



MCP Series (MCP44 | MCP44C | MCP44E | MCP59)
WINDOW EVAPORATIVE COOLER
INSTALLATION & OPERATING MANUAL

Read and keep this document for future reference.

Access this manual online at mastercoolproducts.com

Serial number:

MasterCool® MCP Series Evaporative Window Cooler

Installation and Operating Manual

Congratulations on your purchase of the MasterCool® evaporative cooler. This unit is manufactured with the intent of offering you years of reliable and efficient cooling.

IMPORTANT SAFETY INSTRUCTIONS READ BEFORE USING YOUR COOLER

WARNING: To reduce the risk of fire, electric shock or injury to persons, observe the following:

1. Use this unit only in the manner intended by MasterCool/Champion Cooler. If you have questions, contact our customer service department at 800-643-8341.
2. Do not use this fan with any solid-state fan speed control device.
3. Do not use replacement parts that have not been recommended by MasterCool/Champion Cooler.
4. When installing or performing any maintenance, the unit must be in the OFF position, unplugged from the power receptacle, power turned off at service panel and locked to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel. Unplug the appliance during filling and cleaning.
5. This appliance has a polarized plug (one blade is wider than the other). Plug cooler directly into a 120V A.C. electrical outlet. Do not use extension cords. If the plug does not fully fit into the outlet, reverse plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.
6. Do not pull or carry the appliance by the power cable. Do not pull the plug from the socket by the cable.
7. Do not immerse the unit, plug or cord in water or spray with liquids. Do not place vases or similar objects filled with liquids near the unit.
8. Do not use the unit within the immediate vicinity of water, such as bathtubs, wash bowls, swimming pools, etc. where the likelihood of immersion or splashing could occur.
9. Place the unit on a dry, level surface to avoid overturning.
10. Ensure there is adequate ventilation around the unit. Do not cover the grill or operate in close proximity to curtains, etc.
11. Do not operate in the presence of explosive and/or flammable liquids or plugs. Do not use near an open flame, cooking or other heating appliance.
12. Never put the unit near: heat sources such as radiators, heat registers, stoves or other heat-producing products; direct sunlight; mechanical vibration or shock; excessive dust; lack of ventilation (examples: cabinet, bookshelf); uneven surfaces.
13. Install only on a circuit protected with a Ground Fault Circuit Interrupter (GFCI).
14. This appliance is not intended for use by people (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
15. Do not operate any unit with a damaged cord or plug, if the housing is damaged, or if the product malfunctions or is damaged in any way. If the cord or plug are damaged during use, switch off the electricity supply and do not use the unit. Contact customer service for troubleshooting, repair or return.
16. Do not insert anything through the grill when the unit is operating. Avoid contact with moving parts.
17. Do not leave the product running unattended.
18. Do not run cord under carpeting. Do not cover cord with throw rugs, runners or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be a trip hazard.

⚠ WARNING: Chemical Burn Hazard. Keep batteries away from children.

Use battery CR2025, DC3V.



Non-rechargeable batteries are not to be recharged.

Do not force discharge, recharge, disassemble, heat above 60° C (140° F) or incinerate. Doing so may result in injury caused by venting, leakage or explosion resulting in chemical burns.

Ensure the batteries are installed correctly according to polarity (+ and -).

Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries. Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.

Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

 WARNING	
<ul style="list-style-type: none">• INGESTION HAZARD: This product contains a button cell or coin battery.• DEATH or serious injury can occur if ingested.• A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours.• KEEP new and used batteries OUT OF REACH of CHILDREN.• Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body.	

LIMITED WARRANTY

This warranty is extended to the original purchaser of an evaporative cooler installed and used under normal conditions. It does not cover damages incurred through accident, neglect or abuse by the owner. We do not authorize any person or representative to assume for us any other or different liability in connection with this product.

TERMS AND CONDITIONS OF THE WARRANTY

For one year from date of purchase, we will replace any original component provided by Champion Cooler which fails due to any defect in material or factory workmanship only.

EXCLUSIONS FROM THE WARRANTY

We are not responsible for replacement of evaporative media. These are disposable components and should be replaced periodically.

We are not responsible for any incidental or consequential damage resulting from any malfunction.

We are not responsible for any damage resulting from the use of water softeners, descaling materials or plastic distortion caused by chemicals.

We are not responsible for the cost of service calls to diagnose the cause of trouble, or labor charges to repair and/or replace parts.

HOW TO OBTAIN SERVICE UNDER THIS WARRANTY

Contact the dealer where you purchased the evaporative cooler. If for any reason you are not satisfied with the response from the dealer, contact:

Customer Service Department

5800 Murray Street

Little Rock, Arkansas 72209

1-800-643-8341

info@championcooler.com

This limited warranty applies to the original purchaser only. Register your product online at championcooler.com.

VENTILATION FOR EVAPORATIVE COOLERS

Unlike traditional air conditioners, evaporative coolers require an open ventilation system, not a closed system. Both a fresh air source and an exhaust opening are required to provide correct air flow. Typically, a partially opened window or door in each room where cooling is desired will create correct airflow for optimum effectiveness of an evaporative cooler. Alternately, attic ventilation ducts such as UP-DUX® can be installed to provide sufficient air movement without requiring open windows.

NOTE: Evaporative coolers WILL NOT work in a closed room.

NOTE: For best results, the open windows/doors should not be on the windward side on the house.

CAUTION: Water expelled from the cooler must be routed away from any areas that could do damage to foundations or other vulnerable areas.

BEFORE INSTALLING

WARNING: Do not connect electrical power to the unit until the installation is completed.

The MasterCool MCP series cooler can be installed in a sash-style or a slider-style window.

NOTE: Two people are required for assembly and installation.

REQUIRED CLEARANCES/SPECIFICATIONS:

The following clearances are required:

- Width: 22"
- Height: 26" (22" plus 4" additional space required above exterior of cabinet for maintenance).
- Weight: 93 lbs. when operating.

