hygger HGY0009

hygger HGY0009 2-in-1 Aquarium Heater with Water Circulation User Manual

Model: HGY0009 | 500W, 66-135 Gallons

1. IMPORTANT SAFETY INSTRUCTIONS

Please read and follow all safety instructions carefully before operating this appliance. Failure to do so may result in damage to the product, injury, or electric shock.

- Ensure the heater is fully submerged in water before connecting to power. Never operate the heater dry.
- Always disconnect power to the heater and all other aquarium equipment before performing maintenance, cleaning, or handling.
- This appliance is designed for indoor use in aquariums only. Do not use for any other purpose.
- Do not operate any appliance if it has a damaged cord or plug, or if it malfunctions or has been dropped or damaged in any manner.
- To avoid the possibility of the appliance plug or receptacle getting wet, position the aquarium to one side of a wall-mounted receptacle to prevent water from dripping onto the receptacle or plug. A "drip loop" should be arranged for each cord connecting an aquarium appliance to a receptacle. The "drip loop" is the part of the cord below the level of the receptacle, or the connector if an extension cord is used, to prevent water from traveling along the cord and coming into contact with the receptacle. If the plug or receptacle does get wet, DO NOT unplug the cord. Disconnect the fuse or circuit breaker that supplies power to the appliance. Then unplug and examine for the presence of water in the receptacle.
- Close supervision is necessary when any appliance is used by or near children.
- Do not touch moving parts or heating elements.
- Ensure the voltage and frequency of your power supply match the specifications of the heater.
- The heater is equipped with a three-pin plug to prevent electric leakage and electric shock. Do not modify the plug.

2. PRODUCT OVERVIEW

The hygger HGY0009 2-in-1 Aquarium Heater with Water Circulation combines both heating and wave-making functionalities into a single unit. This integrated design aims to provide efficient temperature control and improved water circulation within your aquarium, suitable for both freshwater and saltwater environments.

Image 2.1: The hygger 2-in-1 Aquarium Heater and its external digital display controller.

This device features a digital display for precise temperature control, multiple safety protections, and durable materials for long-term use. The wave function helps distribute heat evenly and prevents stagnant areas, contributing to better water quality and oxygen exchange.

2 in 1 AQUARIUM HEATER WITH WAVE MAKER

❯ **Heating and Wave-making** functions can be used together or separately.

❯ Is a new type of aquarium equipment with Multi-Functional Integration, Space Saving, Energy Saving and High Efficiency, Uniform Heating and Centralized Control.

Image 2.2: Illustration of the dual heating and wave-making functions working together.

3. SETUP AND INSTALLATION

Follow these steps to properly install your hygger 2-in-1 Aquarium Heater:

1. **Placement:** Position the heater unit horizontally within your aquarium. Ensure it is fully submerged in water. The unit can be placed vertically in the fish tank or in a bottom filter tank as a supplementary heater.

2. **Secure with Suction Cups:** Use the provided suction cups to firmly attach the heater to the aquarium glass. Ensure the suction cups are clean and free of debris for optimal adhesion.

3. **Controller Placement:** Mount the external digital display controller in a dry, easily accessible location outside the aquarium.

4. **Power Connection:** Ensure all connections are secure. Create a drip loop with the power cord to prevent water from reaching the electrical outlet. Plug the three-pin plug into a suitable 110V AC power outlet.

RELIABILITY & CONSISTENCY

Low Temperature Warning (below 15°C/59°F), heater still heating.

High Temperature Warning (exceeds 35°C/95°F), heater stops heating, wave pump making continues.

All stops when out of water (exposure to air).

Motor stuck/reversed, all stops, try self-start, continue working if OK.

Image 3.1: Various installation methods for the heater, including vertical placement and use in a bottom filter tank.

4. OPERATING INSTRUCTIONS

The hygger 2-in-1 heater features an external controller for easy operation and monitoring.

4.1 Digital Display and Controls

The external controller has a clear 3-digit LED display showing both the current water temperature and the set temperature. It also indicates various operational statuses and warnings.

