SAVE THESE INSTRUCTIONS!

WARNING: To guard against injury, basic safety precautions should be observed, including the following: READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

- DANGER - To avoid possible electric shock, special care should be taken since water is employed in the use of water coolers. For each of the following situations, do not attempt repairs by yourself. Return the unit to your retailer or discard the unit.
- If the unit falls into the water, or water drips onto the unit, DON'T reach for it! First unplug it and then retrieve it. If electrical components of the unit get wet, unplug the unit immediately.
- Always unplug unit from an outlet when not in use, before putting on or taking off parts, and before cleaning. Never yank cord to pull plug from outlet. Grasp the plug fully and pull out to disconnect.
- Carefully examine the unit after replacement. It should not be plugged in if there is water on parts not intended to be wet.
- Do not operate any unit if it has a damaged cord or plug, or if it is malfunctioning or has been dropped or damaged in any manner.
- Do not use the AquaChill for anything other than its intended use. The use of attachments not recommended or sold by Sunleaves may cause unsafe conditions.
- Exposing the chiller/power cords to water may cause electrical short and fire.
- Do not allow water or salt to come in contact with thermostat or power cords.
- Do not operate AquaChill without water flow to the unit. This may cause the evaporator housing to freeze up and result in damage to the unit.

GROUND FAULT CIRCUIT INTERRUPTER PROTECTION

To comply with the National Electrical Code (NFPA 70), and to provide additional protection from the risk of shock, this unit MUST be connected to a ground fault circuit interrupter (GFCI) outlet at all times. Do not use extension cords. WARNING – To reduce the risk of electrocution, keep all connections dry and off the ground. Do not touch plug with wet hands!

INSTALLATION

1. Before removing your AquaChill water cooler from the box, please note any exterior shipping damage to the box. It is strongly recommended to keep the box and packaging material in the unlikely event there is shipping damage or service is required.
2. Remove the unit from the box and inspect thoroughly for any signs of damage, even if the box does not show damage. If you notice any damage (cracked or bent cover, damaged condenser, fins, etc…) please stop and contact your dealer immediately.
3. Make sure the unit is placed on a firm, level surface in a location that has plenty of ventilation. Do not use an extension cord.

The requirements for ventilation are:

- a) Back/Front: Condenser (radiator) requires at least 18” clearance to allow air into the unit.
- b) Sides: Requires at least 6” clearance to allow for proper air flow.
- c) Unit must not be placed in a closed closet or cabinet. If placing AquaChill under a cabinet, the cabinet MUST have a back opening at least 30" wide x 30" high for adequate ventilation.
- d) Keep warm air from the unit must be completely evacuated from the area. A fan may be necessary to draw warm air away from the unit. The maximum operating temperature is 95°F.

4. Insert desired hose connector into compression cap.
5. Place barb fitting on the inlet or outlet and tighten compression cap. Ensure that the gasket fits snug between the barb fitting and AquaChill.
6. Slide hose clamp over each piece of hose. Attach one hose to the inlet, secure with hose clamp, and route the other end to your submersible pump. Attach the other hose to the outlet, secure with clamp, and route to your reservoir.
7. Before turning on unit, ensure the following:
   - a) Make sure there is adequate water flow for proper operation.
   - b) After placing submersible pump into reservoir, make sure the pump will operate normally without any blockage.
   - c) Make sure the AquaChill is plugged into a GFCI protected 110V power outlet.
8. Turn on water pump and check for leaks.

IMPORTANT: Do not run AquaChill without water flow. Doing so may damage evaporator.
9. Set the temperature controller to the desired temperature as instructed below.

Note: It is recommended that the submersible pump being used with the AquaChill should be as far away as possible from any other pumps running inside your reservoir.

Setting Desired Temperature

Temperature Controller - AquaChill water coolers are equipped with an electronic temperature controller designed to provide precise control of cooling. Its easy-to-read display shows a readout of actual temperature, control settings, relay status and system diagnostics. The simple keypad allows programming of set point temperature and temperature differential.

Displaying current temperature and previous setting:

1. Press the SET button. The indicator light will appear and the display will automatically show the previous set temperature.
2. Press the SET button again, the indicator light will turn off and the current water temperature will be displayed.

Changing the temperature setting:

1. Press the SET button for three (3) seconds. The previous set temperature will be displayed.
2. Press up “+” button to increase temperature or press down “–” button to decrease temperature. The temperature must be set between 60-85 degrees F.
3. Confirm set temperature by pressing SET button again or waiting for 8 seconds. The current temperature will then be displayed when the unit begins to operate in normal mode.