Tools & Materials Required *(not supplied)*:

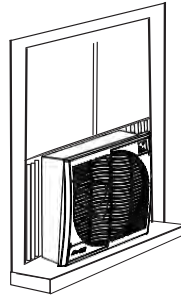
- Drill (power or cordless)
- Assorted drill bits (for drilling pilot holes for mounting hardware)
- Adjustable wrench
- Phillips head screwdriver
- Silicone or all-weather caulk for sealing closeout panels to window frame
- Bubble level (three-foot level is preferred)
- Spacer material (as needed)

Water connection OPTION 1

- Standard water hose

Water connection OPTION 2

- Sillcock valve
- Length of 1/4" copper or plastic tubing



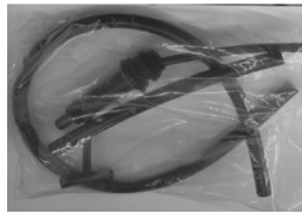
FOR THIS COOLER TO EFFECTIVELY COOL A WHOLE HOUSE THERE MUST BE OPEN WINDOWS OR DOORS IN EACH ROOM WHERE COOLING IS DESIRED.



DOOR OR WINDOW SHOULD BE OPEN 4 TO 6 INCHES

INCLUDED PARTS

ITEM A
BAGGED WATERLINES AND OVERFLOW DRAIN FITTING



ITEM G | 4 EACH
INSTALLATION L-BRACKETS



ITEM B | 12 EACH
6-32 X 1/2" SCREWS
BRACKET INSTALLATION



ITEM H
2 EACH EXTRA MEDIA
PEG CLIPS



ITEM C | 12 EACH
10-14X3/4" SCREWS
FAN HOUSING ASSEMBLY



ITEM D | 5 EACH
3/16X2-1/4" SCREWS
MASONRY INSTALLATION



ITEM I | 1 EACH
REMOTE WITH WALL
MOUNT



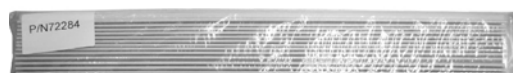
ITEM E | 1 EACH
OPTION 1 WATER SOURCE
CONNECTION FOR WATER HOSE



ITEM F | 1 EACH
OPTION 2 WATER SOURCE
CONNECTION FOR DIRECT LINE
(packed with float inside unit)



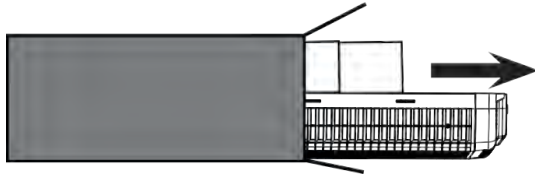
ITEM J | 2 EACH
ACCORDION CLOSEOUT PANELS



UNPACKING AND ASSEMBLY TIPS

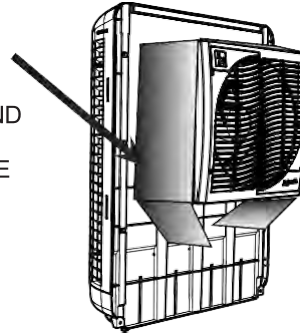
NOTE: Drawings in this manual are for illustrative purposes only and may reflect slight differences depending on design level and configuration

UNPACK THE UNIT



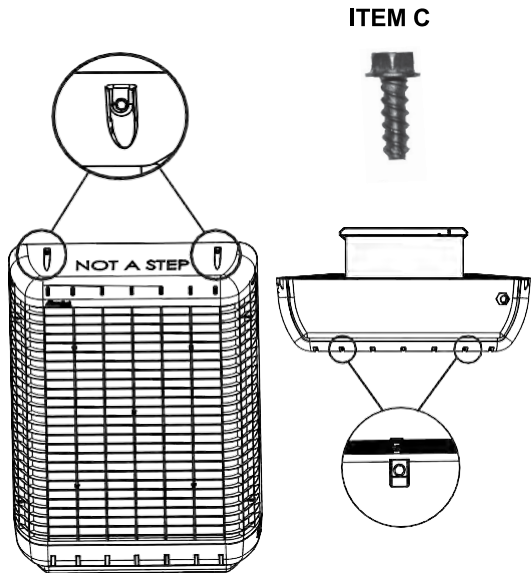
SLIDE UNIT OUT OF BOX.

UNWRAP THE CARDBOARD SLEEVE AROUND FAN HOUSING. SEAM IS AT THE BOTTOM.

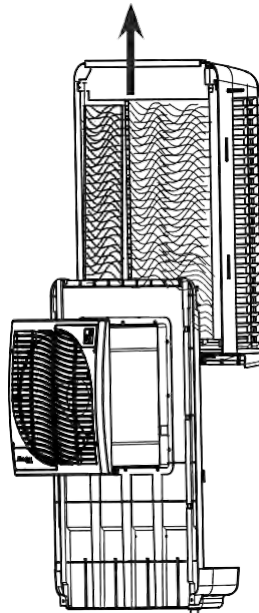


OPEN UNIT UP AND REMOVE INNER PACKING

1. LOCATE AND REMOVE FOUR SCREWS (TWO AT TOP AND TWO AT BOTTOM) SECURING THE BACK GRILLE TO THE COOLER.
2. PULL THE BACK GRILLE UP AND OFF OF THE FRONT.
3. REMOVE THE INNER PACKING TAPED ONTO THE BACK OF THE FAN HOUSING.

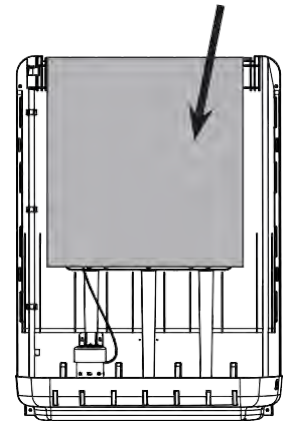


ITEM C

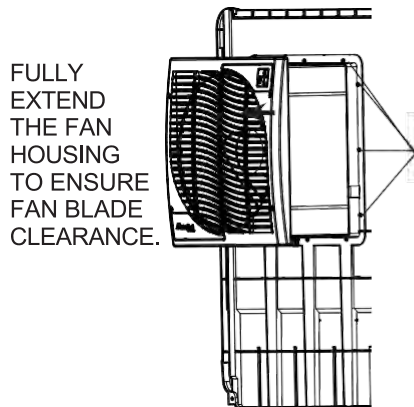


NOTE: TWO PEOPLE WILL BE REQUIRED TO SEPARATE THE FRONT FROM THE BACK.

LAY THE COOLER ON ITS BACK WHILE ONE PERSON HOLDS THE FRONT PORTION, THE OTHER PERSON SHARPLY PULLS THE BACK GRILLE AWAY FROM THE FRONT SECTION.