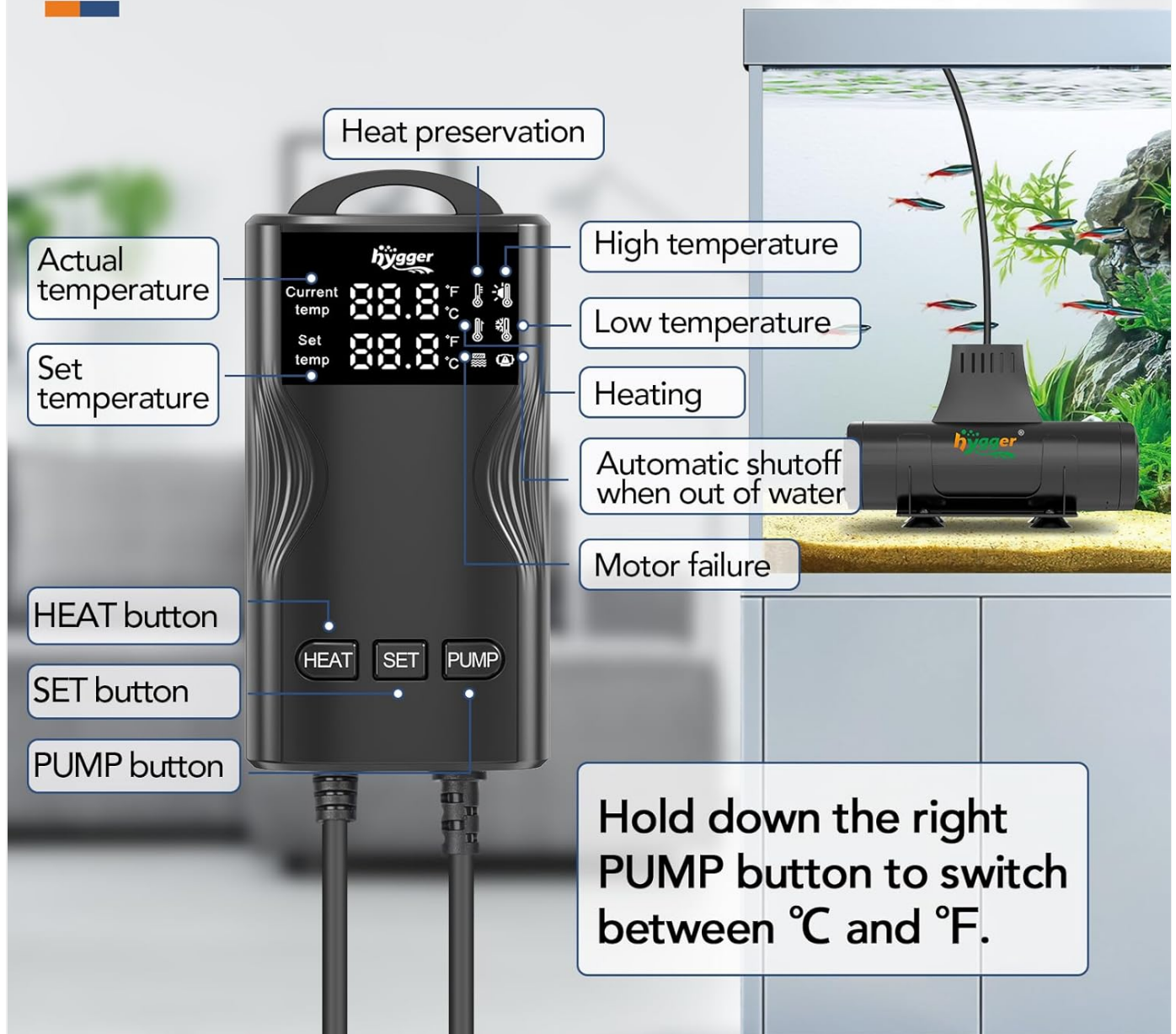# EXTERNAL DIGITAL DISPLAY CONTROLLER

Image 4.1: Detailed view of the external controller, highlighting the display and button functions.

- **HEAT Button:** Activates or deactivates the heating function.
- **SET Button:** Used to enter temperature setting mode and confirm the desired temperature.
- **PUMP Button:** Activates or deactivates the wave-making function. Hold down the PUMP button to switch between Celsius (°C) and Fahrenheit (°F) display modes.
- **Display Indicators:**
  - "Current temp": Shows the real-time water temperature.
  - "Set temp": Shows the user-defined target temperature.
  - Icons for heating, high temperature, low temperature, automatic shutoff (out of water), and motor failure.

4.2 Setting the Temperature

1. Press the **SET** button once. The "Set temp" display will begin to flash.
2. Use the **HEAT** or **PUMP** buttons to adjust the desired temperature up or down.
3. Press the **SET** button again to confirm the new temperature. The display will stop flashing, and the heater will begin

to adjust the water temperature to the set value.

4.3 Dual Functionality

Both the heating and wave-making functions can be used independently or simultaneously.

- To activate/deactivate heating: Press the **HEAT** button.
- To activate/deactivate wave-making: Press the **PUMP** button.

4.4 Safety Protections

The heater is equipped with multiple safety features to ensure reliable operation:

Image 4.2: Visual representation of the heater's reliability and consistency features, including various safety warnings.

- **Low Temperature Warning:** If the water temperature drops below 15°C (59°F), a warning will display, but the heater will continue operating to reach the set temperature.
- **High Temperature Warning:** If the water temperature exceeds 35°C (95°F), the heater will automatically stop heating. The wave pump will continue to operate to help circulate water.

