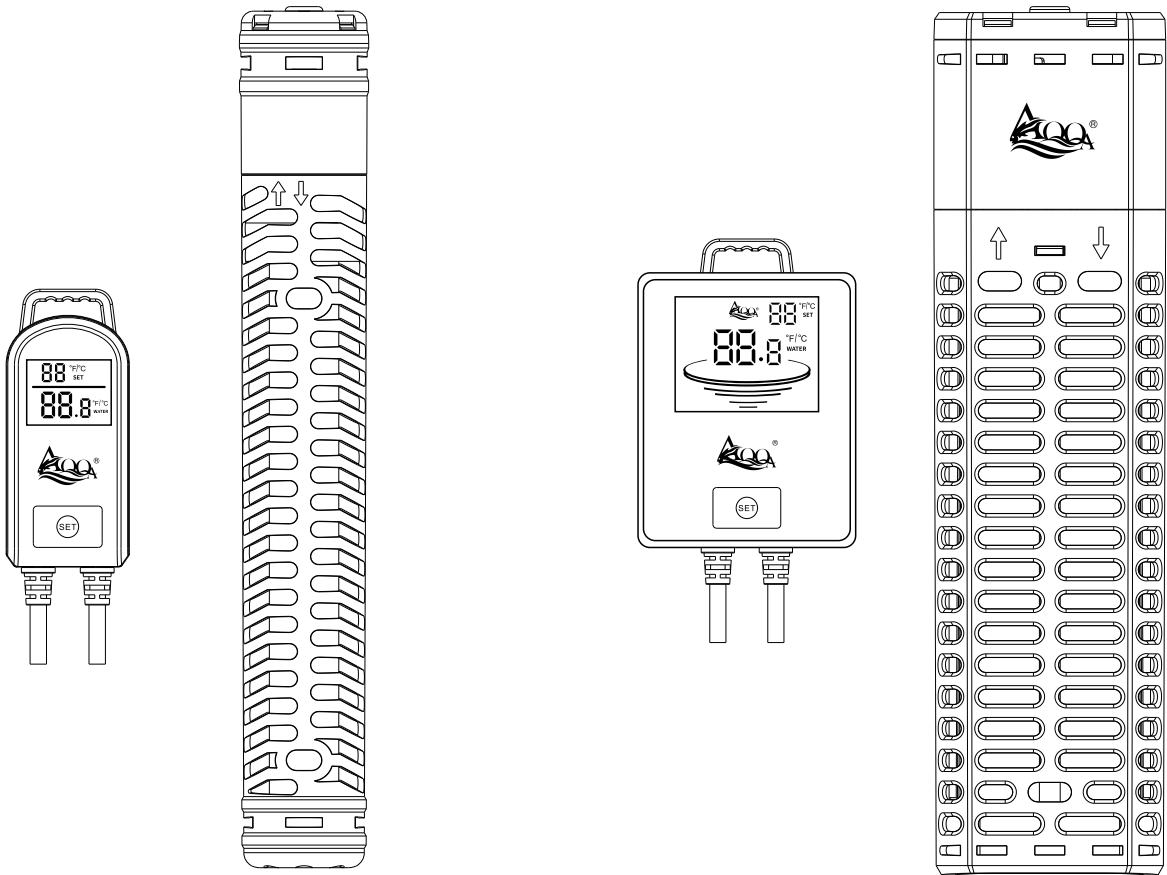


AQ068 USER MANUAL

AQQA Intelligent Quartz Glass Aquarium Heater



300W/500W/800W

1000W/1200W

AQQA intelligent glass Aquarium heater is a high-quality heating equipment specially designed for fresh water and seawater Aquarium. Providing fast and efficient heating, it ensures that the aquarium maintains the optimal temperature, achieves precise temperature control, and provides intelligent heating and constant temperature. AQQA intelligent glass Aquarium heater delivers reliable performance for aquarium enthusiasts.

Reminder:

- 1.The controller is not waterproof. Please ensure that it remains dry at all times.
- 2.The heater must be completely submerged in water to ensure proper functionality.

