



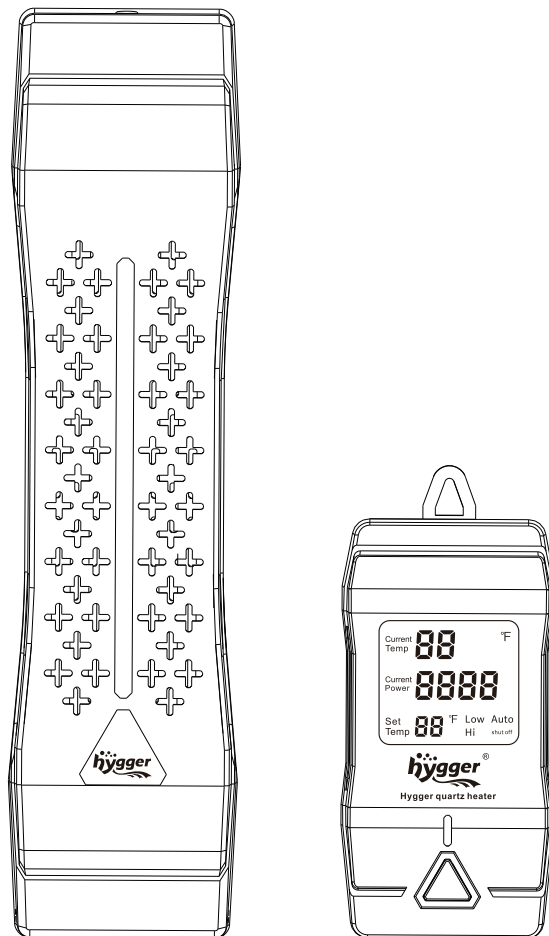
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# HG115 USER MANUAL

## hýgger quartz heater



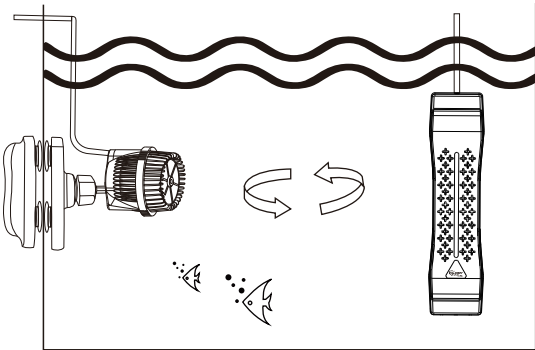
hýgger quartz heater is the perfect aquarium heater for your freshwater or saltwater aquariums.

**\*\*Reminder: The controller is not waterproof, do not allow it to get wet\*\***



## ATTENTIONS:

- 1) Fully submerge the heater in water when it's on duty. Unplug the heater and wait for 15 minutes before changing the water or removing it.
- 2) Please make sure there is enough water flow and water circulation in your fish tank when using the heater.



- 3) Please do not bury the heating rod or use it near the sand.
- 4) The actual power display tolerance range  $\pm 10\%$  is acceptable because this is the normal power consumption of electronic components within the allowable range.

## 1. PRODUCT FEATURES

**Rapid heat accumulation:** The heating rod is made of explosion-proof quartz glass material and high-temperature resistant nickel-chromium heating wire with silicon carbide heat conductivity; therefore, the water heats up faster, the heating is safer, and the heater is more durable. The double heating rod makes it a more powerful heater.

**LED digital temperature display:** LED digital display screen shows current water temperature and set temperature in degrees Fahrenheit, with additional features such as low/high temperature markers and an auto shut-off warning sign. The external controller for easy setup and operation. Every touch changes the set temperature by  $1^{\circ}\text{F}$  ( $1^{\circ}\text{C}$ ). The beautiful marquee indicator light shows heating status.

**Precise temperature control:** When the current water temperature is 1°F (1°C) below the set temperature, the indicator light turns red and heating begins. When the water temperature reaches the set temperature, the indicator light shows zero power. The temperature range of the heating rod is from 59°F (15°C) to a maximum of 93°F (34°C) to prevent harm to aquatic life, and when the temperature reaches 95°F (35°C), a HH warning signal will be displayed.

**Easy operation:** Connect the heater to a socket to use it. The clear LED display is easy to read and has one keypad for easy operation.

