



TH-C SERIES TITANIUM AQUARIUM HEATER W/ CONTROLLER

Model	TH-C500	TH-C400	TH-C300	TH-C200	TH-C100
Wattage	500W	400W	300W	200W	100W
Voltage/ Freq	110-120V/ 60Hz	110-120V/ 60Hz	110-120V/ 60Hz	110-120V/ 60Hz	110-120V/ 60Hz
Capacity	Up to 150 Gals	Up to 125 Gals	Up to 100 Gals	Up to 55 Gals	Up to 35 Gals
Height	38cm / 15 in	35cm / 13.8 in	27cm / 11.4 in	26cm / 10.2 in	16cm / 6.3 in

AQUATOP 180 DAY LIMITED WARRANTY

Products are warranted by AQUATOP® Aquatic Supplies to the original purchaser against defective material and workmanship under normal use for a period of 180 days from the date of the original purchase. Products have no warranty if: 1.) The product has been serviced, modified or tampered with by anyone other than AQUATOP Aquatic Supplies, 2.) The product has been abused or damaged (including broken or cracked bulbs), and/or 3.) The product has been transported without proper packaging.

FOR MORE INFORMATION ON TANK HEALTH AND MAINTENANCE AS WELL AS OTHER PRODUCTS CARRIED BY AQUATOP, VISIT OUR WEBSITE: WWW.AQUATOP.COM

WARRANTY LIABILITY DISCLAIMER

In no event will Aquatop® be liable for any consequential or incidental damages, including but not limited to, lost sea life, personal injury, property damage, equipment damage, lost profits, lost wages, lost savings, lost income, etc., arising out of the use of any Aquatop Heater.



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TH-C Manual 2015

OWNER'S MANUAL



THANK YOU FOR CHOOSING AQUATOP'S TH-C SERIES OF FULLY SUBMERSIBLE TITANIUM HEATERS WITH EXTERNAL THERMOSTAT CONTROLLER. THE TH-C SERIES OFFERS A COMPACT DESIGN FOR VERSATILE PLACEMENT AND ARE VIRTUALLY UNBREAKABLE DUE TO THEIR TITANIUM HEATING ELEMENT CONSTRUCT. ALL UNITS HAVE A REMOTE SENSOR THAT CAN BE PLACED AWAY FROM THE TITANIUM HEATING ELEMENT ENSURING A CORRECT AND ACCURATE TEMPERATURE READING THROUGHOUT AN AQUARIUM. THE REMOTE EXTERNAL THERMOSTAT HAS AN EASY TO READ TEMPERATURE INDICATOR AND IS SIMPLE TO ADJUST THE TEMPERATURE SETTING WITHOUT GETTING YOUR HANDS WET. AQUATOP'S TH-C SERIES IS SUITABLE FOR BOTH FRESHWATER AND SALTWATER USE.

To guard against injury, basic safety precautions should be observed, including the following:

READ ALL SAFETY INSTRUCTIONS BEFORE USE.

DANGER

To avoid possible electric shock, special care should be taken since water is employed around the use of this product. For each of the following situations, do not attempt to repair yourself: return the appliance to an authorized service facility for service or discard the appliance.

NOTE: It is your sole responsibility to verify that the plug and the receptacle are clean and free of moisture and salt buildup at all times. The receptacle must be free of water, salt, calcium, magnesium and dust. Failure to do so can cause fire, damage to property, and permanent damage to the product and personal injury not limited to loss of life.

NOTE: Before installing the unit, check for any signs of damage to the device. If there are any signs of damage to the device, power cable or plug, do not use and return to place of original purchase.