- **Dry-Run Protection:** The device will automatically stop all functions if it detects it is out of water (exposed to air).
- **Motor Stuck/Reversed Protection:** If the motor encounters an issue, all functions will stop. The device will attempt a self-start; if the issue persists, it will remain off.

5. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your hygger 2-in-1 Aquarium Heater.

1. **Disconnect Power:** Always unplug the heater from the power outlet before performing any cleaning or maintenance.
2. **Remove from Aquarium:** Carefully remove the heater unit from the aquarium.
3. **Cleaning the Unit:** The smooth surface and detachable covers on both sides of the heater make cleaning easy.

   - Gently detach the covers on both ends of the heater.
   - Rinse the internal components and the covers under clean running water to remove any algae, debris, or mineral buildup.
   - A soft brush (not included) can be used to clean hard-to-reach areas.
   - Ensure all parts are thoroughly cleaned to prevent blockages that could affect the wave-making function or heat distribution.

4. **Reassembly:** Once clean, reattach the covers securely.
5. **Reinstallation:** Place the heater back into the aquarium, ensuring it is fully submerged, and then reconnect power.

Image 5.1: Illustration of the detachable covers for easy cleaning of the heater unit.

6. Troubleshooting

If you encounter issues with your hygger 2-in-1 Aquarium Heater, refer to the following troubleshooting guide:
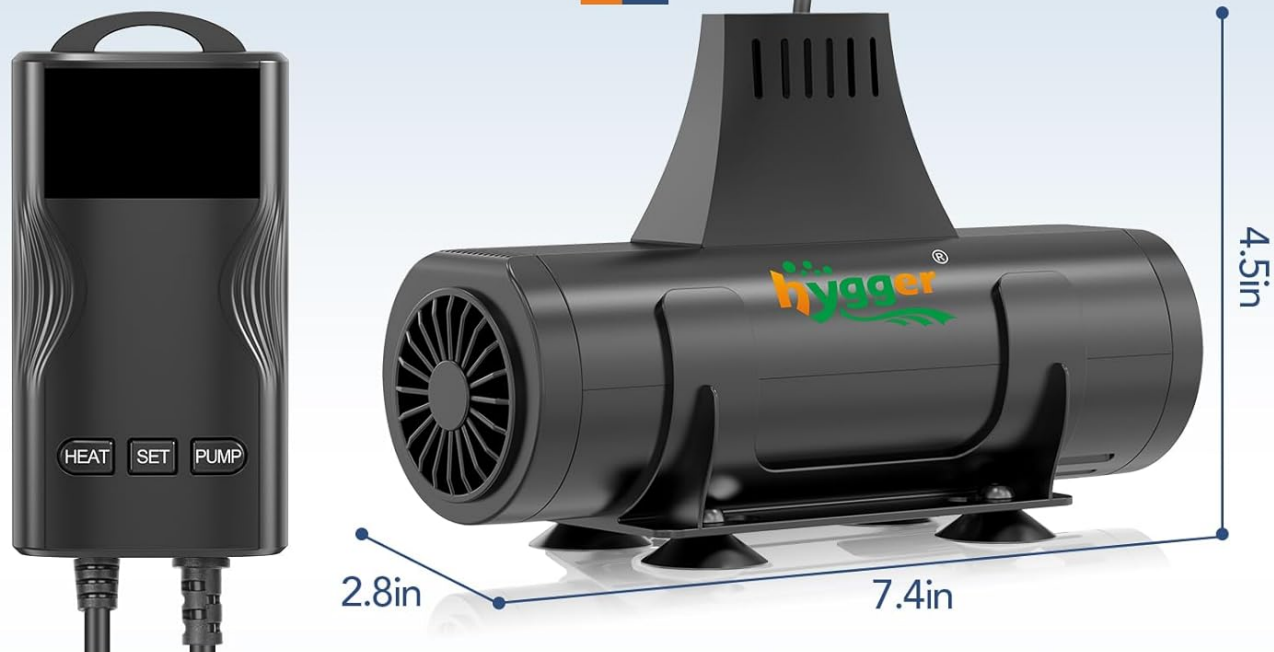
Problem	Possible Cause	Solution
Heater not turning on / Display off	No power supply; Loose connection; Power outage.	Check power outlet and connections. Ensure the power cord is securely plugged in. Verify power to the outlet.
Water temperature not reaching set point	Heater wattage insufficient for tank size; Heater not fully submerged; Excessive water flow; Sensor dirty.	Ensure heater wattage matches tank volume (refer to specifications). Verify full submersion. Clean the temperature probe.

