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## hygger HG273

# hygger 150W Submersible Aquarium Heater User Manual

Model: HG273 | Brand: hygger

## IMPORTANT SAFETY INSTRUCTIONS

- **Always ensure the heater is fully submerged in water before powering on.** Operating the heater out of water can cause damage and pose a safety risk.
- **The external controller is not waterproof.** Do not immerse the controller in water.
- **Unplug the heater from the power outlet before performing any maintenance, water changes, or cleaning tasks.** Allow the heater to cool for at least 15 minutes before handling.
- Place the heater in an area of the tank with good water circulation to ensure even heat distribution.
- Regularly inspect the heater and power cord for any signs of damage. Do not use if damaged.
- Keep out of reach of children and pets.

## PRODUCT OVERVIEW

The hygger 150W Submersible Aquarium Heater (Model HG273) is designed to provide stable and consistent heating for 20-30 gallon freshwater or saltwater aquariums. It features a digital temperature controller for precise temperature management and includes advanced safety features such as overheat and out-of-water protection.

### Key Features:

- **Digital Temperature Controller:** External controller displays real-time water temperature and allows easy adjustment of the desired temperature between 59-93°F (15-34°C).
- **Overheat Protection:** Automatically stops heating and displays an "EE" error code if the water temperature exceeds 97°F.
- **Out-of-Water Protection:** Shuts off power and displays an "ER" error code if the heater is exposed to air, preventing dry burning.
- **Durable Construction:** Made with explosion-proof quartz glass and silicon carbide for enhanced safety and longevity. Insulated ends reduce burn risks for aquatic life.

- **Compact Design:** Measuring 8.1 inches in length, it is suitable for various tank types including betta, turtle, and nano tanks.

## PACKAGE CONTENTS

- 1 x hygger 150W Submersible Aquarium Heater (Model HG273)

## SPECIFICATIONS

Attribute	Value
Model Name	HG273
Power	150W
Aquarium Size	20-30 Gallons
Temperature Range	59-93°F (15-34°C)
Temperature Accuracy	0.5°F (0.5°C)
Temperature Tolerance	±1°F (±1°C)
Heating Rod Size	8.1" x 1.06"
Voltage	AC 110-120V/60Hz (US Standard)
Cord Length	2.6ft + 3.9ft / 0.8m + 1.2m
Item Weight	13.1 ounces
Material	Explosion-proof Quartz Glass

## SETUP

Follow these steps to properly install your hygger aquarium heater:

1. **Unpack:** Carefully remove the heater and controller from the packaging. Inspect for any damage.
2. **Placement:** Position the heater fully submerged in your aquarium. It can be placed vertically or horizontally. Ensure the heater is at least 5cm below the water surface.
3. **Secure:** Use the included strong suction cups to firmly attach the heater to the inside wall of your tank.
4. **Controller Placement:** Place the digital temperature controller outside the aquarium in a dry location. Remember, the controller is not waterproof.
5. **Power Connection:** Once the heater is securely placed and fully submerged, plug the power cord

into a suitable electrical outlet.

# How to Place Fish Tank Heater

## Warning

1. Aquarium Heater should be fully submerged in the water
2. The controller is not waterproof. Please do not put it in water



Image: Proper placement of the hygger aquarium heater, illustrating both vertical and horizontal installation methods. Ensure the heater is fully submerged and the controller remains dry.

# Differ Power Meet Different Tank and Needs



Power	25W	50W	100W	150W	200W	300W	
Aquarium Size	2-5Gal	5-10Gal	10-20Gal	20-30Gal	30-40Gal	40-80Gal	
US standard	AC 110-120V/60Hz						
Cord length	2.6ft + 3.9ft / 0.8m + 1.2m						
Temp range	59 - 93°F (15 -34°C)						
Temp accuracy	0.5°F ( 0.5°C )						
Temp tolerance	±1°F ( ± 1°C )						
Heating rod size	6.1"x1.06"			8.1"x1.06"			

Image: Detailed view of the heater's components, including suction cups for secure mounting, the water sensor for safety, the protective shell, and the explosion-proof quartz glass construction.