SECURE FAN HOUSING



FULLY EXTEND THE FAN HOUSING TO ENSURE FAN BLADE CLEARANCE.

ITEM C

INSTALL 12 SCREWS AROUND THE PERIMETER OF THE FAN HOUSING TO SECURE IT IN PLACE.

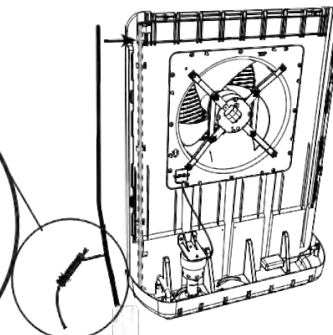
ASSEMBLE WATERLINE AND ATTACH IN COOLER

ITEM A

SNAP LINES INTO CLIPS



OVERFLOW DRAIN



ATTACH THE FITTING TO THE WATERLINES BY INSERTING THE TEE FITTING INTO THE END OF EACH TUBE.

INSTALLATION PROCEDURES

See the "UNPACKING AND ASSEMBLY TIPS" section for instructions on unpacking and securing the fan housing.

INSTALLATION IN WINDOW

NOTE: We recommend two people for installation.

1. Remove screen (as needed) and make sure window is opened to its maximum height. From the exterior of the window, slide the fan assembly section into the window. Have the person on the interior adjust the exact placement of the unit for aesthetics and correct lengths of the two accordion spacers (included).

NOTE: After identifying the position for installation, place a bubble level on the top of the exterior back of the unit and make adjustments to ensure the unit will be level when installation is complete. It is recommended to verify unit is level at various points during installation.

Exterior

2. Closing the window may help hold the unit in place during the following steps. Push the unit into the window until the fan assembly is fully in the window opening. The lip of the fan assembly should be positioned outside the window. The width of the lip will typically require a spacer (not supplied) to be used at the bottom of the cooler to ensure a square installation. Use two masonry screws (ITEM D) or other fasteners to secure the unit to the exterior structure.

Interior Bracket Installation

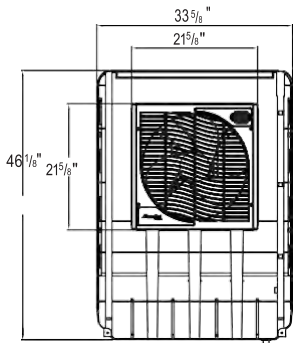
3. Four L-brackets (ITEM G) are supplied to secure the cooler to the window structure. Recommended installation is using two brackets to secure unit at the top and two securing it to the windowsill. However, you may configure your installation as needed as long there are four secure attach points.

NOTE: For easy installation, there are grooves in the bottom of the fan housing that fit the brackets.

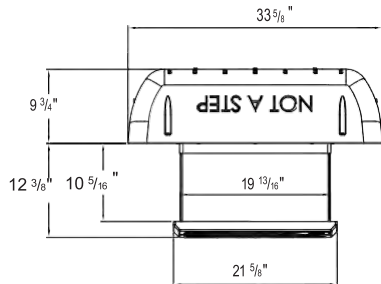
4. Verify that assembly is secure to prevent vibration between the front and back sections.
5. Attach accordion closeout panels (ITEM J) by peeling off the adhesive strips and attaching one side to the window casing and one side to the fan assembly. Short screws (not included) can be used for a more secure installation. Make sure screws do not interfere with fan blade.
6. Once accordion spacers are installed, seal any gaps around the spacers with silicone or all-weather caulk (not supplied).

PRODUCT MEASUREMENTS

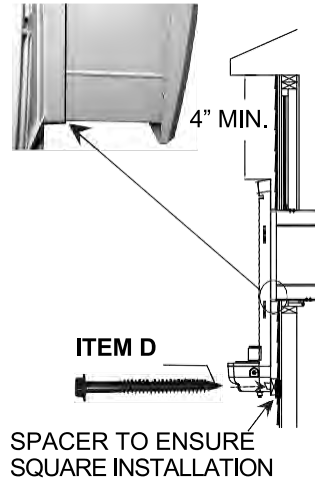
Front View



Top View



INSTALLATION IN WINDOW

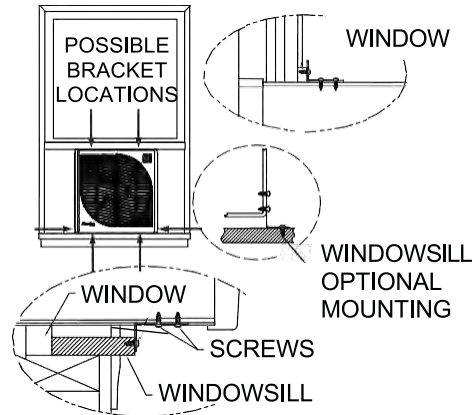


Interior Bracket Installation

ITEM G BRACKET



ITEM B SCREWS



UNDERSIDE OF FAN HOUSING BRACKET LOCATIONS

Accordion Closeout Panel

ITEM J



SEAL ANY GAPS

WATER CONNECTIONS

The cooler operates by water being pumped from the bottom pan through a water distribution system to saturate cellulose media pads. The waterlines (ITEM A) should be snapped into the plastic clips along the inside of the unit.

WATER PUMP

A self-contained water pump continuously circulates water through black plastic lines to a distribution tray in the top of the cooler that distributes water over the media.

1. The pump and waterlines are shipped disconnected.
2. The overflow drain is attached to the drain line and should be pushed down to be flush with the end of the drain tube.
3. Push the other portion of waterline onto the intake port on the pump.

OVERFLOW DRAIN

4. Remove the nut on the end of the drain and insert the fitting through the hole in the cooler bottom. Then tighten the nut on the bottom of the cooler.
5. Make sure the rubber washer (installed inside reservoir) does not twist while tightening, which could cause it to leak. **DO NOT OVER TIGHTEN.**
6. If leakage occurs after reservoir is full, re-tighten the overflow fitting until leaking stops.
7. A standard water hose can be attached to exterior portion of the overflow drain fitting to allow the water to be diverted to a desired location.

FLOAT CONNECTION

The float has been installed in bottom of the cooler with ferrule and compression nut zipped tied to the float. Cut these free for use (as described below) with waterline installation. The float level is factory set to maintain two inches of water in the reservoir. After installation is complete the float might need readjustment by slightly bending the float arm.