Please Note: AquaChill water coolers have a built-in protection mode that can delay the cooling mode operation for up to three (3) minutes.

Temperature differential (amount temperature of water can vary from set temp):

- The temperature differential is automatically set to two (2) degrees F as a default.

To change differential:

1. Press and hold the “Set” button for 10 seconds – “CA” will appear on the display.
2. Press up “+” button to increase temperature differential or press down “–” button to decrease temperature differential.

2A. Model 317 has “▲” and “▼” instead of “+” and “–”.

9. Turn on unit to begin operation for up to three (3) minutes.

Note: AquaChill water coolers have a built-in protection mode that can delay the cooling mode operation for up to three (3) minutes.

Temperature differential (amount temperature of water can vary from set temp):

The temperature differential is automatically set to two (2) degrees F as a default.

To change differential:

1. Press and hold the “Set” button for 10 seconds – “CA” will appear on the display.
2. Press up “+” button to increase temperature differential or press down “–” button to decrease temperature differential.
2A. Model 317 has “▲” and “▼” instead of “+” and “–”.

Configurations with larger water flow rates (indicated in parentheses) require larger pumps:

| 132 SDH220 or larger (> 235 GPH) |
| 264 SDH240 or larger ( > 475 GPH) |
| 317 SDH240 or larger ( > 525 GPH) |

Recommended Sunleaves pump based on flow rate:

1. Press the SET button for three (3) seconds. The indicator light will appear and the display will automatically show the previous set temperature.
2. Press up “+” button to increase temperature or press down “–” button to decrease temperature. The temperature must be set between 60-85 degrees F.
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Sunleaves Limited Warranty Information

Sunleaves Garden Products (‘Sunleaves’) provides warranty to the original purchaser of this Sunleaves AquaChill Water Cooler, for a period of one (1) year from the date of purchase, as may be applicable, to be free of defective materials and workmanship. If Sunleaves, in its sole discretion, determines that the components are defective in material or workmanship then Sunleaves, at its option, will either repair or replace the components at authorized repair centers provided, however, that (1) a copy of the original proof of purchase for this product by the original purchaser is delivered to Sunleaves or its authorized repair center, (2) the components have not been tampered with, disassembled, repaired by unauthorized persons, or altered, or (3) the components have not been damaged as a result of commercial use, lack of reasonable and proper maintenance, abusive, unreasonable use or supplemental damage. In no event shall the cost of repair or replacement exceed the original purchase price.

SUNLEAVES SHALL NOT BE RESPONSIBLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE, INCLUDING WITHOUT LIMITATION, DAMAGE OR INJURY CAUSED TO OTHER PRODUCTS, MACHINERY, BUILDINGS, PROPERTY, LOST PROFITS, LOSS OF TIME, LOSS OF PRODUCT OR INCONVENIENCE. SUNLEAVES FURTHER DISCLAIMS ANY IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

To obtain warranty service, return the unit to the place of purchase in accordance with store policy, or to Sunleaves Garden Products within the guidelines of the Return Authorization Process. The Return Authorization Process will be outlined for you when you contact Sunleaves Garden Products at the phone number or email address below.

Sunleaves Garden Products
7854 North State Road 37
Bloomington, IN 47404
Phone: 888-464-9676
Email: info@sunleaves.com

Sunleaves Product Warranty Claims:
In the event that your unit fails to operate, we recommend first returning it to the place of purchase. Often times the supplier will be able to examine the unit in closer detail, determine the problem, and even fix it on site.

If the dealer is unable to resolve the problem, or if you prefer to deal directly with Sunleaves Garden Products, simply follow these instructions:
1. Call our Return Authorization Department toll-free at 888-464-9676 to obtain a Return Authorization number for warranty service as well as the shipping address to send your unit in for repairs.
2. Carefully package problem unit or units. BE SURE TO WRITE YOUR RETURN AUTHORIZATION NUMBER ON THE OUTSIDE OF THE PACKAGE.
3. Complete the form below and enclose it with your shipment along with a legible copy of your properly dated sales receipt. Because Sunleaves is not responsible for units damaged in shipping, we recommend insuring your package. Note: Warranty claims which are not clearly marked with your Return Authorization Number will be returned unopened to sender. Please allow eight to ten weeks for the return of your unit.

Don’t forget to include the following items if you are returning your unit directly to Sunleaves:
• Legible copy of your properly dated sales receipt
• Return Authorization number on outside of package
• This completed form

Return Authorization number (required): 

Name: 
Address: 
Phone #: 
Email Address: 
Explain the problem: 

Note: This form is available at www.sunleaves.com on the product information page for each covered product. 06/2007