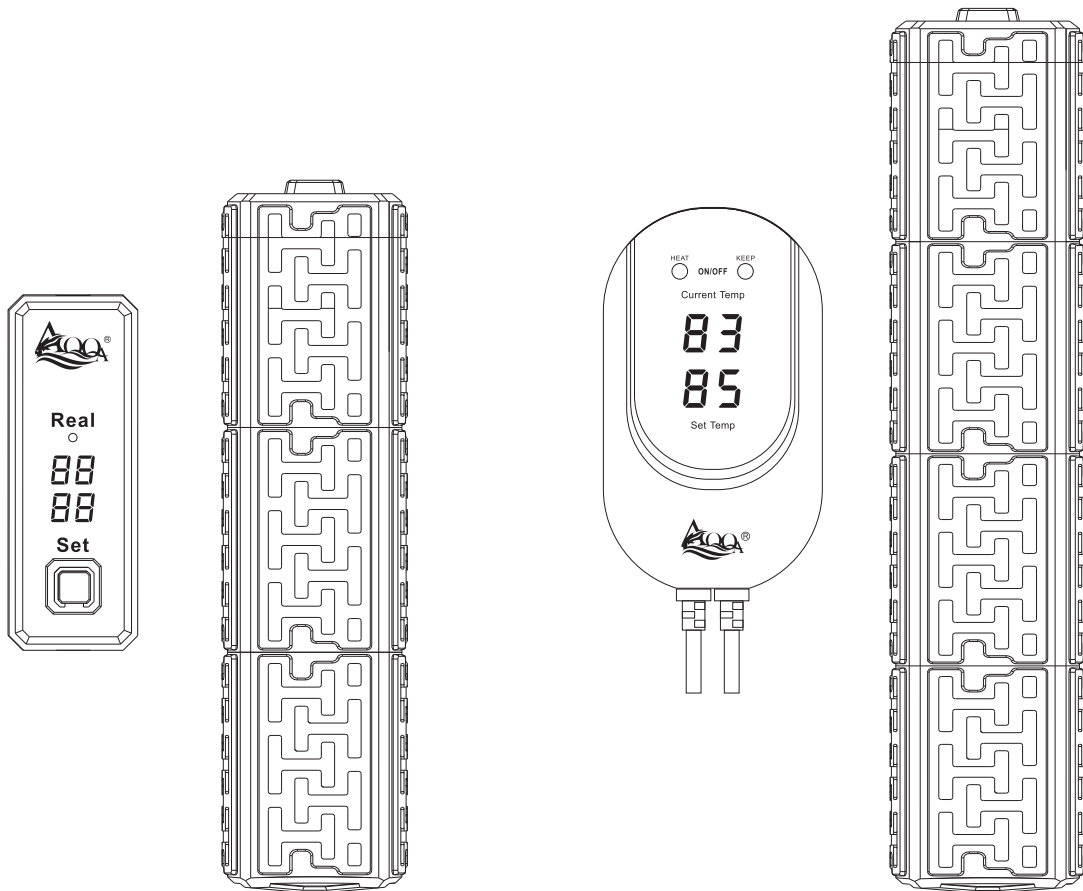




# AQ143 USER MANUAL

## AQQA Intelligent Quartz Glass Aquarium Heater



50W/150W

250W/400W/500W/800W

AQQA Intelligent Quartz Glass Aquarium Heater is a high-quality heating equipment specially designed for freshwater and saltwater aquariums. It provides fast and efficient heating to ensure the aquarium maintains an optimal temperature for precise temperature control and offers intelligent heating and thermostat functions. The AQQA Intelligent Glass Aquarium Heater provides reliable performance for aquarium enthusiasts.

## **Reminder:**

1. The heater must be fully submerged when it is in operation.
2. Please ensure enough water flow and circulation in your fish tank when using the heater.
3. Do not bury it under gravel; it does not conduct heat.
4. To ensure even and thorough distribution of warm water and to provide an accurate temperature reading, it is recommended that the heater be placed in an area of the unit that is unobstructed and has an unobstructed flow of water, such as near a filter or pump outlet.
5. Unplug the heater and wait 15 minutes before changing the water or removing the heater from the aquarium.
6. Do not use detergents or other chemical cleaners.
7. For aquarium use only; do not use in the bathroom.