WATER SOURCE CONNECTION

Steady water supply is required for operation of the cooler. If taking water from an external faucet, there are two options for attaching water to the cooler.

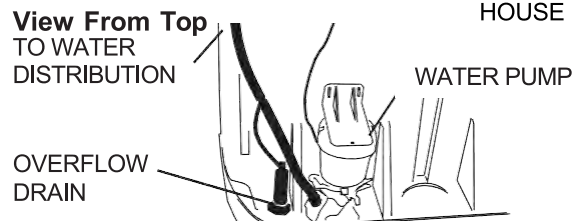
Option 1:

If using a standard water hose to supply water:

1. Install the float and red gasket on the inside of the cooler, securing them with the threaded jam nut on the outside of the cooler.
2. On the exterior, screw the small nut inside the water hose connector onto the threaded float valve port. Use a 14mm wrench to tighten. **DO NOT OVERTIGHTEN.**
3. Screw a standard water hose into the connector. Verify that the washer is in place.
4. Leave water spigot turned off until installation is complete.

Option 2:

1. Install a sillcock (locally available) onto the faucet.
2. Determine length of waterline needed and install one end of 1/4" plastic or copper line on sillcock and use the ferrule and nut (that was zip-tied to the float for packing purposes) to connect the waterline to the float valve's attach point.

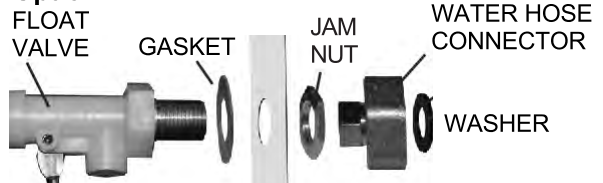


FLOAT CONNECTION

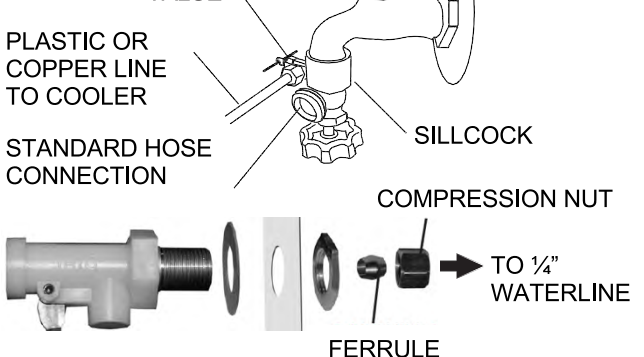


WATER SOURCE CONNECTION

Option 1



Option 2

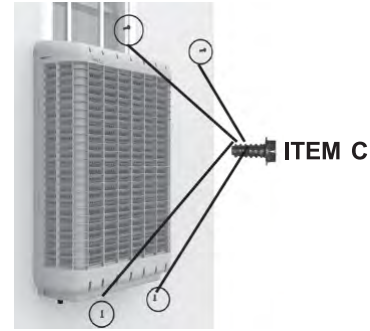


CLOSING UP COOLER

After completing water connections, close up the unit by repositioning the cooler back onto the installed cooler and reinstall four screws (ITEM C) securing front and back of cooler together.

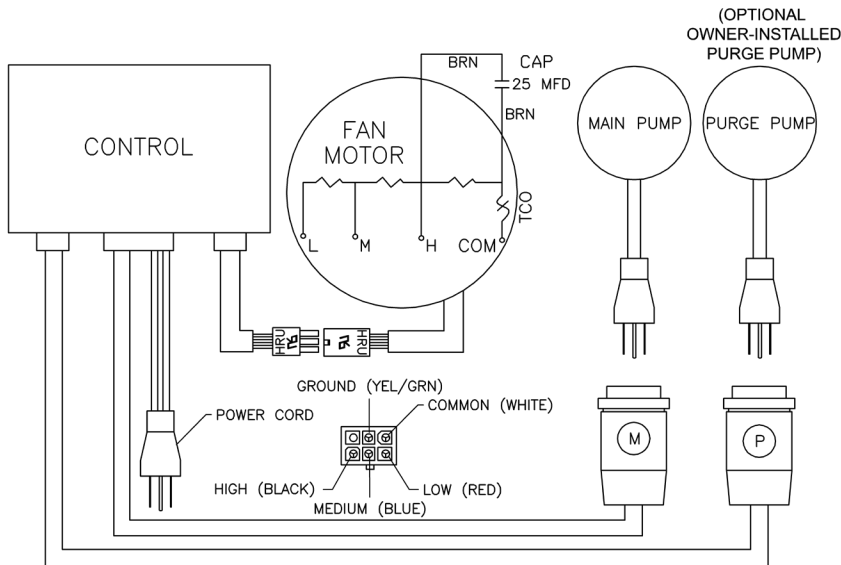
Final Steps

Before turning unit on, ensure unit is plugged in, water supply to pump is on, and there is correct ventilation, as shown in the "VENTILATION FOR EVAPORATIVE COOLERS" section of this manual.



ELECTRICAL SYSTEM

The electrical system does not require general maintenance. The following wiring diagram is supplied for reference only.



ELECTRICAL SPECIFICATIONS


ITEM	VOLTS/AMPS
Fan motor	120 V; 2.8 amps
Main pump	120 V; 0.9 amps
Optional purge pump	120 V; 0.9 amps

Based on installation of owner installed purge MCP44-PPK pump.

OPERATING INSTRUCTIONS


The MCP series of coolers has an electronic touch control panel in the upper right-hand corner and a remote control.

Power

Pressing the power  icon turns on the unit. When first turned on, the unit will start in the default setting (with the pump on and the fan on high). After its initial use, the last operating settings (for fan and pump) will be reinstated when the unit is turned on again. Pressing the power icon when the unit is already running will turn both fan and pump off.


After a Power Failure: Once power is restored, the unit will restart in the same settings as before power was lost.

Pump

Pressing the pump  icon toggles the pump on and off. When the LED is lit, the pump is running. The pump must be on while operating the fan for the unit to operate as an evaporative cooler, though the unit can be used in fan mode without the pump, if desired.