Problem	Possible Cause	Solution
High Temperature Warning (exceeds 35°C/95°F)	Ambient temperature too high; Heater malfunction.	The heater automatically stops heating. Monitor ambient temperature. If the issue persists, disconnect power and contact support.
Dry-Run Protection activated	Heater not fully submerged; Water level too low.	Ensure the heater is completely submerged. Add water to the aquarium to the appropriate level.
Wave pump not working or weak flow	Impeller blocked by debris; Motor stuck/reversed.	Disconnect power, remove the heater, and clean the impeller area thoroughly as per maintenance instructions. If motor stuck protection is active, the unit will attempt to self-start.
Inaccurate temperature reading	Temperature probe dirty or obstructed.	Clean the temperature probe carefully. Ensure it is not covered by substrate or decorations.

7. SPECIFICATIONS

The following table outlines the technical specifications for the hygger HGY0009 2-in-1 Aquarium Heater.

TANK SIZE COMPATIBILITY

4.5in

2.8in 7.4in

Power	300W	500W	800W	1000W
Volt/Freq	US standard:AC110-120V/60Hz			
Cord length	Cable length from heater to controller: 4.9ft(150CM) Cable length from controller to socket: 3.9ft(120CM)			
Applicable tank size	40-80Gal (152-302L)	66-135Gal (250-343L)	80-220Gal (302-383L)	130-260Gal (492-984L)
Temperature accuracy	0.1°F/0.1°C			
Temperature tolerance range	±0.1°F/±0.1°C			
Control range	59°F-93.2°F/15°C~34°C			

Image 7.1: Detailed specifications for various models of the hygger 2-in-1 heater.

Feature	Detail
Model Number	HGY0009
Power (for 500W model)	500W
Voltage	110 Volts (AC)
Applicable Tank Size (500W model)	66-135 Gallons (250-343 Liters)
Temperature Accuracy	0.1°F / 0.1°C
Temperature Tolerance Range	±0.1°F / ±0.1°C
Control Range	59°F - 93.2°F (15°C - 34°C)
Cord Length (Heater to Controller)	4.9 ft (150 cm)

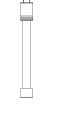| Feature	Detail
Cord Length (Controller to Socket)	3.9 ft (120 cm)
Material	Plastic, 840 Stainless Steel (heating element)
Item Weight	2.12 pounds
Dimensions (Heater Unit)	Approx. 7.4in (L) x 2.8in (W) x 4.5in (H)

8. WARRANTY AND SUPPORT

This hygger product comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper installation.

For warranty claims, technical support, or any questions regarding your product, please contact hygger customer service. Refer to the product packaging or the official hygger website for the most current contact information.

Related Documents - HGY0009

	[Hygger HG152 Adjustable Aquarium Heater User Manual](#) User manual for the Hygger HG152 Adjustable Aquarium Heater, detailing product features, specifications, instructions, maintenance, troubleshooting, warnings, and disposal information.
	[Hygger HG085 Titanium Tube Heater User Manual](#) Comprehensive user manual for the Hygger HG085 Titanium Tube Heater, detailing features, specifications, installation instructions, safety warnings, troubleshooting, and disposal information for aquarium use.
	[Hygger HG163 Aquarium Heater User Manual](#) User manual for the Hygger HG163 Hollowed-out Aquarium Heater, providing instructions, features, specifications, troubleshooting, and safety warnings for freshwater and saltwater aquariums.

HG085 USER MANUAL hygger titanium tube heater hygger Titanium Tube Heater with Temperature Controller is suitable for both freshwater and saltwater aquariums. This heater is designed to be energy-efficient, explosion-proof, corrosion-resistant and easy to clean. Equipped with a temperature control system, it ensures a stable and consistent water temperature.	[Hygger HG085 Titanium Tube Heater User Manual | Aquarium Temperature Control](#) Comprehensive user manual for the Hygger HG085 Titanium Tube Heater. Learn about product features, specifications, installation, operation, safety warnings, troubleshooting, and warranty for your aquarium.
HG145 USER MANUAL hygger Accurate Quartz Glass Aquarium Heater hygger Accurate Quartz Glass Aquarium Heater is the perfect heater for your freshwater or saltwater aquariums. **Reminder: The controller is not waterproof, do not allow it to get wet**	[Hygger HG145 Accurate Quartz Glass Aquarium Heater User Manual](#) Comprehensive user manual for the Hygger HG145 Accurate Quartz Glass Aquarium Heater, detailing features, specifications, instructions, troubleshooting, safety warnings, and disposal information for optimal aquarium temperature control.
HG253 USER MANUAL hygger Precise Aquarium Heater hygger Precise Aquarium Heater is a perfect heater for your freshwater or saltwater aquariums. **Reminder: The controller is not waterproof, do not allow it to get wet**	[Hygger HG253 Precise Aquarium Heater User Manual](#) User manual for the Hygger HG253 Precise Aquarium Heater, detailing features, product parameters, installation instructions, temperature setting, troubleshooting, maintenance, and safety warnings for freshwater and saltwater aquariums.