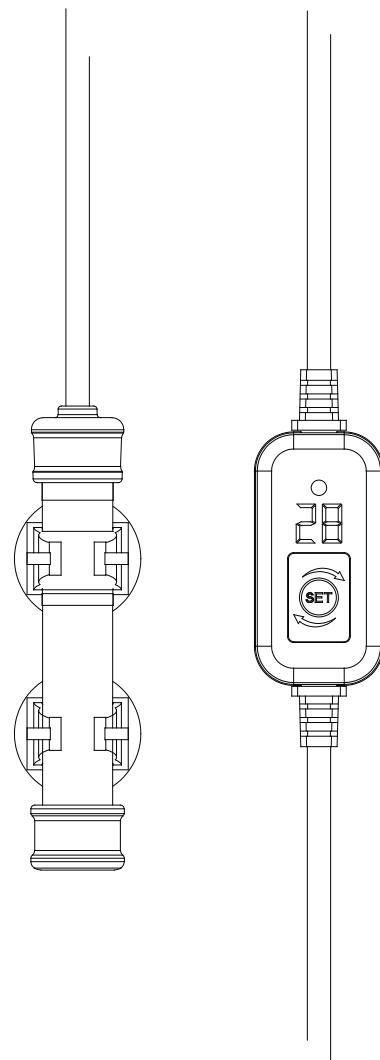




HG096 USER MANUAL

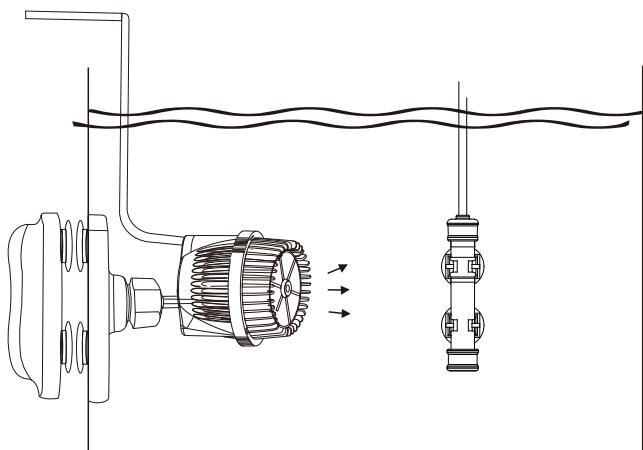
hygger mini aquarium heater



Hygger mini heater is a perfect aquarium heater for 1~26 gallon aquariums and is best for desktop, office, or home use.



CAUTION:



Place the hygger heater fully submersible when it's on, unplug it and wait for 15 minutes before changing the water or removing the heater.
Please ensure enough water flow and water circulation in your fish tank when using the heater.

1. PRODUCT FEATURES

LED digital temperature display: Multi-function LED digital display shows the water temperature clearly and accurately.

External temperature controller and out of water protection function: Easy to use and set the desired temperature. The heating rod will stop working and show an error code “Er” when out of the water.

Memory Function and shut-off automatically: The memory function can maintain the setting when the power is back on. It will stop heating after reaching the set temperature.

Explosion-proof quartz heating tube: Explosion-proof and insulation the quartz tube is safer than traditional coil heaters.

2. PRODUCT SPECIFICATIONS

Model	HG096					
Power	25W	50W	100W	150W	200W	300W
Volt./Freq:	US standard: AC 110-120V/60Hz UK/EU standard: AC220-240V/50Hz					
Cord length	0.3m+1.3m(1ft+4.3ft)					
Application	5-10 Gal (20-40L)	8-16 Gal (30-60L)	10-21 Gal (40-80L)	16-26 Gal (60-100L)	21-32 Gal (80-120L)	26-47 Gal (100-180L)
Temp accuracy	± °F (± 1 °C)					

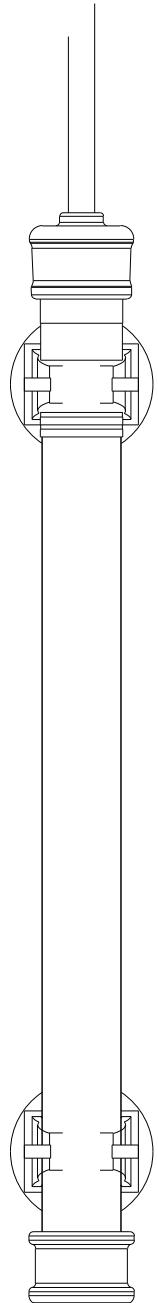
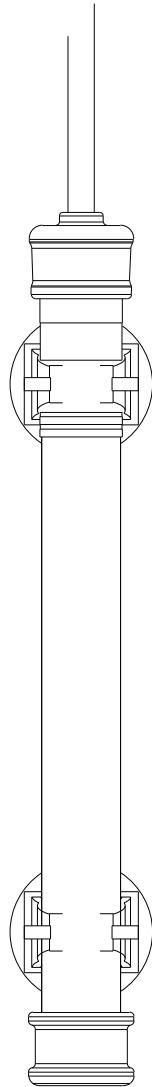
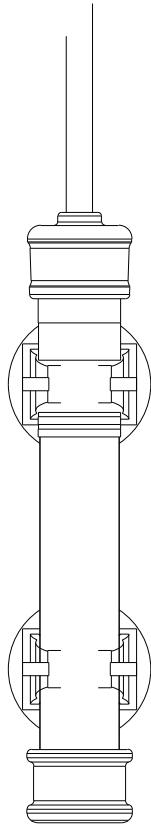
Control range	59°F~93°F(15~34°C)
Temp controller dimension	2.56"x1.3"x0.7"(6.5cmx3.3cmx1.8cm)

