

## AQQA AQ143

# AQQA Aquarium Heater (Model AQ143, 50W) Instruction Manual

Digital Temperature Control 15-34°C

## 1. INTRODUCTION AND OVERVIEW

Thank you for choosing the AQQA Aquarium Heater Model AQ143. This heater is designed to provide precise and stable temperature control for your aquarium, ensuring a healthy and comfortable environment for your aquatic life. It features a wide temperature adjustment range, high-performance heating, easy maintenance, and multiple safety protections.

This manual provides essential information for the safe and effective use of your AQQA Aquarium Heater. Please read it thoroughly before installation and operation, and keep it for future reference.

## 2. PRODUCT FEATURES

- **Precise Temperature Control:** The heater offers a wide temperature adjustment range from 15°C to 34°C (59°F to 94°F) with high accuracy of  $\pm 1^\circ\text{C}$ . The digital controller simultaneously displays both the current water temperature and the set temperature for easy monitoring.
- **High-Performance Heating:** Equipped with a high-quality nichrome wire heating element, providing superior heating performance and durability compared to standard iron-chromium wire heaters. Its 65mm x 18mm cylindrical design ensures a large heating area and rapid heating to reach the target temperature quickly.
- **Easy Maintenance:** Designed for tool-free disassembly and cleaning, making maintenance simple and preventing dirt accumulation that could affect performance or sensor accuracy.
- **Triple Safety Protection:** Includes automatic power-off when out of water (dry burning prevention), automatic power-off if water temperature exceeds 35°C (95°F), and a fine-hole outer casing design to prevent fish from getting trapped. The 200W model also features an audible alarm for water temperature anomalies.
- **Wide Application:** Suitable for both freshwater and saltwater aquariums, accommodating tank sizes from 20L to 40L (for the 50W model).

- **Memory Function:** Automatically restores to the last set temperature after a short power outage.

### 3. SETUP INSTRUCTIONS

1. **Unpack the Heater:** Carefully remove the heater and all components from the packaging. Inspect for any damage.
2. **Placement in Aquarium:** The heater must be fully submerged in water. Use the included suction cups to securely attach the heater to the inner wall of your aquarium. Ensure it is placed in an area with good water circulation to distribute heat evenly.



Image: Heater securely fixed to the aquarium wall using suction cups.



Image: Diagram showing correct (fully submerged, not buried in sand, away from strong outflow) and incorrect heater installation methods.

3. **Connect Power:** Plug the heater's power cord into a suitable electrical outlet. The digital display on the controller will light up.
4. **Initial Temperature Reading:** Allow a few minutes for the heater to acclimate and for the controller to display the current water temperature accurately.

### 4. OPERATING INSTRUCTIONS

1. **Setting Temperature:** Press the 'Set' button on the controller to adjust the target temperature. Each press will cycle through the available temperature range (15°C to 34°C or 59°F to 94°F). The heater will automatically begin heating if the current water temperature is below the set temperature.

## メモリー機能付き



Image: The digital controller displaying the current water temperature ('Real') and the user-set target temperature ('Set').

2. **Temperature Display Unit:** To switch between Celsius (°C) and Fahrenheit (°F), press and hold the 'Set' button for approximately 3 seconds.
3. **Indicator Lights:** The controller features indicator lights: a blue light indicates standby/temperature maintenance, and a red light indicates active heating.
4. **Memory Function:** In case of a brief power interruption, the heater will automatically resume operation at the last set temperature once power is restored.



Video: This video demonstrates the key features of the AQQA Aquarium Heater, including how to set the temperature, its automatic safety shut-off when removed from water or overheating, and its memory function after a power interruption.

## 5. MAINTENANCE

Regular cleaning of your AQQA Aquarium Heater is crucial for optimal performance and longevity. Accumulated dirt can reduce heating efficiency and cause sensor malfunctions.

1. **Disconnect Power:** Always unplug the heater from the power outlet before performing any maintenance.
2. **Remove from Aquarium:** Carefully remove the heater from the aquarium.
3. **Disassembly for Cleaning:** The heater is designed for easy, tool-free disassembly. Gently twist and pull apart the protective casing to access the internal heating element. Remove the silicone cover and then the protective covers in sequence.

## 温度調整できるヒーターだから安心！

水温を上げて冬を快適に過ごすだけでなく、一部の病気予防や治療にも役立ちます。



魚の種類に合わせて、好みの温度に自由調整



約29°Cに設定すれば、白点病の治療にも対応。

Image: Step-by-step guide on how to disassemble the heater by removing the bottom cover, silicone cover, and protective covers for thorough cleaning.

4. **Cleaning:** Rinse the heating element and protective casing thoroughly with clean water. You can use a soft brush to remove any stubborn algae or debris. Do not use harsh chemicals or abrasive materials.
5. **Reassembly:** Once all parts are clean and dry, reassemble the heater by reversing the disassembly steps. Ensure all parts are securely fitted.
6. **Reinstallation:** Place the cleaned and reassembled heater back into the aquarium, ensuring it is fully submerged before plugging it back in.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Heater not turning on / No display	No power; Heater not fully submerged; Power outage.	Check power connection; Ensure heater is fully submerged; Check household power.
Water not heating up	Set temperature too low; Heater wattage insufficient for tank size; Poor water circulation; Dirt accumulation on heating element.	Increase set temperature; Consider a higher wattage heater for larger tanks or colder environments; Improve water circulation; Clean the heater.
Temperature fluctuates or is inaccurate	Sensor obstructed by dirt; Poor water circulation around sensor; External temperature changes.	Clean the heater and sensor area; Ensure good water flow; Monitor room temperature.
Heater automatically shuts off	Heater removed from water; Water temperature exceeded 35°C (95°F).	Ensure heater is fully submerged; Allow water to cool naturally or perform a partial water change with cooler water.
200W model alarm sounds	Water temperature anomaly detected.	Check water temperature with an external thermometer; Verify heater settings and function.

## 7. SPECIFICATIONS

Feature	Details
Model Number	AQ143
Power	50W
Voltage/Frequency	AC100-110V/50-60Hz
Power Cord Length	1.15m + 0.25m (Controller to plug)
Temperature Accuracy	±1°C
Temperature Control Range	15°C ~ 34°C (59°F ~ 94°F)
Controller Dimensions	9.6 x 3.5 x 2.2cm

Feature	Details
Applicable Tank Size (50W)	20L ~ 40L
Controller Function	Digital display, One-touch temperature setting, °C/°F switch, Memory function
Special Use	Aquarium temperature adjustment
Color	Black

Note: Specifications may vary slightly by wattage model. The 200W model includes a water temperature anomaly buzzer alarm.

200W

168mm

30mm

30mm

### 製品仕様3

モデル	AQ143
パワー	200W
電圧/ 周波数	AC100-110V/50-60Hz
電源コードの長さ	1.2m+0.8m
温度精度	±1°C
温度制御範囲	15°C~34°C
コントローラー寸法	11.8 x 7.0 x 3.3cm
適合水槽	80~150L
コントローラー機能	水温異常ブザー警報

Image: Detailed product specifications table for different wattage models of the AQQA Aquarium Heater.

## 8. WARRANTY AND SUPPORT

This AQQA Aquarium Heater comes with a 1-year quality warranty from the date of purchase. If you encounter any issues or have questions regarding the product, please do not hesitate to contact our customer support. We are committed to providing a prompt response within 24 hours to ensure your satisfaction.

For support, please refer to the contact information provided with your purchase or visit the official AQQA store on Amazon.