1. PRODUCT FEATURES

- **Rapid Heating:** The explosion-proof quartz glass heater is made of nickel chromium heating wire, which can quickly and safely heat water.
- **Reliable and Durable:** Quartz glass is leak proof and transfer heat quickly. The heater sheath is made of high-quality PC plastic, which is resistant to high temperatures and can protect your fish from burns.
- **Precise Temperature Control:** The adjustable range of this fish heater is 59-93°F/15-34°C, with an external temperature adjustment device, making it more convenient and safe to adjust the set temperature. The heating part is separated from the electrical components, making temperature control more accurate with an error of within ± 1 degrees Fahrenheit/ Celsius.
- **Intelligent Precision Controller:** The large screen LED of the running horse lamp displays a three digit set temperature and real-time water temperature, allowing real-time temperature to be clearly seen at night away from the fish tank. The ABS plastic exterior light has good anti-collision performance, beautiful appearance, and rich colors
- **Fahrenheit and Celsius Degrees:** For switching between Fahrenheit and Celsius degrees, you just need to press and hold down the SET key for 5 seconds. Fahrenheit degrees are 59-93°F and Celsius degrees are (15-34°C).
- **Out Of Water Power Off:** When the heater leaves the water surface by 2 inches, the power automatically protects and stops heating. The display screen displays the "E0" s code, and the heater completely invades the water. The heater returns to normal.
- **High Temperature Protection:** When the current temperature is 3°F/3°C higher than the set temperature, the screen will flash to display the current water temperature, indicating a high temperature alarm. When the current temperature drops to within 3°F/3°C of the set temperature, the screen will no longer flash to display the current water temperature, indicating that the high temperature alarm has exited.
- **Energy Saving:** A temperature controller is composed of a special process and a microcontroller that measures temperature, saving 20% energy compared to traditional heaters

2. PRODUCT SPECIFICATIONS

Model	AQ068				
Power	300W	500W	800W	1000W	1200W
Volt/Freq	US STANDARD: AC 110V-120V/60Hz EU/UK/AU STANDARD: AC 220-240V/50Hz				
Cord length	3.6ft+5.5ft(1.1m+1.7m)				
Application	40-75Gal (151-283L)	60-120Gal (227-454L)	80-210Gal (302-795L)	135-235Gal (511-890L)	155-265Gal (586-1003L)
Temp accuracy	$\pm 1^{\circ}\text{F}$ / $\pm 1^{\circ}\text{C}$				
Control range	59°F~93°F/ 15°C~34 °C				
Temp controller dimension	4.5in×2in×1in 11.5cm×5cm×2.5cm			5.3in×2.9in×1in 13.5cm×7.5cm×2.5cm	

3. ERROR CODE COMPARISON TABLE

The processing method of the code appears on the LED screen	Error Code	Explanation	Solutions
	E0	Power off when out of water	Ensure the heating rod is fully immersed in water
	The current water temperature number flickers	The current water temperature exceeds the set water temperature by more than 3°F(3°C)	Wait for the current water temperature to drop to within 3 °F (3°C) of the set water temperature
	E6/E7/E8/E9	Temperature sensor open circuit	Please contact customer service for processing

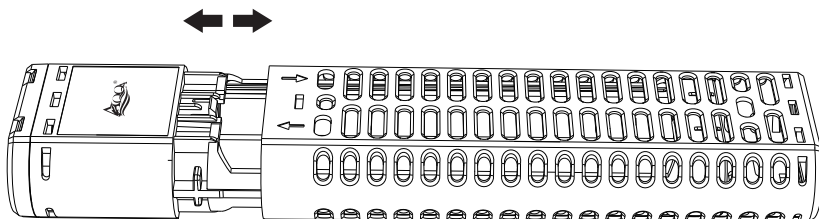
4. PACKING LIST

1x Explosion-proof quartz heater, including controller
 3x Suction cups (1000W/1200W 4 suction cups)
 2x Stickers
 1x Adhesive hook
 1x User manual

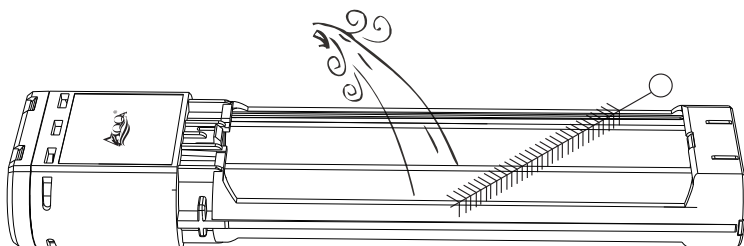
5. Flow diagram for cleaning

Note: Unplug the heater and wait 15 minutes before changing the water or removing the heater from the aquarium.