Heating rod dimension

25W/50W/100W:
 Φ24x136mm/
 Φ0.95"x5.35"

150W/200W:
 Φ24x196mm/
 Φ0.95"x7.72"

300W:
 Φ24x246mm /
 Φ0.95"x9.69"

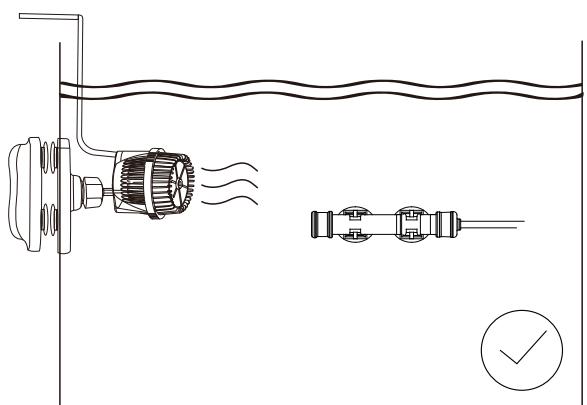
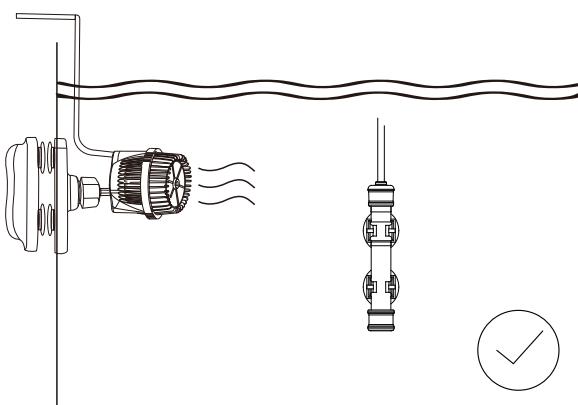


3. APPLICATION

(1) Place the heater as follow diagram:

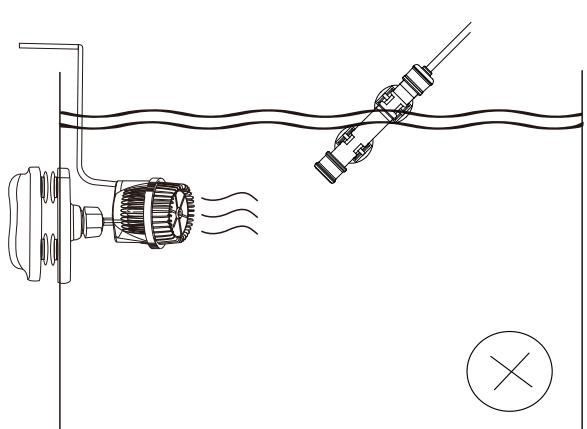
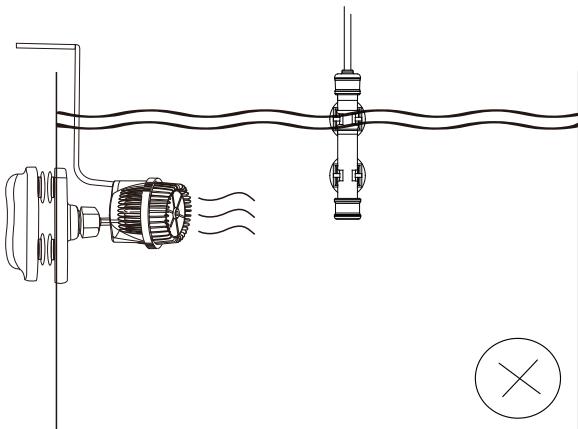
The thermostat should be used higher than the water surface and the heating rod should be complete to work, fish tanks must have wave pumps to keep the water flowing ring flow, otherwise local heating, heating rod display temperature is not prospective.

