic retaining grates and one of the cooling pad sections and place the hose, or pour the water, directly into the bottom. When you fill the bottom manually it can be filled to a higher level, but make sure someone monitors the filling operation to avoid overfilling and flooding.

Note: Water damage due to overfilling is not covered by the warranty.

Note: When you run the unit and manually fill it, check the water level frequently so it does not run dry. Operating the pump without water will damage it or reduce its service life. This is not covered by the warranty. The cooling effect also stops if the pads are dry.

Note: Pads and grates must be replaced before operating unit.

WATER SUPPLY SYSTEM

A drain in the bottom allows you to drain the unit for cleaning and maintenance. A drain cap on the underside of the aluminum tray covers the drain during operation. Make sure the cap is in place before you fill the bottom. The drain cap should be finger-tightened only.

The pump is attached to a bracket which in turn is fixed to the blower housing. The bracket holds the pump in its proper position on top of the foam filter and slightly above the bottom; allowing sufficient space for water to enter the pump suction.

The pump can be easily removed and replaced with the services of a qualified electrician.



Figure WC-1HP-DHL.06 – Pump

A small plastic screen covers the pump inlet to prevent foreign matter from entering and damaging the pump impeller. The screen snaps in place and can be easily removed for inspection or cleaning.

The pump sits on a foam filter; somewhat like a sponge. The filter traps dirt that could enter the water distribution system and build up on the cooling pads; reducing their effectiveness. Dirt could also accumulate in the PVC pipes and plug up the spray holes.

The pump discharges through a fine, washable screen filter which decreases the contamination of the cooling pads and water system. The discharge filter casing is a clear plastic so dirt buildup on the internal screen is easily visible. As dirt builds up, water flow to the cooling pads is reduced and performance decreases. The clear filter housing is threaded and screws into the filter body for easy removal to access the screen.

Note: A dirty water supply will quickly reduce the unit's performance and the unit will require more frequent cleaning to maintain cooling effectiveness. Always try to use a filtered, treated water supply.

WATER SUPPLY SYSTEM

A clear vinyl hose connects the pump to the filter. From the filter, a "T" connector supplies two lines that run along the bottom and up opposite frame corners to supply the PVC pipe with water. Each vinyl hose connects to two PVC pipes, which run horizontally along the top of the frame above the cooling pads.

The PVC pipes have a series of holes that run the full length of the pipe. Each PVC pipe is covered with a plastic mesh sock which helps break up the water as it leaves the spray holes. This gives a more even water distribution across the cooling pad and reduces splashing. The holes direct the water inward at a 90° angle to continuously saturate the cooling pads from the top down. Excess water drains back to the bottom through drainage holes in the bottom support channels which support the cooling pads.

Note: Water cleanliness has a major effect on the cooler's performance. Use a clean water supply and consider a water softener if your water is hard. Dissolved solids in hard water deposit on the cooling pad surfaces and reduce the airflow through the unit and therefore the amount of evaporation.

COOLING PAD ASSEMBLY

The cooling pads are critical for proper, efficient cooler operation. They are made of laminated cellulose (paper) fibers and arranged to give a large surface area for evaporation and to provide a rigid structure. The shape of the cells allows high velocity airflow through the pad at a minimum pressure drop. At the same time, the air passages between the cells force the incoming air to impinge on the wet cell surfaces and maximize evaporation.

Note: The WayCool® evaporative cooler also acts as an air filter and removes dust and other particles from the air. This dirt collects on the cooling pads and lowers cooler efficiency. The pads should be cleaned at least weekly and more frequently in dusty conditions. See Regular Cleaning under “Operation & Maintenance”.

The pump supplies a continuous flow of water over the pads causing a “sheet flow” which constantly replaces the water lost to evaporation and keeps the pads saturated.

One cubic foot of the cooling pad material holds about a gallon of water during operation. One cubic meter holds about 100 liters of water.