## **1. PRODUCT FEATURES**

**Rapid and Safe Heating:** The heater is made of high-performance quartz glass tubes and silicon carbide heat-conducting material, and the powerful heating wire can heat water quickly and safely.

**Precise Temperature Control:** When the current water temperature is below 1°F/ 1°C, the indicator light turns red and starts heating. The temperature range of the heating rod is 59-93°F (15-34°C).

**Accurate Dual Digital Display Controller:** The high-definition dual digital display on the controller shows the set temperature and real-time water temperature with an accuracy of 1 °F/1 °C.

**Fahrenheit and Celsius Switch:** Press the controller for 8s to switch between Celsius and Fahrenheit units.

**Easy Operation:** Simply plug the heater into an outlet and start using it.

The external touch controller allows for convenient temperature adjustment. Each touch changes the set temperature by 1°F/1°C.

**Automatic Switch-off When Running Out Of Water:** If the heater bar is exposed to air, the heater will automatically shut off and display error code “E1”. The heater will return to normal when fully immersed in the water. When the temperature exceeds 95°F, the high-temperature protection feature triggers the error code “HH.”

**Memory Function:** The heater retains the previous temperature settings; there is no need to reset the temperature after a power outage.

**High-Temperature Resistant Safety Cover:** The ABS plastic cover is resistant to high temperatures and easy to clean, ensuring the safety of fish and other aquatic life.

## 2. PRODUCT SPECIFICATIONS

<b>Model</b>	AQ143					
<b>Power</b>	50W	150W	250W	400W	500W	800W
<b>Volt/Freq</b>	US STANDARD: AC 110V-120V/60Hz EU/UK/AU STANDARD: AC 220-240V/50Hz					
<b>Cord length</b>	3.8ft+0.8ft (1.15m+0.25m)		3.9ft+2.6ft (1.2m+0.8m)			
<b>Application</b>	3~10gal (11~38L)	15~30gal (57~115L)	30~50gal (115~190L)	50~100gal (190~380L)	80~130gal (300~500L)	120~220gal (450~830L)
<b>Temp accuracy</b>	$\pm 1^{\circ}\text{F}$ / $\pm 1^{\circ}\text{C}$					
<b>Control range</b>	59°F~93°F / 15°C~34°C					
<b>Temp Controller Dimension</b>	3.8 x 1.4 x 0.9inches 9.6 x 3.5 x 2.2cm		4.6 x 2.8 x 1.3inches 11.8 x 7.0 x 3.3cm			
<b>Heating Rod Dimension</b>	4.7*1.4inches 12*3.5cm	6.7*1.4inches 17*3.5cm	8.7*1.4inches 22*3.5cm	10.6*1.4inches 27*3.5cm	10.6*1.4inches 27*3.5cm	12.6*1.4inches 32*3.5cm