Step 1



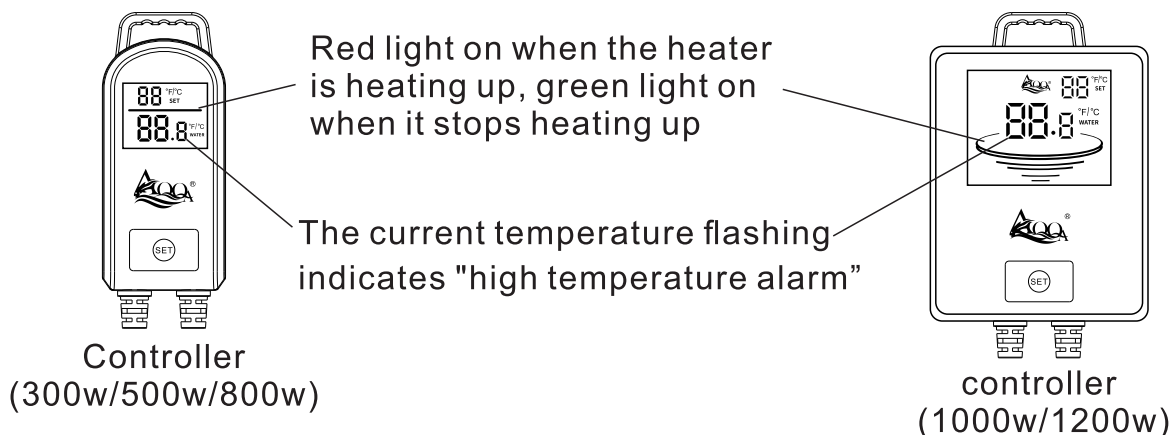
Step 2



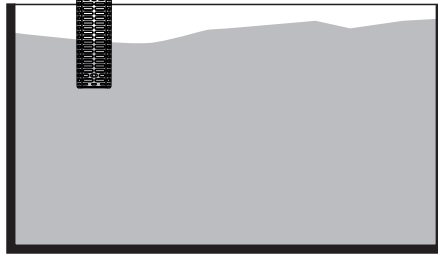
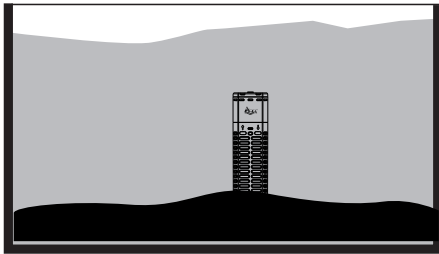
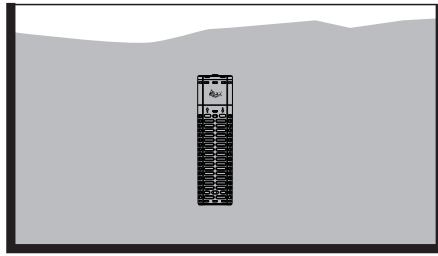
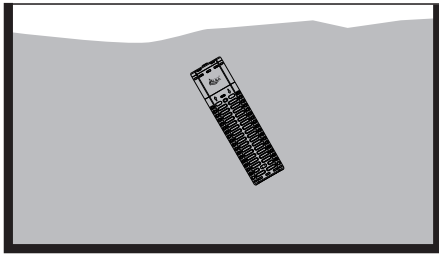
6. INSTRUCTIONS

- ① Press the "SET" button to enter the temperature setting state. Each time the button is pressed, the set temperature increases by 1°F/1°C, and the set temperature range is 59°F-94°F (15°C-34°C), which can be set through button cycling. Press and hold down SET for 5 seconds to switch between Fahrenheit and Celsius degrees. If there is no button operation for 3 seconds, the current set temperature is confirmed and the temperature setting state is exited, returning to the working state again.

a. After setting the temperature, the heating rod will heat the water temperature to the set temperature, and then stop heating to enter the insulation state. When the actual temperature is more than 2°F/2°C lower than the set temperature during the insulation state, the heating rod will heat the water temperature again to the set temperature, and so on. When the water temperature is 3°F/3°C higher than the set temperature, the screen will flash to display the current water temperature, indicating a "high temperature alarm" until the set temperature and current temperature are within 3°F/3°C. The "high temperature alarm" will automatically cancel.

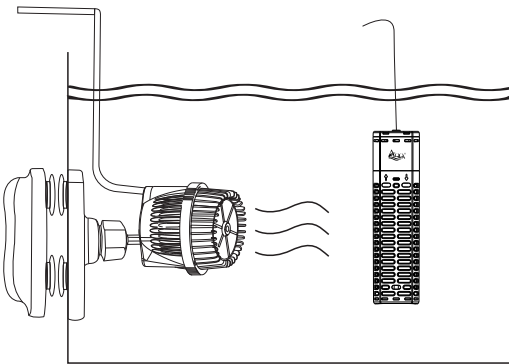


A. Place the heater as shown in the following diagram:

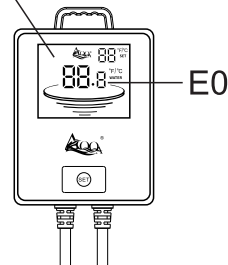


B. Digital display models

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 "E0" and does not send a warning signal