SAFETY INFO

1. Read and follow all instructions.
2. A drip loop must be used with all electrical aquarium devices. A drip loop is a self-made part of the cord hanging below the receptacle. (See Fig.1).
3. A GFCI (Ground Fault Circuit Interrupter) should be used in the branch circuit supplying all power to water pumps and electrical aquarium equipment. If you do not have a GFCI, we strongly recommend having a qualified electrician install one prior to operating any aquarium component.
4. Do not plug into extension cord/power strip.
5. Use this product for its intended use only.
6. Never yank or pull the cord from the electrical outlet.
7. Do not operate if the plug or wire is damaged.
8. Verify that hands are dry prior to disconnecting the power.
9. To reduce the risks of electrocution, keep all connections dry.
10. For indoor use only.
11. Make sure no part of the titanium heater touches the gravel, substrate, decorations or any other appliance located in, near or around the unit.
12. In case of product malfunction, never attempt to open up the heater or to fix the heater. In the event of product malfunction return the unit to the vendor of original purchase.
13. Check device for any signs of damage before use.
14. Never allow the Temperature Controller/Thermostat to come in contact with water/moisture. If the Temperature Controller/Thermostat comes in contact with water/moisture, unplug the unit from the power supply before removing to avoid electrical shock and/or permanent failure of the unit.
15. Do not use soaps or detergents when cleaning this device. Thoroughly clean and rinse with warm water and make sure the device is completely dry before connecting.
16. Do not operate heater outside of aquarium water.
17. Always disconnect the heater from the power supply prior to maintenance of the aquarium.
18. When removing the heater from the aquarium, the heater must be unplugged for 30 minutes prior to removal.
19. Install the heating element and sensor in the main body of the aquarium only.
20. Do not place heater in filtration compartment.
21. Keep this product away from children.

1. Check heater for any signs of damage before use.
2. Attach suction cups to the heater at the upper half of heating unit.
3. Mount heater vertically inside aquarium using suction cups. Choose a location with good water flow. Heater must be fully submerged at all times while in operation.
4. Attach a suction cup to the external temperature sensor and mount the sensor on the aquarium wall at least 2" away from the side of the heater. The external temperature sensor must also be fully submerged while in operation. (Note: Installing the temperature sensor at the furthest allowable distance from the heater will ensure the most accurate temperature readings.)
5. Wait at least 15 minutes before plugging in your heater. This allows the heating unit to adjust to the current temperature of the aquarium water.
6. Create a drip loop. Then plug the heater into an electrical outlet (Fig.1).

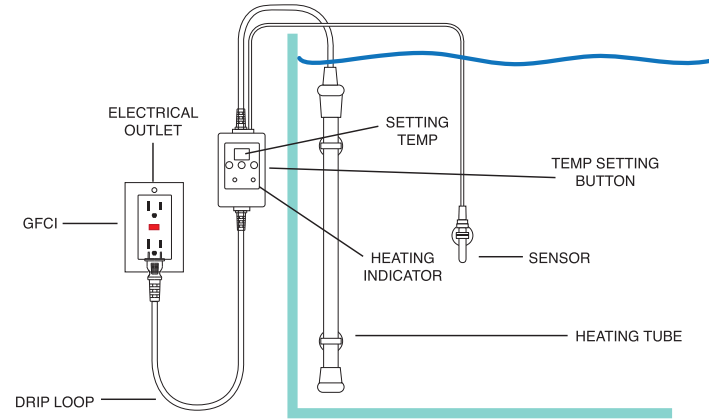


Fig.1

7. To set heater temperature, use the temperature control buttons located on the wired controller. Most tropical fish prefer temperatures around 76-82°F.
 - a. Heater automatically turns on when the unit is plugged in.
 - b. Press the ON/OFF/SET button once to enter SET MODE. The target temperature display will begin to flash indicating that the heater is in SET MODE.
 - c. In SET MODE, press the UP/DOWN temperature control buttons continuously until the desired target temperature setting is reached.
8. When the red indicator light is on, this indicates that heater is on and heating the water.
9. When red indicator light is off, the heater has reached the desired temperature setting.

NOTE: The temperature setting ranges from the highest temperature of 92 degrees to the lowest of 68 degrees.

- d. To return to NORMAL MODE, press the ON/OFF/SET button once, or do not press any buttons for 4 seconds.
- e. To turn off the heater, press and hold the ON/OFF/SET button for 4 seconds, or until the digital display and green indicator light powers off.

NOTE: Check the temperature of the aquarium water periodically with an accurate thermometer to ensure the heater is operating accurately (accordingly) to your temperature settings.

NOTE: This heater can be fully submerged in water; however, Aquatop recommends avoiding complete submersion whenever possible.

NOTE: This heater is accurate within +/- 1.8 degrees. A deviation of +/- 2 degrees on the temperature readout can occasionally occur. Always set the heater temperature in accordance with an accurate thermometer.