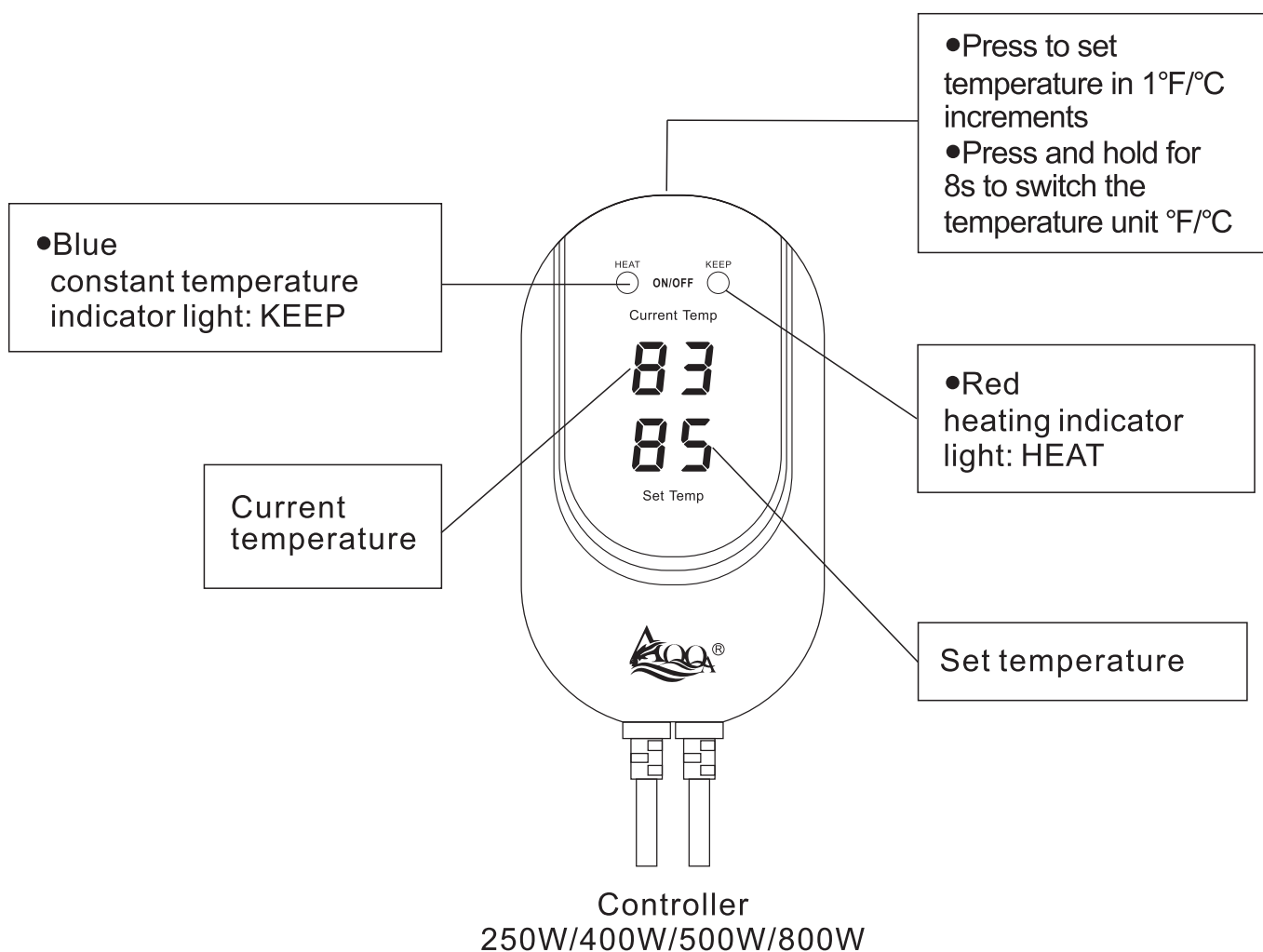