## OPERATING INSTRUCTIONS

Your hygger aquarium heater is designed for easy operation with its external digital controller.

### Setting the Temperature:

1. Upon power connection, the controller will display the real-time water temperature.
2. Press the "SET" button briefly to increase the preset temperature. Each press will cycle through the available temperature range (59-93°F).
3. Once your desired temperature is displayed, stop pressing the "SET" button. The display will flash briefly and then return to showing the actual water temperature. The set temperature is now saved.

### Indicator Lights:

- **Red Light:** Indicates the heater is actively heating the water.
- **Green Light:** Indicates the heater has stopped heating and the water is at the set temperature (standby mode).

# Easy to Set External Controller with Digital Readout

Temperature range from 59°F~93°F



Red light: Heating

Green light: Stop heating/  
Constant temperature

**Set:** When display flashes, adjust to desired temperature. Once set, current temperature without number flashing

## Simple Control Interface:

Fewer electronic components, lower failure rate, and more durable and safe

Image: The external digital controller, illustrating how to set the desired temperature and the meaning of the red (heating) and green (standby) indicator lights.

### Product Video:

Your browser does not support the video tag.

Video: An official product video demonstrating the features and operation of the hygger Small Aquarium Heater, including installation and temperature setting.

## MAINTENANCE

Proper maintenance ensures the longevity and efficient operation of your heater.

- **Cleaning:** Periodically clean the heater rod to remove algae or mineral buildup. Always unplug the heater and allow it to cool for 15 minutes before removing it from the tank for cleaning. Use a soft brush or cloth and aquarium-safe cleaning solutions if necessary.
- **Water Changes:** During water changes, ensure the heater remains fully submerged. If the water level drops below the heater, it will automatically shut off (displaying "ER"). Always unplug the heater before draining significant amounts of water.

- **Inspection:** Regularly check the heater's glass tube and power cord for any cracks, fraying, or other signs of wear or damage. Replace the heater if any damage is observed.

## TROUBLESHOOTING

If you encounter issues with your hygger aquarium heater, refer to the following common problems and solutions:

Error Code / Symptom	Description	Solution
<b>"ER" displayed on controller</b>	Heater is out of water or water level is too low (dry-run protection activated).	Ensure the heater is fully submerged in water. If the water level is low, add water to the tank. The heater will resume normal operation once fully submerged.
<b>"EE" displayed on controller</b>	Water temperature exceeds 97°F (overheat protection activated).	Check the ambient room temperature. If the tank is in a warm environment, consider moving it or using a chiller. The heater will stop heating until the temperature drops below the safety threshold.
<b>Heater not heating</b>	The red indicator light is off, and the water temperature is below the set point.	Check if the heater is plugged in correctly. Verify the set temperature is higher than the current water temperature. Ensure there are no error codes displayed. If issues persist, contact customer support.



## Anti-dry Burning Protection

### Display Er and green light flash

When heater is 5cm above water surface, aquarium heater will automatically power off, and display **Er**

## Over Temperature Protection

### Display EE and green light flash

Water temperature exceeds 97°F, green indicator light flashes, and display **EE**



Image: The heater's controller displaying the "Er" error code, indicating that the heater is not fully submerged in water.

# Compact & Lightweight for Small Fish and Turtle Tank



Space-saving



Compact & lightweight



Small fish tank



Turtle tank



Smart aquarium

Image: The heater's controller displaying the "EE" error code, indicating that the water temperature has exceeded 97°F.

## WARRANTY

This hygger aquarium heater comes with a **2-Year Manufacturer Warranty**. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, accident, modification, or unauthorized repair.

## SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact hygger customer support through the retailer where the product was purchased or visit the official hygger website for contact information.