Note: The cooling pads are relatively strong but are subject to crushing, especially when wet. Always run the unit with the plastic retaining grates in place and handle them carefully when you clean them. Crushed cells reduce the total airflow through the unit and therefore lowers its cooling capacity.

The cooling pad sections, two sections for each side (eight sections total), sit in metal channels at the top and bottom of the unit. The channels hold the cooling pads in position and form four sidewalls to completely enclose the unit.

The top channels house the PVC pipe, which run horizontally along the channel directly above the cooling pads. The bottom channels have a series of holes drilled through them to allow excess water flowing down the cooling pads to return to the bottom.

The plastic retaining grates fit in front of the cooling pads and sit in the same channels as the pads; holding them in place and protecting them from accidental damage. The plastic grates and cooling pads are easily removed by placing a flat blade under the bottom and lifting upwards, then outwards. Once one pad is removed, the others can be lifted up and out by hand without using a blade.

Note: Do not remove or handle the cooling pads when they are wet, as they damage easily. Run the blower without the pump until pads are dry. With normal care, the pads should last at least two seasons. Abuse or mishandling will reduce their effectiveness and shorten their life.

BLOWER AND DUCTWORK

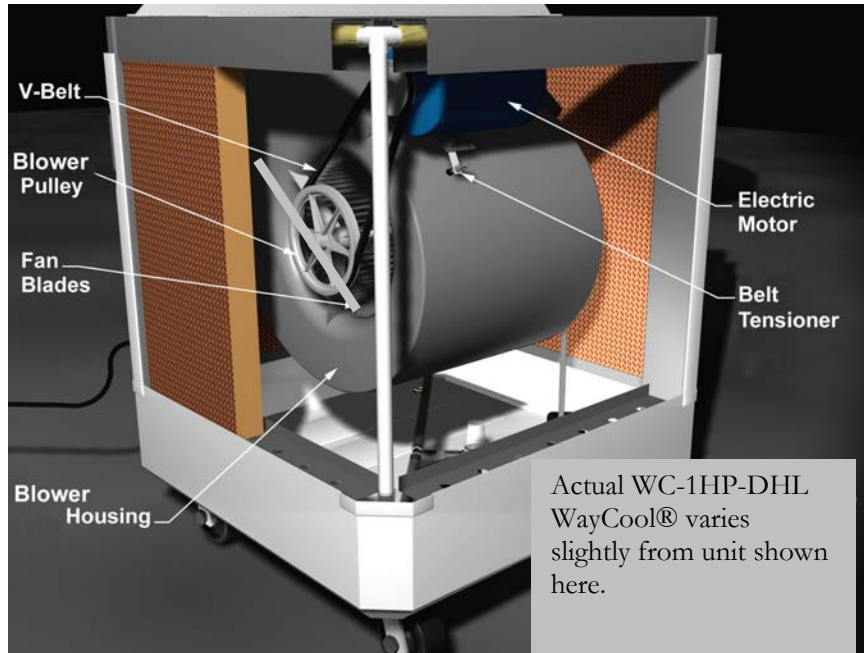


Figure WC-1HP-DHL.07 - Fan Blower

The WayCool® WC-1HP-DHL uses a belt-driven, 1 HP electric motor to drive a centrifugal blower. The blower draws room air through the cooling pads and discharges the cooler air through the blower duct, displacing the warmer air with cooler air and decreasing the temperature.

The blower is secured to the top of the frame and hangs upside down to direct the air out the top of the unit. Brackets on each side of the blower casing secure the blower to the frame and hold it in position.

The electric motor is bolted to a metal bracket on the blower casing. A V-belt connects the pulley on the motor shaft to the larger pulley on the blower shaft. Both shafts have sealed roller bearings, which do not require lubrication.

A belt tensioner is connected to a bracket on the motor. A rubber foot at one end rests against the blower casing. When the locking nut is backed off, the bolt can be turned in to tighten the V-belt or backed out to loosen or remove the V-belt.