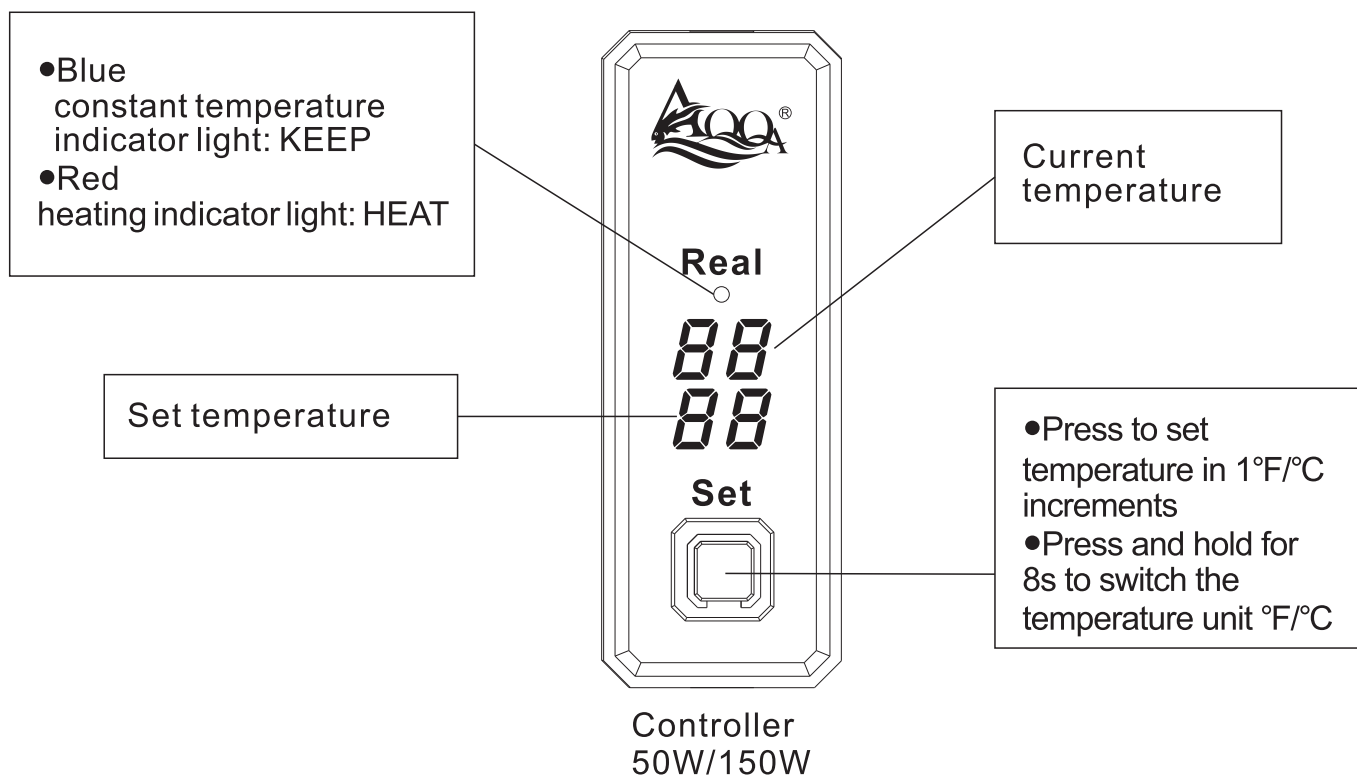
## 3. ERROR CODE COMPARISON TABLE

