

PRIME TOWER™

Inline Chiller

Instructions for Models
#2645,2646

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JEE 07/05



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WHAT'S NEXT

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SAFETY 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 aquarium equipment. For each of the following situations, do not attempt repairs by yourself. Return the appliance to your retailer or discard the appliance.

- If the appliance 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 appliance get wet, unplug the appliance immediately.
- Always unplug appliance 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 appliance after replacement. It should not be plugged in if there is water on parts not intended to be wet.
- Do not operate any appliance 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 Prime Tower Chiller for anything other than its intended use. The use of attachments not recommended or sold by Current USA may cause unsafe conditions.
- Exposing 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 chiller without water flow to the unit. This may cause the evaporator housing to freeze up and result in damage to the unit.

SAVE THESE INSTRUCTIONS

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.

CHILLER INSTALLATION

1. Before removing your Prime Chiller 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 chiller and controller 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 chiller is placed on a firm, level surface in a location that has plenty of ventilation and will not be exposed to salt or saltwater. Do not use an extension cord for the chiller or the thermostat.

THE REQUIREMENTS FOR VENTILATION ARE:

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

INSTALLATION:

4. The chiller includes both 3/4" and 5/8" hose barb fittings. Insert desired hose connector into compression cap.
5. Place barb fitting onto inlet or outlet and tighten compression cap. Ensure that the gasket fits snug between the barb fitting and chiller.
6. Slide hose clamps onto hose. Attach hose to inlet/outlet barb fitting and tighten hose clamp.
7. Before turning on chiller, ensure the following:
 - a) The chiller must have adequate water flow for proper operation.

<u>Model</u>	<u>HP</u>	<u>Min/Max Flow</u>
2645	1/4	5-10 gpm
2646	1/3	6-12 gpm

- b) Make sure the pump will operate normally without any blockage.
 - c) Make sure the chiller is plugged into a GFCI protected 110V power outlet.
7. Turn on water pump and check for leaks. **IMPORTANT: Do Not Run Chiller without water flow. Doing so may damage evaporator.**
 8. Set the temperature controller to the desired temperature as instructed in Programming