Note: Do not over tighten the V-belt as you can prematurely wear out the bearings.

The power cord runs down the frame leg that has the control switch on the outside. It exits the frame leg at the bottom and has a male plug that must be plugged into a suitable hazardous location receptacle. The cord is approximately fifteen feet long.

Note: The WC-1HP-DHL unit requires 120 volts and 20 amps of power. This is normally available on most circuits. However, if you are running a number of other items on the same circuit, you may trip the breaker.

CONTROLS

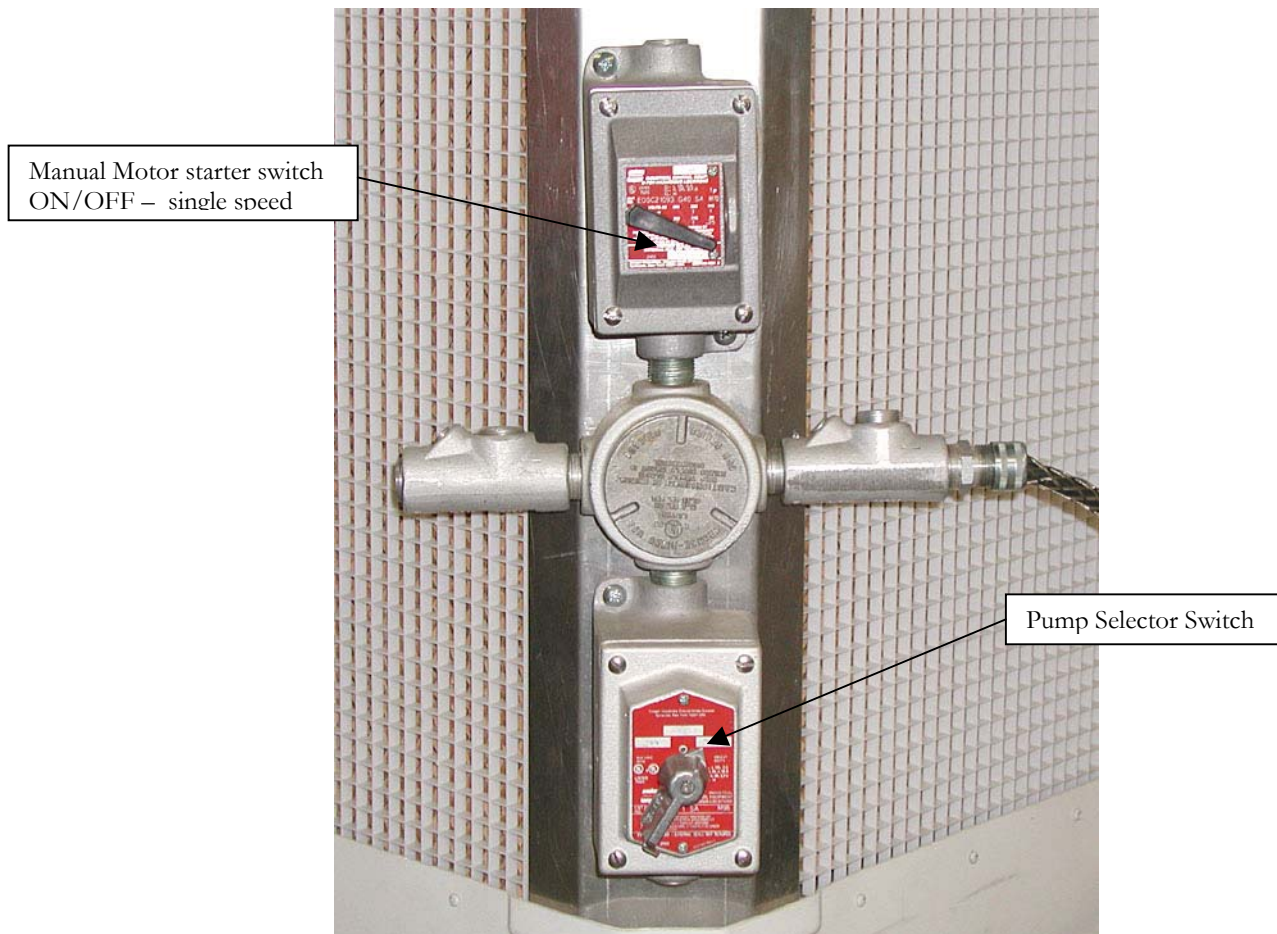


Figure WC-1HP-DHL.08 - WayCool Control Switch

Both the manual Motor starter switch and the Pump switch function as ON/OFF only. The unit can run with pump only ON, fan (motor) only ON or both ON.

UNIT PLACEMENT AND OTHER CONSIDERATIONS

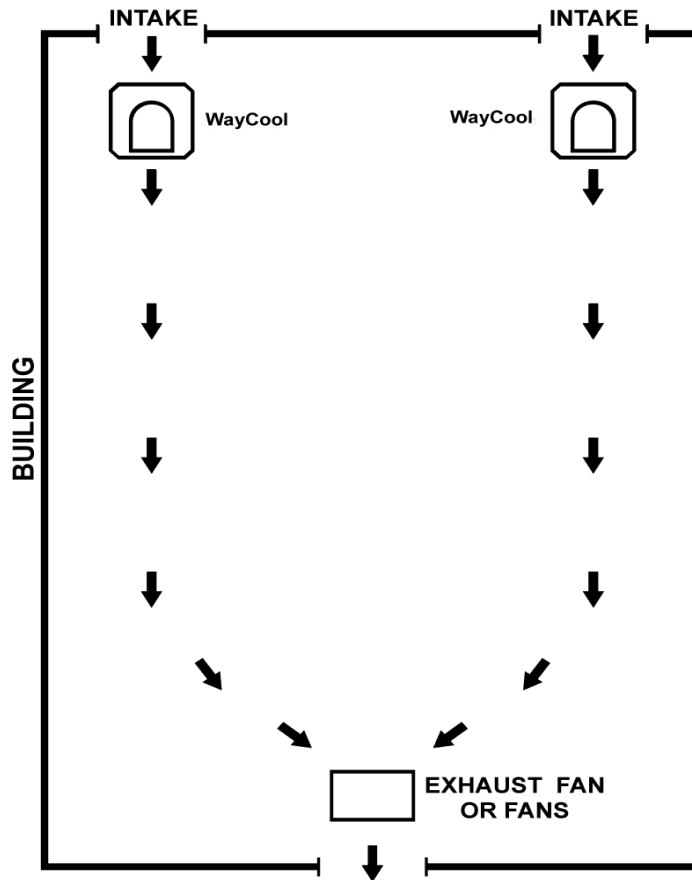


Figure WC-1HP-DHL.09 Typical WayCool® Unit Arrangement

The WayCool® 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.

Try to get all the air flowing in the same direction. 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.

Use as many exhaust fans as possible to create a natural draft through the building. This will enhance the WayCool's® performance.

OPERATION & MAINTENANCE

UNPACKING AND INITIAL SETUP

The WayCool® WC-1HP-DHL Evaporative Cooler is shipped upright in a corrugated container. The WayCool® WC-1HP-DHL is fully assembled and ready for service except for thoroughly cleaning manufacturing dust from the cooling pads before running it for the first time.

CAUTION: *Be careful when you move the unit while it is in the shipping container and when moving it around with the container removed. Avoid jarring or dropping the unit to prevent damage to the bottom.*

1. With the unit in the upright position as marked on the container, use a sharp knife or scissors to cut the straps that wrap the shipping container.

Note: Do not discard the container until you have thoroughly inspected the unit.

2. Remove the shipping container.
3. Ensure the switch is OFF and the unit is unplugged.
4. Remove the grate bracket and the plastic retaining grates from all four sides of the unit. Use your fingers to lift each upward, then outward from the bottom.