	Error Codes	Explanations	Solutions
LED controller code display	E1	Power off when out of water	Ensure the heating rod is fully submerged in water
	EE	Temperature difference between two probes exceeds 5°F	Do not use it, contact the seller, and replace it with a new product
	LL	Water temperature below 59 °F (15°C)	Wait for the water temperature to rise above 59 °F (15°C)
	HH	Water temperature exceeds 95 °F (35°C)	Wait for the water temperature to drop to 95 °F (35°C)

## 4. PACKING LIST

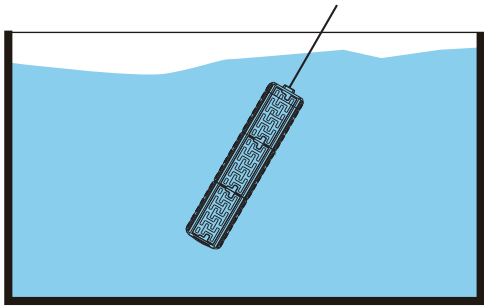
- 1 x Aquarium heater
- 2 x Suction cup
- 1 x User manual

## 5. INSTRUCTION

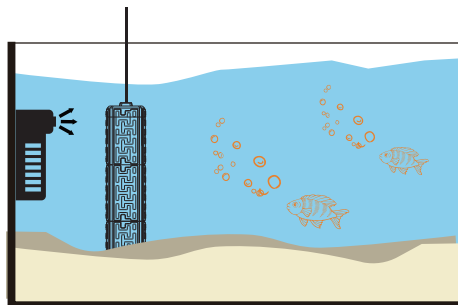
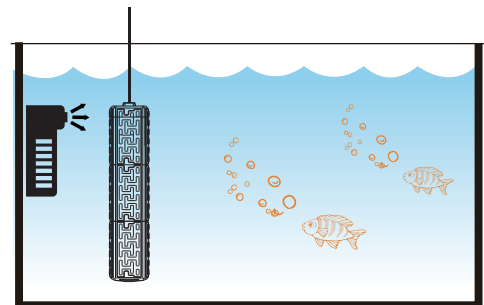
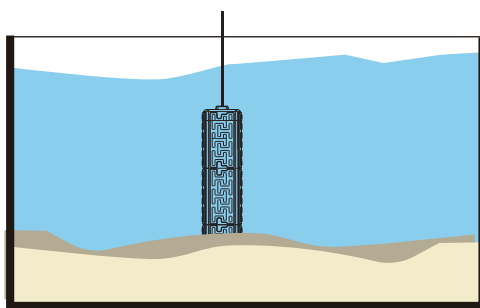
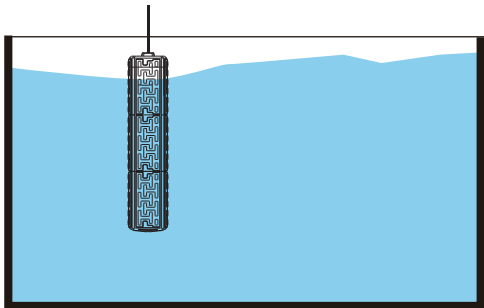




**A.Place the heater as shown in the following diagram:**

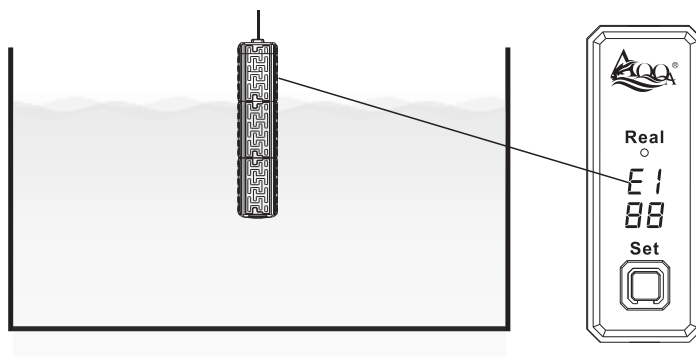


Recommended to be placed  
at an angle of 30°-45°



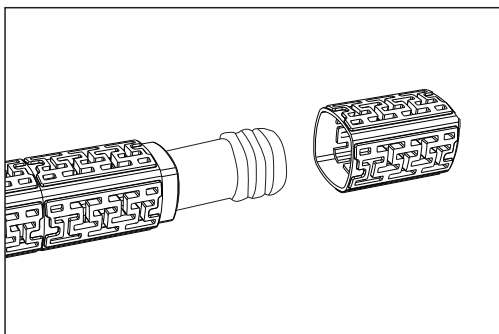
**B.Digital display models**

1.Out of water alert: When the heating rod is out of the water (at least 2.4 inches), the digital display will show the error code “E1” and does not send a warning signal.

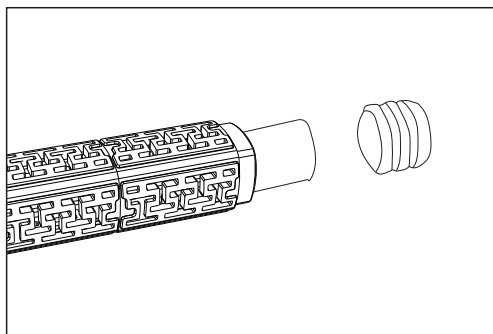


## 6. CLEANING

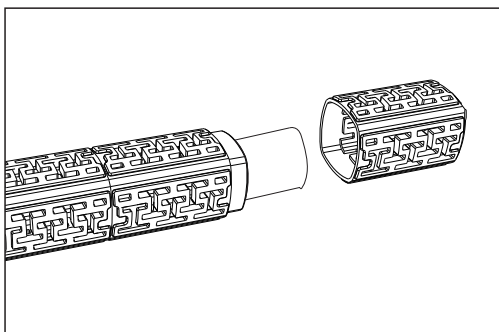
To extend the heating rod's service life, the attachment should be cleaned once a week.