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WHAT'S NEXT

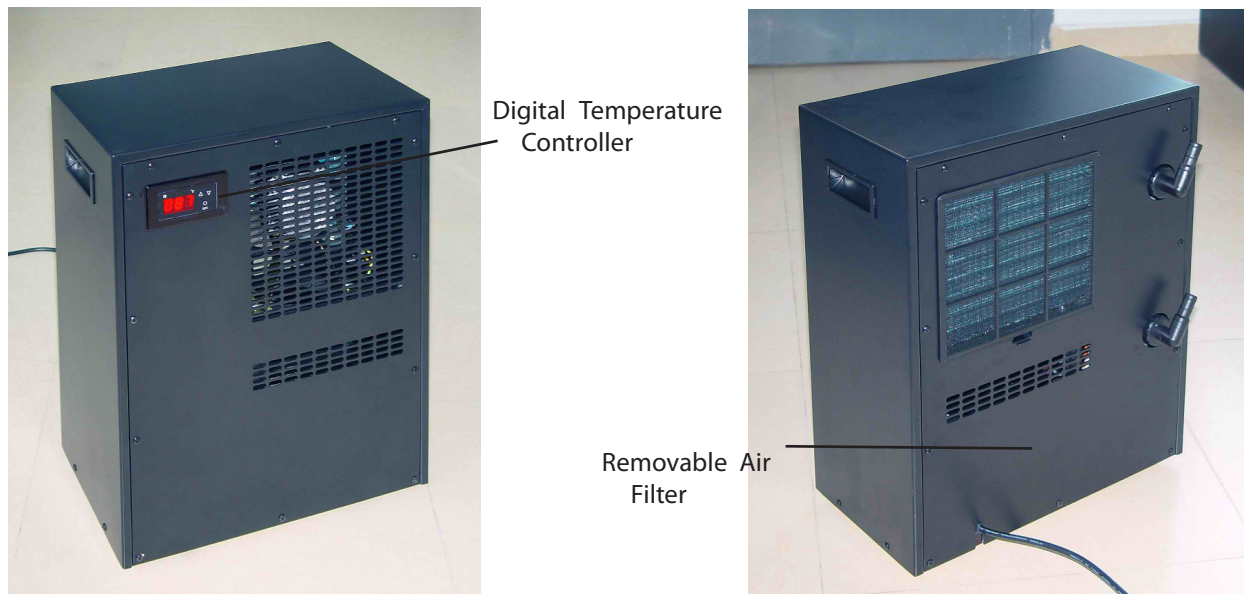
CHILLER INSTALLATION

NOTE:

IF CHILLER IS INSTALLED UNDERNEATH A STAND OR CABINET, THE FURNITURE MUST HAVE AN OPENING IN THE BACK FOR PROPER VENTILATION. A MINIMUM OPENING OF 30"L X 30"W IS RECOMMENDED.

IF CHILLER IS INSTALLED NEXT TO OR NEAR A WALL, ALLOW A MINIMUM SPACE OF 18" FROM THE FRONT AND BACK OF CHILLER FOR PROPER AIR VENTILATION.

PROPER VENTILATION IS KEY FOR OPTIMUM PERFORMANCE AND EFFICIENCY.



MAINTENANCE:

WARNING: ALWAYS DISCONNECT CHILLER BEFORE CLEANING OR PERFORMING ANY MAINTENANCE

MONTHLY:

Vacuum any dirt or debris from front cover. Remove air filter and vacuum rinse with cold water. Air dry and replace.

Clean any salt creep that may build up on unit with freshwater.

TEMPERATURE CONTROLLER SPECIFICATIONS/INSTALLATION

PRIME CHILLER TEMPERATURE CONTROLLER

The electronic temperature controller is designed to provide on/off control of cooling. It is equipped with an easy to read Liquid Crystal Display (LCD) that displays a constant 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 aquarium temperature will then be displayed when chiller begins to operate in normal mode.

Please Note: The chiller has a built-in protection mode that can delay the cooling mode operation for up to three (3) minutes.

TEMPERATURE DIFFERENTIAL

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

TROUBLE SHOOTING

P1 Error - Indicates sensor needs replaced or that water has come in contact with controller. Unplug unit and allow it to try completely before re-starting up. If P1 error continues, contact your dealer for a replacement temperature sensor.

Temperature Error - if the digital display reads an unusual temperature reading (like 122 F), it indicated a temperature sensor malfunction. Contact your dealer or Current-USA for a replacement temperature sensor.

REGISTERING YOUR PRODUCT

Product registration can be found on the web at www.current-usa.com.

WARRANTY

CURRENT USA, INC. ONE-YEAR LIMITED WARRANTY

Current USA, Inc. warrants this product against defects in materials and workmanship for a period of ONE (1) YEAR from the date of original retail purchase. Light Bulbs carry a 3 month warranty.

Note: Current-USA, Inc. One-Year Limited Warranty does not cover damage caused by the following: Improper installation, saltwater corrosion, and electrical surges.

Warranty on all Products, including Aquariums, is limited to replacement of the product and does not cover fish loss, personal injury, property loss or direct, incidental or consequential damage arising to the use of this product.

If you discover a defect, Current USA, Inc. will, at it's option, repair or replace the product at no charge to you, provided you return it during the warranty period. It is required that you present this warranty card and a copy of the bill of sale as proof of original purchase date, in the event the product needs repairs, within the warranty period. Please see your dealer for return options. This warranty applies only to products by or for Current USA, Inc. that can be identified by trade name, or logo affixed to them. Current-USA, Inc. does not warrant any products that are not Current-USA, Inc. products. This warranty does not apply if the product has been damaged by accident, abuse, misuse or misapplication or if the product has been modified without the written permission of Current-USA, Inc.; or if any Current-USA, Inc. logos have been removed or defaced.

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