Actual WC-1HP-DHL WayCool® varies slightly from unit shown here.

5. Remove the cooling pads from all four sides of the unit. Place a putty knife or large, flat-bladed screwdriver under the pad to lift it up, then outward. With one pad out, the rest can be easily removed by placing one hand on the pad's inside, your other hand on the outside and lifting the pad up and out from the bottom (see figure WC-1HP-DHL.10).

Figure WC-1HP-DHL.10

6. Inspect the entire unit for shipping damage.
7. Ensure the fan belt is attached to the motor and blower pulleys and that the belt tension is correct. To ensure it is correct, press your finger on the belt about halfway between each pulley. It should have about a half inch of play. Too loose and the v-belt will slap around while running. Too tight will cause the pulley bearings to wear and fail prematurely.
8. Look for cracks in the bottom near the frame legs. This is also an indication of rough handling.

OPERATION & MAINTENANCE

9. Ensure the frame legs are straight and in alignment, and that the blower is sitting level and in proper position.

Note: If you notice any damage to your unit, immediately contact the dealer where you purchased it.

10. Clean thoroughly all eight cooling pad sections using a garden hose.

Note: Do not use cleaning fluids or other chemicals to clean the pads or it can cause foaming during operation. Use only clean water.

11. Remove the drain cap from the underside of the bottom and rinse with a hose to flush any manufacturing dust, etc. from the unit. Replace the drain cap.
12. Replace the pads, the protective retaining grates, and the grate brackets.
13. Proceed to "Normal Setup".

REGULAR CLEANING

The frequency with which the WayCool® is cleaned will depend on the environment in which it is used. The more dirty the environment the more often it will need cleaning. In most cases the WayCool® will need to be cleaned weekly.

Caution: The pads should be dry before you handle them, as they are stronger when dry than when they are wet and less susceptible to damage. 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.

1. Turn the switch to OFF and unplug the unit.
2. Remove the grate brackets and the plastic retaining grates and check the pads for cleanliness. If they are dirty, remove and clean with a garden hose. If they are not dirty you will still need to remove the cooling pads to clean the inside of the unit. Dirty cooling pads reduce the unit's effectiveness.
3. 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, as the Waycool unit also acts as an air filter.
4. Remove the drain cap from the underside of the unit and let the unit drain completely. Rinse out any remaining dirt.
5. Replace the drain cap (finger tighten only).
6. Remove the pump discharge filter by unscrewing the top, removing the screen and rinsing it with a hose or under a tap. Replace the filter screen and screw the top back on.
7. Remove the pump filter from underneath the pump. Wash thoroughly with a hose. Compress filter and place back under the pump.
8. Replace the cooling pads once they are dry and reinstall the plastic retaining grates and the grate brackets.

Note: With proper use and regular cleaning, the cooling pads will last about two seasons. If you handle them wet and are abusive, however, they will be easily damaged.

OPERATION & MAINTENANCE

NORMAL STARTUP

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.

Note: 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.

2. Check to ensure the drain cap is in place and secure.
3. Connect the garden hose to the brass hose adapter. Check that there is a washer in the hose connection's female end.
4. Open the water supply valve and check that water enters the bottom through the float valve by removing one cooling pad on the side with the water connection. Allow the unit to fill and check that the float valve completely shuts off the water.
5. If you are manually filling, remove one or more cooling pads and fill the bottom with a bucket or hose.
6. Visually monitor the filling operation to avoid overflowing and causing spill damage.
7. Plug the unit into an outlet.
8. Adjust the blower duct to discharge the cool air in the desired direction and tighten the knob on the end of the threaded rod.
9. Turn the pump switch to the on 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.

CAUTION: Do not run the pump without water in the bottom or you will damage the pump. Running the pump dry will void the warranty on the pump.