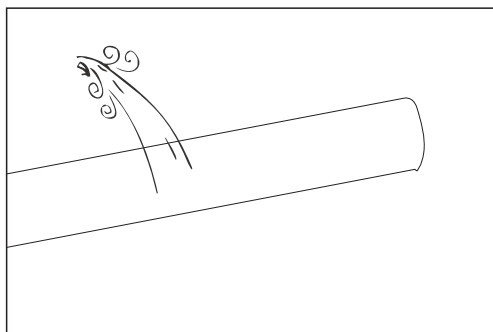
1. Separate the bottom cover



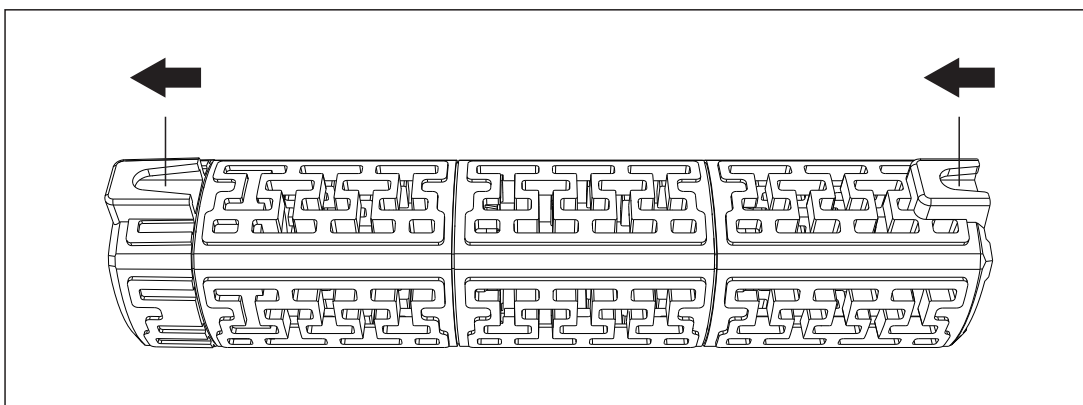
2. Remove the silicon cover



3. Remove the protective cover in turn



4. Cleaning the quartz tube after removing the protective cover



5. After cleaning, put the protective cover back on in order, and pay attention to the protective cover at both ends of the suction cups in the same direction

## 7. WARNING

To avoid possible electric shock, do not immerse the switch in the water. If the switch falls into the water or becomes wet, do not touch it until you have unplugged it. Basic safety precautions that should be observed are as follows:

1. Read and follow this user manual strictly.
2. **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 to repair yourself. Instead, return the heater to an authorized service facility for maintenance or discard it.
  - A. If the heater show any sign of abnormal working or, unplug the power and remove the heater from the water after 15 minutes.
  - B. Carefully examine the heater after installation. It should not be plugged in if there is water on parts that are not intended to be wet.
  - C. Do not operate the heater if it has a damaged cord or plug, is malfunctioning, dropped, or damaged in any manner. The power cord of this heater cannot be replaced. If the cord is damaged, the heater should be discarded.
  - D. To avoid the possibility of the heater plug getting wet, position the aquarium and its stand to one side of a wall mounted outlet to prevent water from dripping onto the outlet or plug. A “drip loop”, shown in the figure below, should be arranged by the user for each cord, which connects the heater to the outlet. If an extension cord is used, the “drip loop” is the part of the cord below the level of the outlet or the connector that prevents water from traveling along the cord and coming in contact with the outlet. If the plug or outlet does get wet, **DO NOT** unplug the cord. Disconnect the fuse to the circuit breaker that supplies power to the heater. Then, unplug and examine for the presence of water in the outlet. If you are not sure, consult a certified electrician.



3. Close supervision is necessary when the heater is used near children.
4. This heater is not allowed to use by persons (including children) with reduced physical sensory or mental capabilities, or lack of experience and knowledge unless they have been given supervision or instruction concerning the use of the heater by a person responsible for their safety.
5. To avoid injury, do not contact moving or hot parts.
6. Always unplug the heater from the outlet when not in use, before putting on or taking off parts, maintenance, or placing hands in the water. Never yank the cord to pull the plug from the outlet. Grasp the plug and pull to disconnect.

