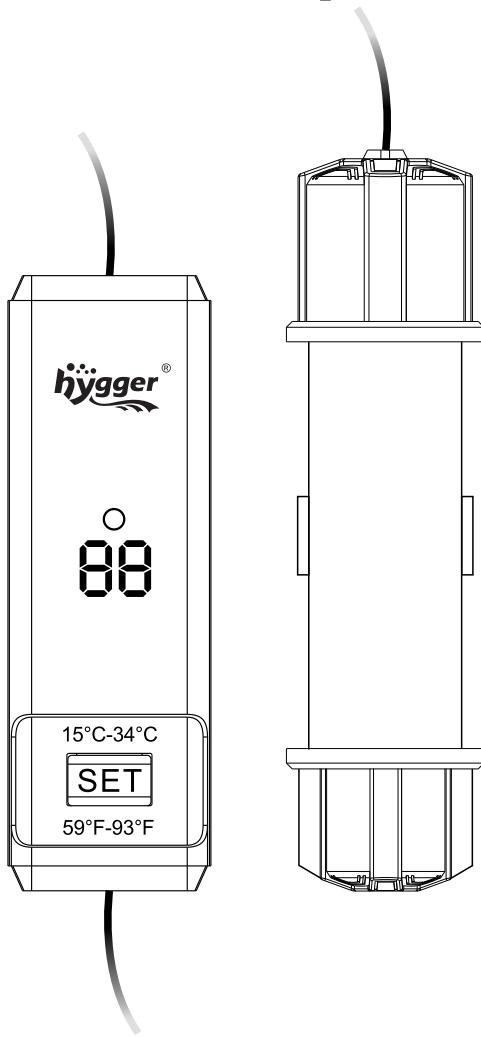




HG031 USER MANUAL

hygger Mini Pro Aquarium Heater



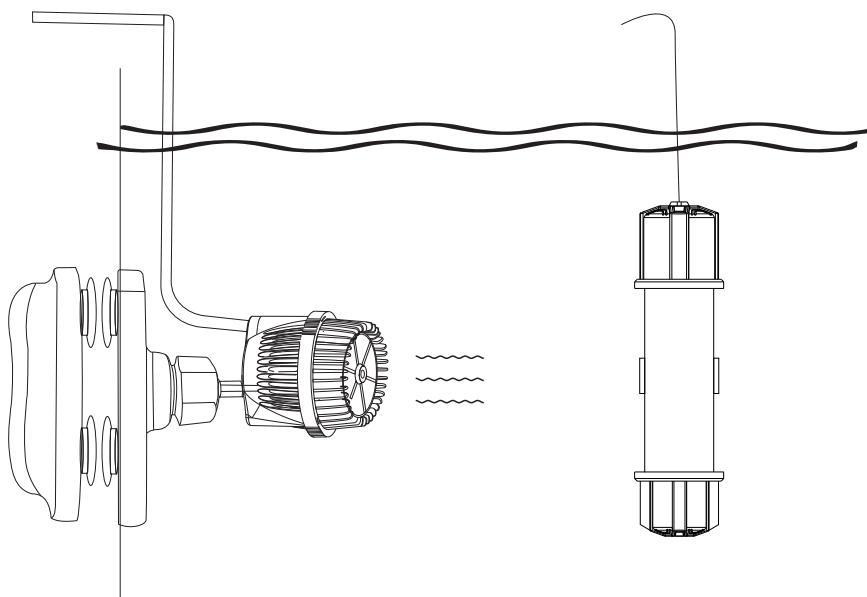
hygger Mini Pro Aquarium Heater is a perfect aquarium heater for 4-100L aquariums and is best for desktop, office, or home use.



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 and two types of temperature conversion: Multi-function LED digital display shows the water temperature clearly and accurately. Press it for 3 seconds can change between Celsius and Fahrenheit.

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 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.

Safety control protects against running dry: The heater will shut off automatically when exposed to air, and the LED display shows "E1". When the temp reach or pass 95°F(35°C), the LED display shows "HH", and then the heater will shut off automatically.

Small size is ideal for small aquarium tanks
Suitable for freshwater and saltwater

2.PRODUCT SPECIFICATIONS

Model	HG031			
Power	10W	25W	50W	100W
Voltage &Frequency	US STANDARD: AC110-120V/60Hz EU/UK/AU STANDARD: AC220-240V/50Hz			
Cord length	0.3m+1.3m(1ft+4.3ft)			
Application	1-5 Gal (5-20L)	5-10 Gal (20-40L)	8-16 Gal (30-60L)	10-26 Gal (40-80L)
Temp accuracy	$\pm 1^{\circ}\text{F}(\pm 1^{\circ}\text{C})$			
Control range	59°F~93°F(15°C~34°C)			
Heating rod dimension	4.14"x1.2" (10.5cm x 3cm)		5.3"x1.2" (13.5cmx3cm)	
Temp controller dimension	3.94"x1.2"x0.87" (10cmx3cmx2.2cm)			

3.INSTRUCTIONS

A) The digits start to flash 3 times when connected to the power supply. Then you can adjust it to the desired temperature. The indicator light turns red, indicating the heater is on.

