

MODEL	WATER VOLUME	ELEMENT LENGTH/DIAMETER
100W	UP TO 40G	10.25" / 1"
200W	UP TO 75G	10.25" / 1"
300W	UP TO 100G	10.25" / 1"
600W	UP TO 200G	14" / 1"

MAXIMUM WATER IMMERSION DEPTH: 4'

CABLE LENGTH: 6'

LINE VOLTAGE: 110 V/60 Hz

PROTECTION CLASS: IP 68



Read this operating manual completely through before using the heating element. Keep this manual where it is safe and accessible. If you make the heating element available to a third party, provide this operating manual along with the heating element. Failure to comply with the instructions in this manual can result in personal injury and material damage. We assume no liability whatsoever for personal injury and material damage due to failure to comply with the instructions in this operating manual.

Note/Caution: this heater is for aquarium use only and requires a temperature controller

OPERATION

Unpack the entire contents and ensure that the heater and accessories are complete and undamaged. If any damage or defects are identified, please contact Bulk Reef Supply immediately.

- 1** Ensure that the power of the heating element is appropriate for the volume of water that will be heated.
- 2** Pay attention to the minimum immersion depth when installing. The element can be damaged if it is not completely surrounded by water. Note the minimum water level marker when installing vertically; this is the minimum point to which the heating element must be immersed in the water. For horizontal installation, ensure that the heating element is always fully immersed.
- 3** Slide the supplied suction cup holders onto the heating element.
- 4** It is possible to attach the heating element in any desired position below the surface of the water, using the supplied suction cup attachments. Press the heating element with the holders into the desired position on a clean surface of your sump or aquarium. Note: The suction cups do not adhere to uneven, dirty surfaces, and the heater may fall off. Surfaces and equipment can be damaged from prolonged direct contact with the heating element.
- 5** Plug the power plug of the heating element into a suitable temperature controller.

MAINTENANCE

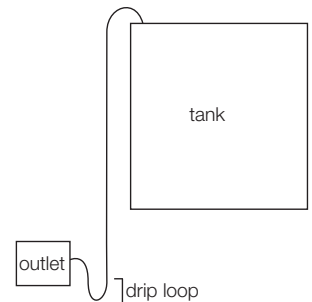
Safety Note: Prior to performing any work, disconnect the heating element from the power supply. To do this, unplug the power plug from the socket and allow the heating element to cool before reaching into the aquarium.

- The controller and heating element should be inspected during regular aquarium maintenance to ensure proper operation. Remove any deposits from the heating element with a suitable brush so there is no encrustation and damage to the heating element.
- A 20 to 30 minute soak in a dilute vinegar or citric acid solution can assist in removing stubborn mineral deposits. Do not use any harsh cleaning chemicals. Rinse the equipment thoroughly before returning to the aquarium. If the power cord is damaged replace the entire heating element, as the power cord cannot be replaced separately.

SAFETY INSTRUCTIONS

WARNING: The heating element is operated with electric power and generates high operating temperatures that can cause burn injuries and material damage if there is contact with the heating element. The connections of the heating element are not designed for outdoor use.

- Use a temperature controller to prevent uncontrolled heating of the element.
- Only use the heating element in enclosed, dry areas.
- Protect the power plug from moisture, and utilize a drip loop in the power cord to prevent water from entering the outlet.
- Only operate the heating element in conjunction with a ground fault circuit interrupter.
- Prior to performing any work, disconnect the heating element from the power supply. To do this, unplug the power plug from the socket and allow the heating element to cool before reaching into the aquarium.
- Allow the heating element to cool to ambient temperature before you touch it.
- Only grasp the heating element on the cap.
- Do not leave the heating element unattended if children or persons who cannot assess the hazards are in the vicinity.
- The heating element is not designed to be used by persons (including children) with limited physical, sensory, or mental capacities, or lack of experience and/or knowledge, unless such persons are supervised by a person responsible for their safety, and have received instructions on how to operate the device from the person responsible for their safety.



DISPOSAL

When the device has reached the end of its service life, dispose of the heating element and all accessories as specified by applicable environmental regulations. Electrical waste should not be disposed of together with household waste.

WARRANTY

We provide a guarantee of 36 months from the date of purchase. Within the guarantee period we will provide replacement at no charge for product failure due to material or manufacturing faults. Guarantee performances do not extend or renew the guarantee period. Defects in consumable accessories or parts subject to wear, as well as cleaning, maintenance or replacement of wear parts do not fall under the guarantee. The customer is fully responsible for proper installation and regular maintenance. Bulk Reef Supply cannot be held liable for damage to other equipment or household caused by product failure. There are no other warranties including warranties on particular uses which extend beyond what is described above. To receive warranty service the customer must contact us at support@bulkreefsupply.com and receive a RMA number and form. You may be required to ship the product back for proper inspection and replacement.