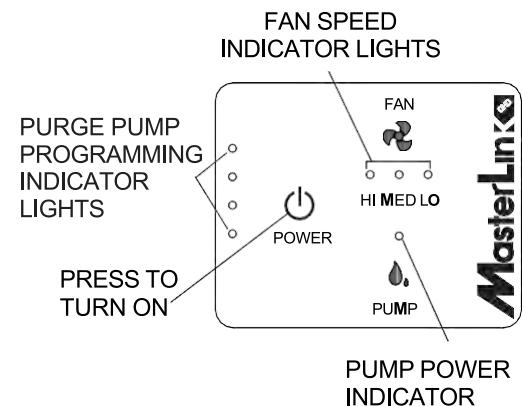
NOTE: For best results, turn on the pump for a few minutes to wet the pads before operating the fan.

Fan

Pressing the fan  icon cycles the unit through high, medium, low and off.

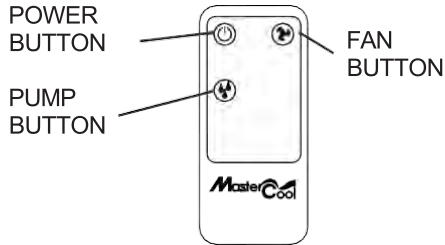
NOTE: There is a two-second delay when the pressing of the fan button to engage or change speeds. This applies to the front control panel and the remote control.

TOUCH CONTROL PANEL



Remote Control

The supplied remote control allows you to turn the unit on or off, control fan speed and initiate the pump. The remote control's range is approximately 20 feet within sight of the cooler. The CR2025 battery is included, accessible from the back. Remove the small plastic guard to activate the remote. A wall mountable holder is also supplied with the remote.



OPTIONAL ACCESSORIES

OPTIONAL PURGE PUMP

Water pumped into the cooler must be removed from the unit to avoid mineral and bacteria buildup. In addition to the standard water pump to recirculate water from the reservoir, an optional purge pump can be installed to evacuate the contents on a scheduled basis. The cooler base has space and pre-located screw attach points for a purge pump.

The MCP44-PPK is available for purchase at local retailers or by calling 1.800.643.8341.

CAUTION: The MCP44-PPK purge pump kit is designed to be used with the MCP series coolers. If a different purge pump is installed the warranty cooler will be voided.

The use of the purge pump saves water and is actually more economical than continual bleed. It helps reduce bacterial growth and mineral buildup extending media life. It also maintains fresher air in the home.

Purge pump discharge: The water ejected at the time of purging will be expelled at a high rate of speed and must be routed away from the foundation of the home or other areas where rushing water could do damage.

Attach a standard water hose to the overflow drain to direct the water away from the house.

NOTE: This water is not potable but can be used for watering vegetable or flower gardens.

PROGRAMMING PURGE PUMP

Once a purge pump has been installed and plugged into the cooler, the purging cycle can be programmed from the control panel.

NOTE: When in purge setup mode, you will not affect the fan speed or main water pump operation.

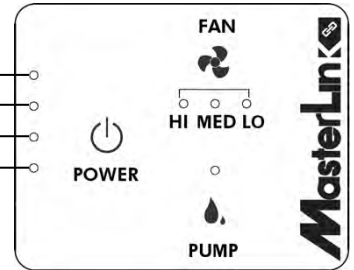
The default setting for the purge pump is one minute of purge every 24 hours. This setting can be changed to increase interval and duration of purges as needed.

To enter the programming mode of the control panel, hold down the pump touchpoint for five seconds.

At this point the purge interval can be set. Four lights on the left side illuminate. This indicates one purge every 24 hours. To change the number of hours between purges, press pump again until the desired schedule is selected. The options for purge interval are 24, 12, 8 and 6 hours. The lights decrease by one each time the pump touchpoint is pressed.

PURGE PUMP TIMING

4 LIGHTS | EVERY 24 HRS
 3 LIGHTS | EVERY 12 HRS
 2 LIGHTS | EVERY 8 HRS
 1 LIGHT | EVERY 6 HRS



NOTE: Depending on the amount of minerals in the local water, it may be advantageous to increase the purges to extend the life of the media and the unit.

After the number of hours in the purge interval has been set, you may select the duration of the purge. Options are from one to four minutes that the water will be expelled.

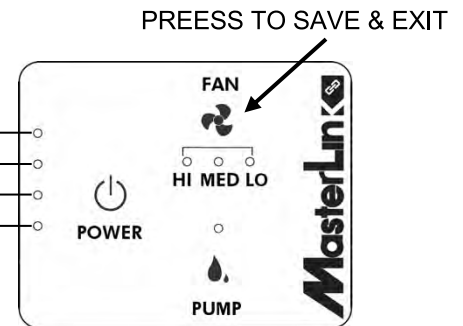
Press the fan touchpoint to enter the purge duration setting feature.

The four lights on the left side will begin blinking indicating four minutes of purging. Press the pump touchpoint to change the setting from four to three minutes, then two- or one-minute duration.

To save and exit the duration portion of the programming, press and hold the fan touchpoint for five seconds

PURGE PUMP DURATION

4 LIGHTS | 4 MINS
 3 LIGHTS | 3 MINS
 2 LIGHTS | 2 MINS
 1 LIGHT | 1 MIN



NOTE: If no touchpoint is pressed within 10 seconds, the program will automatically exit the setup mode and retain previous settings.

OPTIONAL PLUG-IN THERMOSTAT USAGE

The MCP series also can be controlled by a plug-in programmable thermostat, such as the Lux WIN100. These thermostats are locally available and enable precise timing and temperature control via an electronic thermostat that plugs into a 110-volt outlet. To use such a device with the MCP series cooler, follow the instructions for the specific thermostat and plug the cooler into the outlet on the thermostat.

SERVICING INSTRUCTIONS

Maintenance on evaporative coolers is minimal, but very important to the proper operation and effectiveness of your cooler. Periodic inspection of the cooler's interior will reduce the potential for substandard cooling due to insufficient or uneven water distribution.

NOTE: For general maintenance purposes, the unit may be rapidly drained of water by removing the overflow fitting from the bottom of the unit. This is not adequate draining for winterization (see procedures under the winterization section).

ANNUAL MAINTENANCE

NOTE: May be needed more often in areas with hard water.

WARNING: Disconnect from electrical power and turn unit off during all maintenance. Turn water supply off before removing back for cleaning or maintenance.