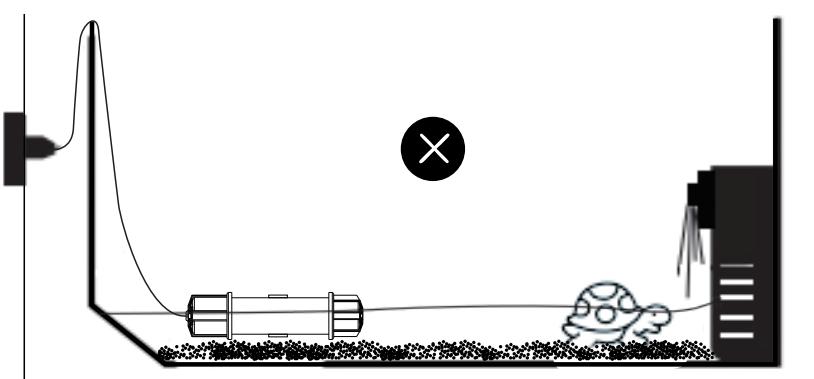
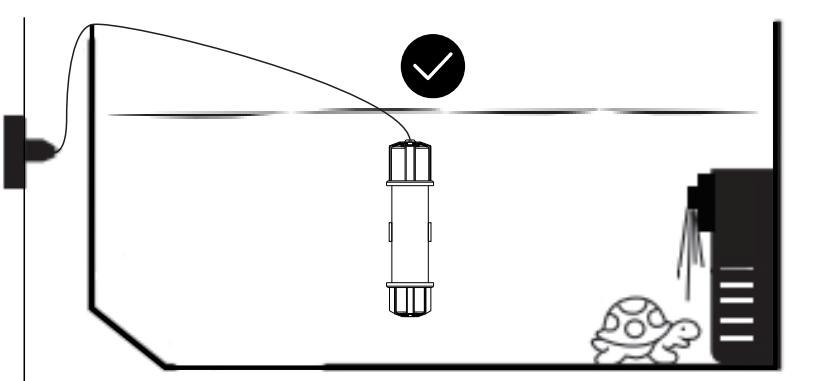
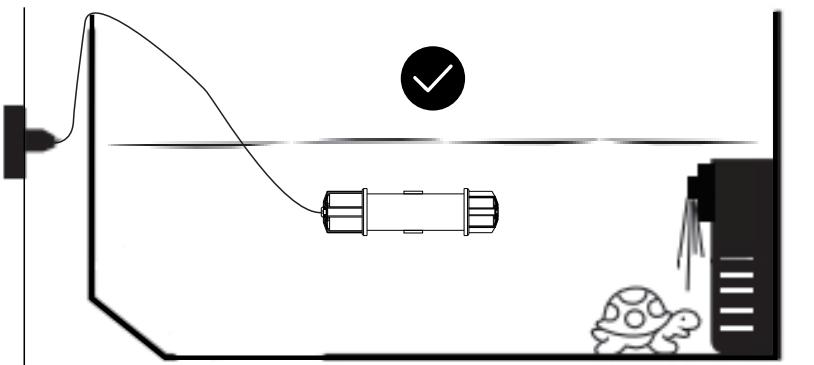
B) It will turn blue when the heater reaches the set temperature, which means the heating rod is not heating. It will start heating when the temperature is lower than 1°C .

For example, your desired temperature is 90°F (32°C) . Just press the "SET" button until "32" is shown on the display screen and wait for the digit "32" to flash three times; then, it will show the current water temperature. Your setting is done. The "SET" button can check your setup record in one clip.

C) Long press 3 seconds to change between Celsius and Fahrenheit.

APPLICATION:

Place the heater as follow diagram:



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
E1	The heater shuts off automatically when out of water	Fully immerse the heater in water
Flashing "HH"	Over 95°F(35°C) temperature	Fill with cold water or wait for the temperature to drop 1°C and the flashing "HH" will automatically be cancelled

6. WARNING

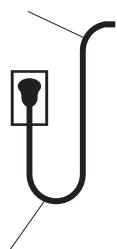
To avoid possible electric shock, do not immerse the switch in the water. If the switch falls into the water or becomes wet, do not touch it until you have unplugged it. Basic safety precautions that should be observed are as follows:

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 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.

7. ATTENTIONS

- ✓ Please check all the items to inspect their condition when unboxing the package.
- ✓ Please read this user manual carefully before using it 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 this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary. This product must not be disposed together with the domestic waste. This product has to be disposed at an authorized place for recycling of electrical and electronic appliances. By collecting and recycling waste, you help save natural resources, and make sure the product is disposed in an environmentally friendly way.



9.PACKING LIST

- 1x Heater rod with an external controller
- 1x Suction cup
- 1x User manual

10.CONTACT INFORMATION

E-mail: service@hygger-online.com

Website: www.hygger-online.com