Correct installation

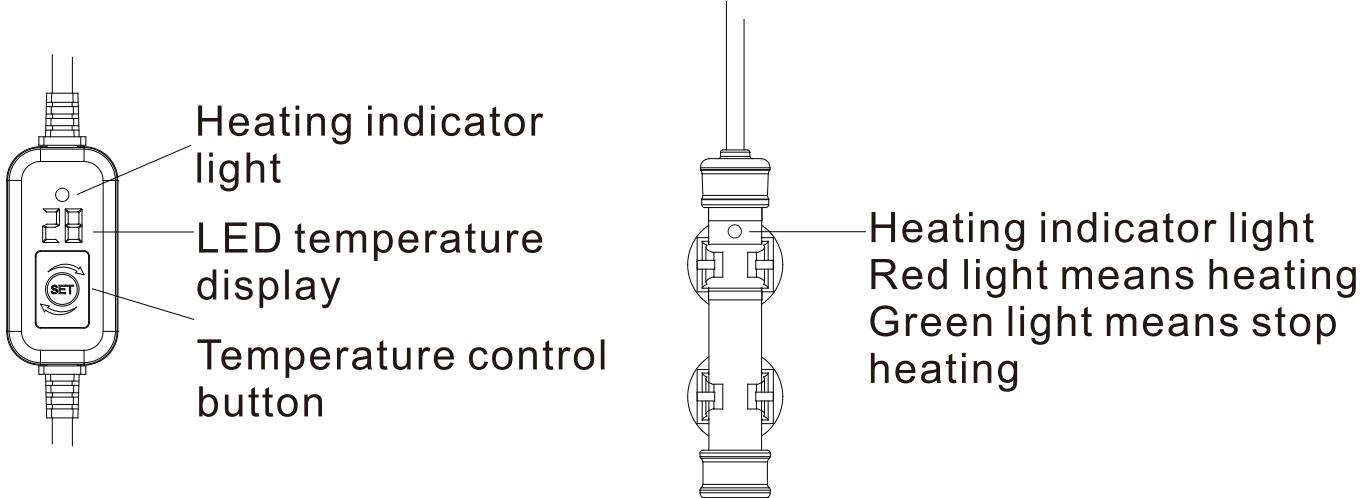


The heating rod must not be exposed to the water

Wrong installation



(2) Application



1. The controller is not waterproof, please do not put it in the water or set in a moist environment. If it accidentally fall into the water, please unplug the power supply immediately.
2. This heating bar is equipped with temperature control function. Please do not mix with other temperature Dual application of controller may cause malfunction or misoperation.

3. Press  button to adjust the temperature. The LED digital display on the device flashes, indicating entering the setting state. Then press the  button to adjust the display value to the required temperature.

For example, your desired temperature is 90°F. Just press the  button until "90" is shown on the display screen and wait for the digit "90" to flash three times; then, it will show the current water temperature.

4. The heating rod displays the current water temperature. If you need to check the setting temperature, Press , the number blinking on the display is set temperature value.

5. After the heating rod is energized, when the LED light turns red, it means that it is working heat up. When the set temperature is reached, the light turns green, the heating stops. The position of the power socket should not be lower than the machine, and a drip bend should be designed behind the plug to avoid water through the wire into the power socket, causing leakage, resulting in a short circuit the accident.

Caution

1. Please confirm whether the voltage of the power supply is consistent with the voltage marked on the package.

2. Carefully check the appearance of the product for any damage during transportation, power plug components, Quartz glass, whether there is any damage, if found, please do not use.
3. Use the heating rod completely immersed in water and not exposed to the water.
4. The product is installed at the outlet of the filtration system to keep the water in the tank fully flowing. Prevent the local temperature around the heating rod from being too high and the water temperature in other areas does not rise.
5. The product can be installed vertically, horizontally and in the tank with the help of the product's strong suction cup inside glass or bottom, but not buried in bottom gravel.
6. The power socket connected by the product must have leakage circuit breaker.
7. Disconnect the power supply 15 minutes in advance before cleaning the sink or maintaining the heating, avoid burning hands
8. The product cannot be disassembled, repaired or modified .
9. This product must be put out of the reach of children.
10. If the product is accidentally dropped during use or removal, check whether the glass shell of the heating rod is damaged. Discard if damaged. Remember not to use electricity, leakage damage and life risk. The above applicable water capacity values are for reference only, when the ambient temperature is below 10°C or when the setting temperature differs from the ambient temperature by 10°C, the set temperature cannot be reached and the heating rod is always heated normally. It is recommended to buy more powerful products.

4. 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.

5. TROUBLESHOOTING

Fault Code	Explanation	Solutions
Er	Out of water shutoff	Fully submersible into the water
EE flash	Over 95°F temperature	Fill into the cool water or wait for 1°F lower temperature and the EE flash will be cancelled

6. 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.

POWER CORD**DRIP LOOP**

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 heater is intended FOR HOUSEHOLD USE ONLY.
14. SAVE THIS USER MANUAL.

7. 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.

8.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.

9.PACKING LIST

1x heater rod with an external controller
2x suction cup
1x user manual

10. CONTACT INFORMATION

E-mail: service@hygger-online.com

Website: www.hygger-online.com