10. Turn the motor switch to the start position to begin normal cooling operation.

NORMAL SHUTDOWN

1. Turn the pump switch to the OFF position.
2. Leave the motor switch in the START position and let the unit run until the cooling pads are dry. This will maximize the life of the pads.
3. Turn the motor switch to the OFF position. Unplug the unit if you are going to clean the pads or inspect the components.
4. Shut off the water supply.
5. Drain the bottom if you are going to clean it or store it.
6. If the unit will be stored for the season, ensure the cooling pads are completely dry, and then remove them. 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.

COOLING PADS NOT WETTING

1. Ensure that the bottom has water.
2. Ensure that the motor switch is in the start position and the pump switch is in the on position.
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 figure WC-1HP-DHL.05 – Pump.
 - e. Filter may have an air lock. Remove clear filter cap and screen. Turn on pump until water flows through. Replace cap and screen.
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.

LINE CLOGS OR OBSTRUCTIONS (LITTLE OR NO WATER FLOW)

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. Your own experience will dictate the frequency.

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 PVD 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.

SPLATTERING

Out Front

See “Line Clogs or Obstructions”.

LEAKING

Out Bottom

Check for cracks on the bottom. If a crack is found, a new bottom will have to be ordered.
See “Ordering Replacement Parts – page 24.

Support information

Using this equipment for any other purpose than it was intended or in a way not within the operating recommendations specified in this manual will void the warranty and may cause personal injury.

This manual is designed to provide comprehensive planning, installation, safety, operation, maintenance, troubleshooting and parts information. The Table of Contents provides a convenient overview of the information in this manual.

Thank you

The employees of Schaefer Ventilation Equipment would like to thank you for your recent Schaefer purchase. If a problem should arise, your Schaefer dealer can supply the necessary information to help you.

Dealer & Product Information

Dealer's Name	_____
Dealer's Address	_____

Dealer's Phone	_____
Date of Purchase	_____
Serial Number	_____

ORDERING REPLACEMENT PARTS

To order replacement parts contact the dealer from whom you purchased your WayCool®. If you do not have that information, please call Schaefer Ventilation Equipment at 800-779-3267 to locate a dealer near you.

Keep this manual in a clean, dry place for future reference.

WARRANTY

THE SCHAEFER WARRANTY

Schaefer Ventilation Equipment, LLC, warrants to the original purchaser that our products which prove to be defective in material or workmanship within one year (unless otherwise specified) from date of purchase will be repaired or replaced at the option of Schaefer Ventilation Equipment, LLC, F.O.B. St. Cloud, Minnesota.

What is Not Covered By The Warranty

The Warranty does not cover:

- (1) installations not made in accordance with installation instructions;
- (2) where the operation of the product varies substantially from our operating instructions;
- (3) malfunctions resulting from misuse, negligence, alteration, accident or lack of performance of required maintenance;
- (4) loss of time, inconvenience, loss of use of the product, or other consequential damages.

The above constitutes our sole warranty.

THERE IS NO WARRANTY OF MERCHANTABILITY AND THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION OF THE FACE HEREOF.

Products with warranty periods that exceed our standard one-year warranty are listed below. These products are subject to all other provisions as stated in The Schaefer Warranty.

25 years – Poly Housings

15 years – Fiberglass Housings

10 years – VersaHeat® IRLens™ Ceramic Emitters for Gas Units

5 Years - VersaHeat® GQ Tube Heaters Combustion and Heat Exchanger Tubes

3 years – PC Compatible Controls

2 years – Certain Manual and Variable Speed Controls

2 Years - VersaHeat® GQ Tube Heaters Burner Controls

1 Year – VersaHeat® K-Series, 2-Stage, Compact Heater and the Stainless Steel Tube Heater

Products with warranty periods less than the stated one-year warranty are listed below. These products are subject to all other provisions as stated in The Schaefer Warranty

120 days – VersaHeat® IRLens™ Elements for electric units



SCHAEFER
Ventilation Equipment

"Innovative solutions to improve your environment"

Schaefer Ventilation Equipment M-WC1HPDHL 10-03