CAUTION: To maintain UV resistance, do not use abrasive cleaners on the exterior of the cooler body.

CAUTION: Do not use harsh chemicals (like chlorine bleach) to clean the interior portions of the cooler.

Cleaning

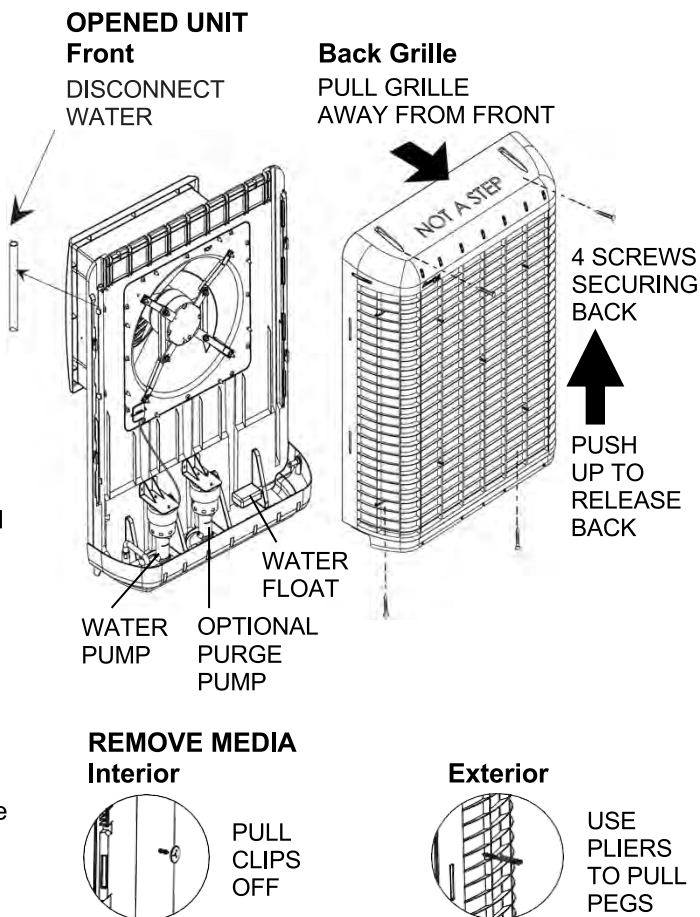
1. Remove the back media guard..
2. Inspect pads in place. Remove media pads from back guard by unscrewing the media peg clips. Be careful not to chip or damage the media while removing. Visually inspect both sides of media pads. Look for blockage, mineral buildup or mildew growth, breakage or other anomalies.
3. Wash pads with a garden hose. Never use a pressure washer.
4. Check water distributor for blockage or excessive buildup of dust.
5. Set media in a safe place until all maintenance is complete.
6. Wash out reservoir thoroughly using a soft bristle brush. Use plenty of water to remove algae growth. Clean areas around pump, strainer and float to ensure no algae growth remains.
7. Rinse thoroughly after using any cleaning solutions on the interior or exterior of the unit.

Water System Pump

1. The non submersible, self-contained water pump has a mesh strainer that should be rinsed with clean water occasionally to prevent buildup of debris or corrosion. When reattaching the mesh ensure nothing interferes with free movement of the parts. To avoid premature pump failure, take care that water does not enter the pump body during cleaning.
2. Ensure hose connection to pump is in good condition.

Water Float

3. The float level is factory set for optimum performance; however moderate adjustments can be made by bending the float arm for a different water level.
4. The maximum recommended water level is approximately two inches (the height of the overflow fitting).



Water Distributor

1. Inspect the water distribution section to ensure all orifices are clear.
2. Verify the hose connections are in good order and no kinks or tears are present.

Water Drain Overflow

3. On the bottom of the cooler, unscrew the plastic nut holding the overflow drain in place. Push the drain up into the cooler base to allow rapid draining. Check the condition of the gasket at the bottom of the fixture. When reinstalling, ensure the standpipe fixture is secure and there is no leakage after the reservoir is filled.

NOTE: If during usage of the cooler you start noticing low saturation of pads and insufficient cooling, or leakage from the cooler, check the gasket at the base of the standpipe. This is the most likely cause of leakage on this unit.

Optional Water Purge Pump

4. If a purge pump has been installed on the MCP series, check that the purge pump and strainer are corrosion-free with freely moving parts.

Media Pad Replacement

5. When the media pads have become encased with mineral buildup, broken or damaged, replace them with Genuine Munters GreenGuard CELdek® replacement pads, model MCP44-PAD. You may purchase them by calling 800.643.8341.

NOTE: Whenever the back is removed from the cooler, always verify the water supply tube is reconnected to the water distribution tray before operating the cooler.

WINTERIZATION

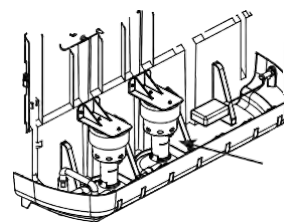
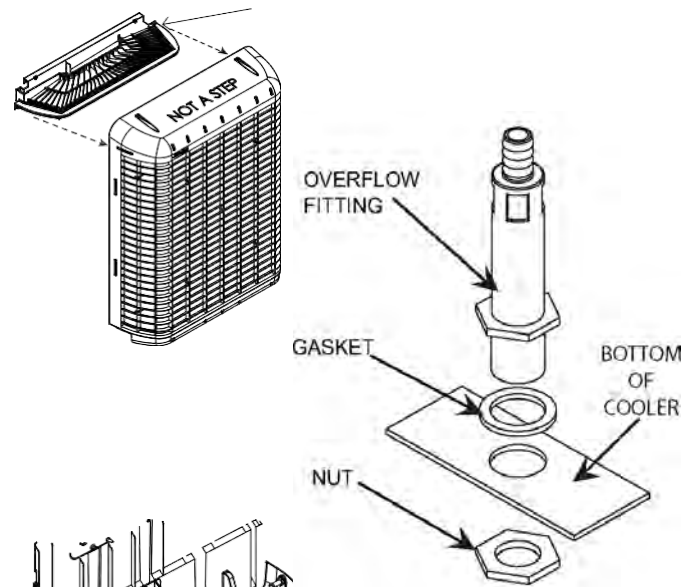
The MCP series cooler is durable enough to be left installed during the winter, though a few precautions must be taken to ensure no water freezes in the unit or lines.