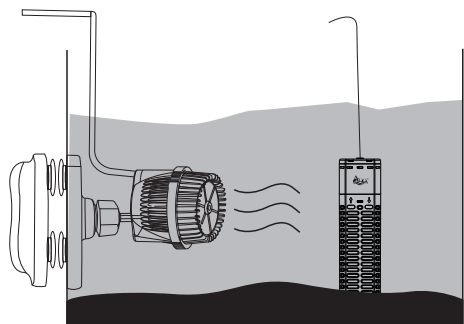
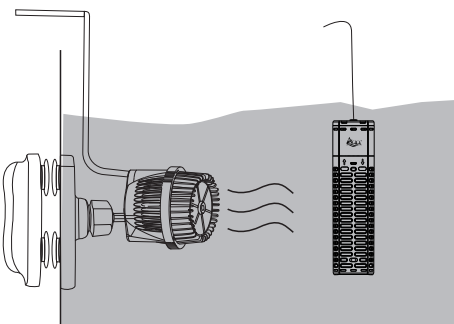


Red warning indicator light

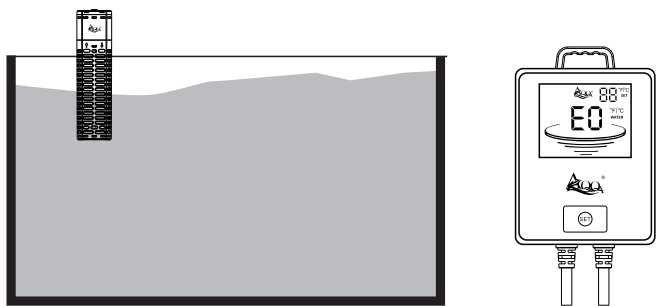


! Important Reminder

1. Place the AQQA heater fully submersible when it's on , unplug it , and wait for 15 minutes before changing the water or removing it .
2. Please make sure there is enough water flow and water circulation in your fish tank when using the heater
3. Please do not bury the heating rod or use it near the sand



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 “E0” and does not send a warning signal.



7. MAINTENANCE

- Unplug or switch off all appliances in the aquarium before carrying out maintenance.
- Do not use detergents or other chemical cleaners.
- To clean the heater, unplug it first and then leave the heater in the tank for 15 minutes and remove it from the tank. Wash the heater in clean water.
- When reinstalling the heater, select your desired location and position the heater below the water.
- This appliance has no parts that can be repaired by users.
- For indoor use only, not in the bathroom.

8. 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.

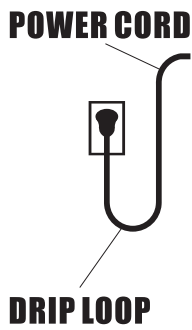
2. DANGER- To avoid possible electric shock, special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations, do not attempt to repair yourself. Instead, return the heater to an authorized service facility for maintenance or discard it.

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.

9. ATTENTIONS

- ✓ Please check all the items to inspect their condition when unboxing the package.
- ✓ Please read this user manual carefully before using and follow it strictly.
- ✓ Please choose a heater rated for your aquarium.
- ✓ Please place the heating rod in the way of water flow and don't bury it in the substrate.
- ✓ It is suggested that the heater is submerged more than 5 inches below the water.
- ✓ Please make sure the heating rod is fully submerged when it's on duty. Unplug the heater and wait for 15 minutes before changing the water or removing the heater.
- ✓ Please mind that the heater can be turned off automatically when exposed to air, but it is a last resort and should be avoided.
- ✓ After using the heater for a while, calcium carbonate contained in algae or moss may clump and adhere to the heating rod.
- ✓ If dirt adheres to the heating rod, use a sponge or cloth and water to wipe it. Do not use alcohol or other chemicals as this may damage the heater and harm the fish or other livestock.
- ✓ If you use the heater for a prolonged period with dirt adhered to the heating element, please be aware that failure may occur due to the inability to control the temperature correctly.
- ✓ Please place the heating rod far away from the magnetic brush since the magnet will possibly damage the heating element.
- ✓ There will be a little mist on the inner wall of the tube while heating, and it will disappear slowly after the heating stops, which means it's a normal phenomenon. So you don't have to worry about it, it is a safe and double-protected product that has passed the UL certification.

10. 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®-authorised specialist dealer

Retain receipt for any future warranty claim. Conditions apply. Products are guaranteed by AQQA® 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® 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® 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® products.

1.0. Terms and Conditions of Warranty.

- 1.1. AQQA® warrants to the purchaser, for 2 years from date of original purchase through an Authorized AQQA® 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® 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® must incur no costs from the shipment.
- 1.7. Where claims on inspection reveal goods are in normal working order, AQQA® 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.

11. 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.



12. CONTACT INFORMATION

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