7. Do not use the heater for other than intended use. The use of attachments not recommended or sold by the appliance manufacturer may cause an unsafe condition and will void the warranty.

8. Do not install or store the heater where it will be exposed to extreme weather or temperatures below freezing.

9. Only use the heater in freshwater or saltwater, do not use it in other liquids.

10. Make sure the heater is securely installed before operating it.

11. Read and observe all the important notices on the heater.

12. If an extension cord is necessary, a cord with a proper rating should be used, such as rated amperes or watts. A cord rated for fewer amperes or watts than the heater rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.

13. The 2-conductor power cord has a polarized plug (one blade is wider than the other.) As a safety feature, this plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Never use it with an extension cord unless the plug can be fully inserted. Do not attempt to defeat this safety feature.

14. The heater is intended FOR HOUSEHOLD USE ONLY.

15. SAVE THIS USER MANUAL.

## **8. AQQA LIMITED MANUFACTURER'S WARRANTY**

We offer the end user of this product a manufacturer warranty of 2 years from the date of sale if this product was purchased from an AQQA<sup>®</sup>-authorised specialist dealer

Retain receipt for any future warranty claim. Conditions apply. Products are guaranteed by AQQA<sup>®</sup> Aquatic Supplies to the original purchaser against defective material and workmanship under normal use for a period up to 2 years from the date of the original purchase through an Authorized Dealer. Refer to the User Manual included with your product for specific warranty details.

### **Products have no warranty if:**

1. The product has been serviced, modified or tampered with by anyone other than AQQA<sup>®</sup> 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.
4. The product was purchased from an Unauthorized Reseller.

### **WARRANTY LIABILITY DISCLAIMER**

In no event will AQQA<sup>®</sup> be liable for any consequential or incidental damages, including but not limited to, lost aquatic life, personal injury, property damage, equipment damage, lost profits, lost wages, lost savings, lost income, etc., arising out of the use of any AQQA<sup>®</sup> products.

#### 1.0. Terms and Conditions of Warranty.

- 1.1. AQQA<sup>®</sup> warrants to the purchaser, for 2 years from date of original purchase through an Authorized AQQA<sup>®</sup> Reseller, free to repair or replace parts where fault is found due to defective materials or faulty workmanship and where goods do not operate in accordance with the instructions.
- 1.2. All claims for repair or replacement must be made at place of purchase.
- 1.3. Only the direct purchaser is entitled to warranty claims against us and these are not transferable without our consent.
- 1.4. The original and dated Proof of Purchase (receipt) must be supplied with all goods claims. Please also provide this Guarantee where possible.
- 1.5. Wear parts (e.g.: seals, suction devices, axes, pump wheels, light sources, pH electrodes, filter media, such as filter cartridges, as well as UVC burners), glass damage and the opening of the product, as well as structural changes or the use of non-AQQA<sup>®</sup> original parts are excluded from the guarantee.
- 1.6. All goods subject to claim under Guarantee should be prepared for transportation in the original packaging or other comparable packaging which offers the same degree of protection and AQQA<sup>®</sup> must incur no costs from the shipment.
- 1.7. Where claims on inspection reveal goods are in normal working order, AQQA<sup>®</sup> will request reimbursement of all reasonable costs incurred.
- 1.8. Warranty claims do not exist in the case of only insignificant deviations from the agreed or customary condition or usability, e.g. insignificant deviations in colour, dimensions and/or quality or performance characteristics of the products.
- 1.9. Our warranty obligation extends only to the delivery of newly manufactured products. Unless otherwise agreed, used products are sold as seen, excluding any warranty.

## 9. DISPOSAL

Do not dispose of this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary. This product has to be disposed of at an authorized place for the recycling of electrical and electronic appliances rather than being disposed of together with the domestic waste. Collecting and recycling waste is a way of saving natural resources. So, please consult with your local seller to make sure the product is disposed of in an environmentally friendly way.



## 10. CONTACT INFORMATION

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