If the temperatures in your area drop well below freezing it may be wise to remove the water supply line from the outside faucet.

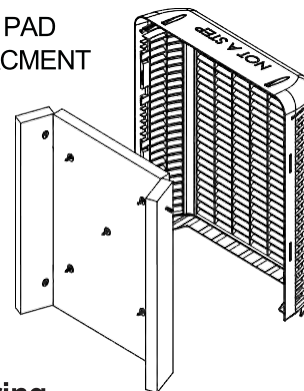
Draining

1. Turn off and unplug cooler.
2. Turn the water supply to the cooler off.
3. On the bottom of the cooler, unscrew the plastic nut holding the overflow drain in place. Push the drain up into the cooler base to allow rapid draining.
4. Remove four screws securing the back media guard then lift it up and remove to access interior of unit.
5. Soak up any remaining water and ensure all water is drained from both the water pump and purge pump (if installed).
6. Disconnect and drain the water hoses and water distributor.
7. Replace the media guard with four screws

WATER DISTRIBUTOR

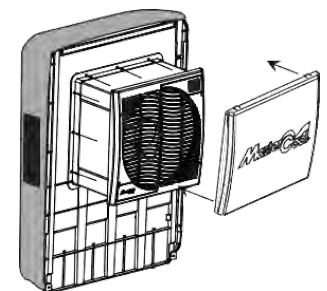


MEDIA PAD REPLACEMENT



Covering

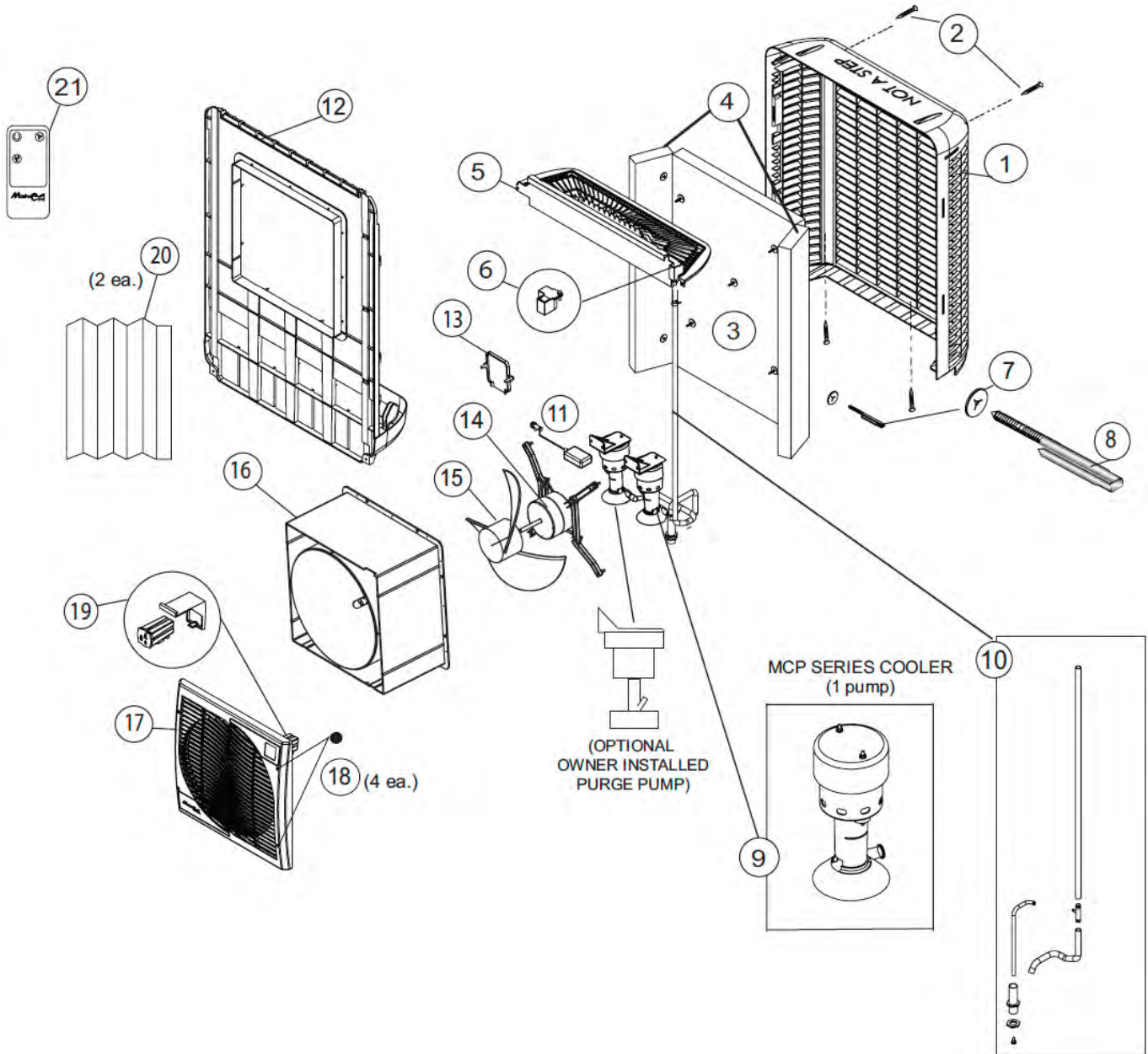
1. An optional weatherproof exterior fitted cover (MCP44-EC) is available for purchase online at championcooler.com, retail outlets or by calling 800.643.8341.
 - a. Use the elastic corners and straps to secure the cover onto the back of the unit.
2. An interior grille cover (MCP44-IC) is included with model MCP44E. Use the cover to keep air from entering the home through the window. Cover is available for purchase online at championcooler.com, retail outlets or by calling 800.643.8341.
 - a. Use the snap-on clips molded into the cover to secure the cover to the grille.