**Automatic power-off and warning signal:** When the heating rod is exposed to air, the heater will flash auto shutoff error code and emit a warning signal. When the heating rod is completely immersed in the water, it will start working again.

**Accurate, reliable and durable:** These double quartz tubes are made of premium materials and have a precise scientific design. Our heater provides years of reliable use.

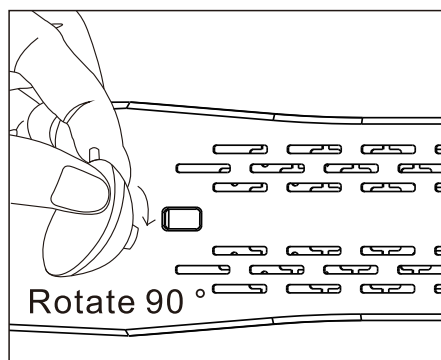
**Memory function:** If the power is shut off, the heater will maintain the previous temperature settings until it is turned on again.

## 2.PRODUCT SPECIFICATIONS:

Volt./Freq.		US standard: AC110~120V/60Hz EU/UK/AU standard: AC220~240V/50Hz				
Model	Cord length	Application	Temp accuracy	Temp Tolerance range	Control range	Heater rod dimension
HG115 -300W	3.9ft+ 6.2ft (1.2m+ 1.9m)	40~80Gal (152~302L)	0.1°F (0.1°C)	±1°F (±°C)	59°F-93°F (15°C~34°C)	11.8"*2.8" *1.4" (29.9X7X 3.5CM)
HG115 -500W		66~135Gal (250-343L)				
HG115 -800W		80~220Gal (302-383L)				
HG115 -1000W		130-260Gal (492-984L)				
HG115 -1200W		160-280Gal (600-1060L)				

## 3.INSTRUCTIONS

A) Install the sucking cup onto the heater rod, and turn it 90° to lock the cups.



B) Connect the heater to the socket to use it.

## 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

<b>Fault code</b>	<b>Explanation</b>	<b>Solutions</b>
LL	Aquarium water temperature is below 59°F (15°C)	Raise the temperature
HH	Aquarium water temperature reaches 95°F (35°C)	Lower the temperature
EE	Sensor fault	Return to the seller
Display shows flashing “shut-off” and emit warning sound	The heater is out of the water and exposed to air	Fully immerse the heater in water and it will start working again

## 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.

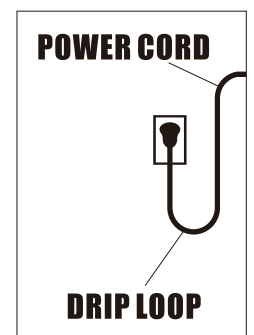
2. **DANGER-** To avoid possible electric shock, special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations, do not attempt to repair yourself. Instead, return the heater to an authorized service facility for maintenance or discard it.

A. If the heater shows any sign of abnormal working, 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.



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 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. ONE YEAR LIMITED WARRANTY**

This product **MUST** be purchased from an authorized hygger reseller. Visit our website for a list of authorized resellers. hygger warrants this product against defects in materials and workmanship for **ONE(1) YEAR** from the date of the original retail purchase and is none-transferable.

Warranty on all products, including aquariums. But it is limited to the replacement of the products and does not cover fish loss, personal injury, property loss or direct, incidental or consequential damage caused by using this product.

Note: hygger One-year Limited Warranty does not cover damage caused by the followings: improper installation, saltwater corrosion, electrical surges or modifications. Additionally, products that have been refunded are also not covered under the warranty.

If you discover a defect, please contact hygger, who will, at it's option, repair or replace the product at no charge, provided that you return it during the warranty period. A copy of the bill of sale is required as a proof of the original purchase date in the event of the product needing repairs within the warranty period. hygger does not warrant any products that aren't hygger's.

This warranty does not apply if the product has been damaged by accident, abuse, misuse or misapplication, or modified without the written permission of hygger.

## **9.DISPOSAL**

Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary. This product has to be disposed at an authorized place for the recycling of electrical and electronic appliances rather than being disposed 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 in an environmentally friendly way.

## **10.PACKING LIST**

1x Heating rod  
1x Controller holder  
3x Suction cup (1pc spare part is included)  
1x Hook  
1x User manual

## CONTACT INFORMATION

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