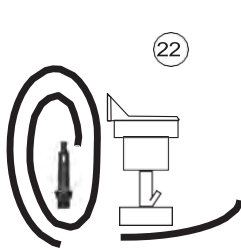
TROUBLE SHOOTING CHART

PROBLEM	PROBABLE CAUSE	SOLUTION
Unit will not start	<ul style="list-style-type: none"> a. No Power b. Tripped circuit breaker c. Blown home fuse d. Electrical fault 	<ul style="list-style-type: none"> a. Verify unit plugged in; and outlet is functional. b. Reset circuit breaker. c. Replace home fuse. d. Call customer support at 800.643.8341.
Insufficient cooling	<ul style="list-style-type: none"> a. Inadequate water distribution (pads not saturated) b. Pads dirty or covered with mineral deposits c. Unit is not level 	<ul style="list-style-type: none"> a. Check water distribution tray and hose for blockages. <ul style="list-style-type: none"> - Verify pump operating correctly. - Check water supply for correct flow. b. Wash dirt & deposits off pads or replace pads. c. Ensure the cooler is level.
Water in air stream	<ul style="list-style-type: none"> a. Water system has leaks or loose connections b. Water is not being absorbed by media pads, and entering straight into airflow 	<ul style="list-style-type: none"> a. Check all water connections, tubing, distribution tray for loose fittings, leakage or tears. b. Check condition of pads. Clean pads or replace as necessary.
High indoor humidity	<ul style="list-style-type: none"> a. Insufficient air flow b. Unsatisfactory exhaust 	<ul style="list-style-type: none"> a. Increase fan speed. b. Open doors or windows more.
Odor in home	<ul style="list-style-type: none"> a. Occurs initially when pads are first saturated b. Bacterial growth in reservoir c. Air intake is picking up ambient odor from surroundings 	<ul style="list-style-type: none"> a. This is normal and will dissipate shortly. b. Clean unit regularly. c. Remove source of odor or move cooler to another window.
Rapid mineral buildup on media pads	<ul style="list-style-type: none"> a. Hard water 	<ul style="list-style-type: none"> a. Install purge pump to reduce buildup. Increase maintenance cycle and wash off scale more often. Check orifices are clear of mineral buildup.

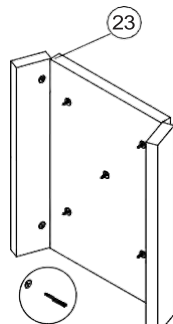
COOLER PARTS DIAGRAM



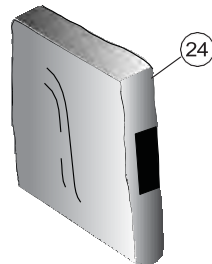
OPTIONAL ACCESSORIES



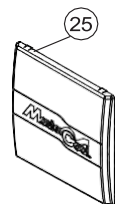
PURGE PUMP KIT



Kit includes full set
of media, pegs
and keepers
PAD REPLACEMENT KIT



EXTERIOR COVER



INTERIOR COVER

PARTS LIST

ITEM	DESCRIPTION	PART NUMBER
		Model: MCP Series
1	Cooler back/media guard	72243
2	Set of 4 screws for attaching back guard	72313
3	Back media pad; 2" X 24" X 35.5" Munters GreenGuard certified CELdek	72244
4	Side media pad; 2" X 5.88" X 35.5" CELdek (2 each)	72245
5	Water distributor tray	72249
6	Tray cap	72250
7	Media peg clip; window cooler; (sold individually)	72246
8	Media peg; window cooler; (sold individually)	72247
-	Media retainer kit - (9 clips and 9 pegs)	72839
9	Pump assembly for main water system (replacement)	73092
-	Pump bracket (replacement)	72296
10	Water distribution hose assembly	72256
11	Float valve	73049
12	Cooler body front	72242
13	Receptacle cover	72407
14	Fan motor	72428-M or 72842-M
15	Fan blade	72253
16	Fan housing	72251
17	Grille	72257
18	Grille screw caps (set of 4)	72260
19	Control module	72957
20	Vinyl accordion window panel (2 each)	72284
21	Remote control (IR- included with unit)	73275
OPTIONAL ACCESSORIES - Available for Purchase · Call 1.800.643.8341		
22	Purge pump kit	MCP44-PPK
23	Pad replacement kit	MCP44-PAD
24	Exterior cover	MCP44-EC
25	Interior grille cover	MCP44-IC

MASTERCOOL MCP SERIES COOLER ONE YEAR LIMITED WARRANTY

SALES RECEIPT REQUIRED AS PROOF OF PURCHASE FOR ALL WARRANTY CLAIMS.

This warranty is extended only to the original purchaser of this evaporative cooler when the unit is installed and used under normal conditions against defects in workmanship and materials as follows:

- One (1) year from date of sale on the unit, and
- Five (5) years on the evaporative media, which is considered a disposable component and should be replaced periodically, and
- Two (2) years on motor.

The manufacturer will replace the defective part/product, at its discretion, with return freight paid by the manufacturer. It is agreed that such replacement is the exclusive remedy available from the manufacturer and that TO THE MAXIMUM EXTENT PERMITTED BY LAW, THE MANUFACTURER IS NOT RESPONSIBLE FOR DAMAGES OF ANY KIND, INCLUDING INCIDENTAL AND CONSEQUENTIAL DAMAGE OR LOSS OF PROFITS OR REVENUES.

Exclusions from this warranty:

We are not responsible for any incidental or consequential damage from any malfunction, accident, misuse, alterations, unauthorized repairs, abuse, including failure to perform reasonable maintenance, normal wear and tear, nor where the connected voltage is more than 5% above the nameplate voltage.

Alterations include the substitution of name brand components including, but not limited to media pads.

We are not responsible for any damage from the use of water softeners or treatments, chemicals or descaling materials.

We are not responsible for the cost of service calls to diagnose the cause of trouble, or labor charge to repair and/or replace parts.

No employee, agent, dealer or other person is authorized to give any warranties or conditions on behalf of the manufacturer. The customer shall be responsible for all labor costs incurred.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

How to obtain service under this warranty:

Within the limitations of this warranty, purchaser with inoperative units should contact the dealer where you purchased the cooler. If for any reason you are not satisfied with the response from the dealer, contact Customer Service at 800-643-8341 for instructions on how to obtain service within warranty as listed above.

This warranty gives the customer specific legal rights, and you may also have other rights which vary from province to province, or state to state.

MasterCool is a register trademark of Essick Air Products and Champion Cooler Corporation. Please register your product at championcooler.com.



Customer Service Department
5800 Murray St.
Little Rock, AR 72209
800.643.8341
info@essickair.com

ESSICKAIR®

AIRCARE™ CHAMPION™ MasterCool™

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