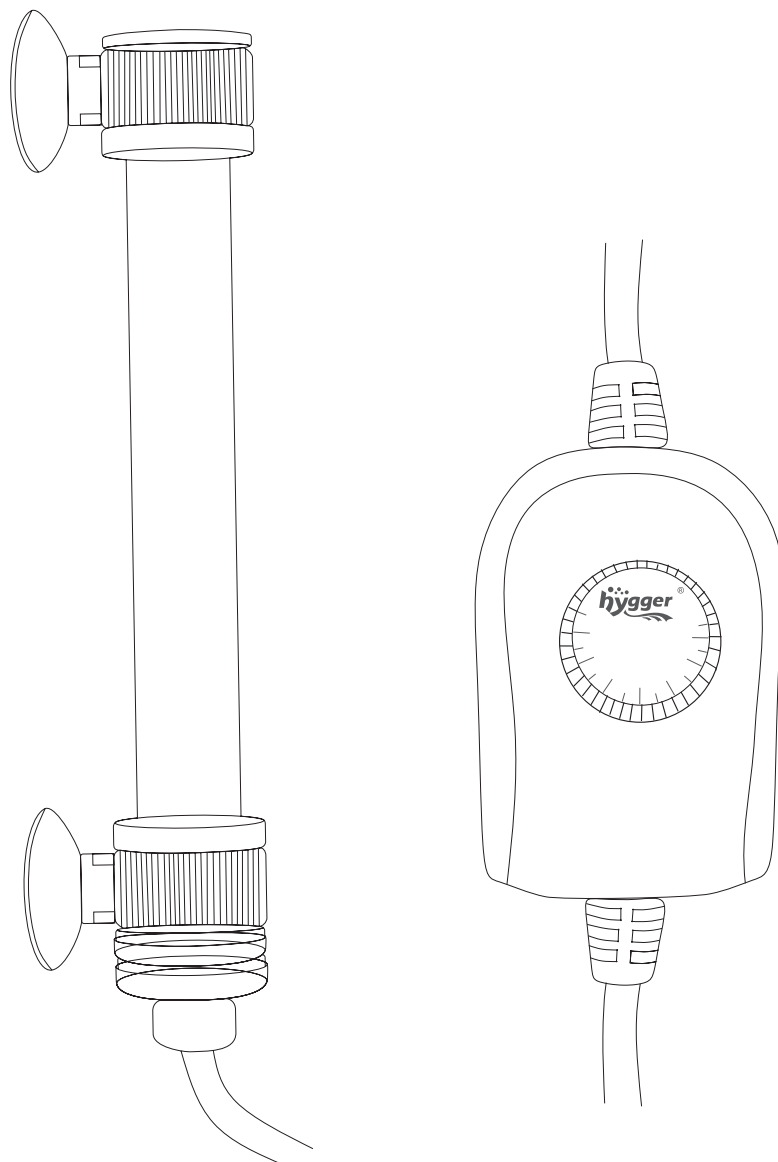




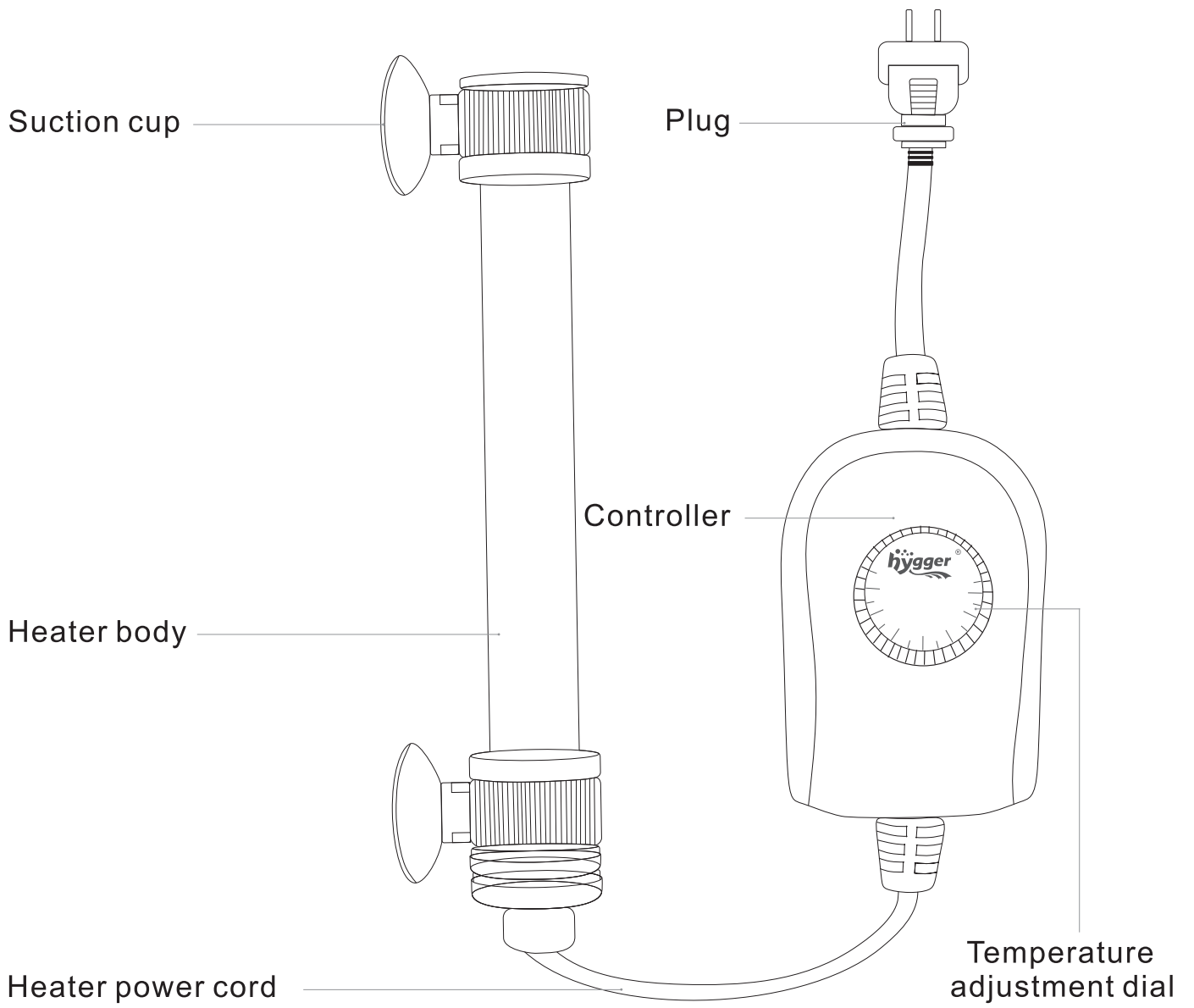
HG-943 USER MANUAL

HYGGER QUARTZ AQUARIUM HEATER



Thank you for purchasing Hygger aquarium heater. Please read this manual carefully and use it correctly and safely. After reading, please keep it in a place where it can be taken out anytime.

1. Name of each part



2. Attentions

The following are the items that can cause serious accidents such as burns, electric shocks, short circuits, fires, etc. Please be sure to read and understand before use. If you have any question, please contact us before use .

1. Indoor/Underwater Only This thermal insulation device was developed and designed for fish, so please do not use it for other purposes.
2. Turn off all electrical devices related to the tank before you get it inside the tank. Also, even after the power is turned off, the heater itself becomes very hot due to residual heat, which is very dangerous. Before removing the heater, leave it in the water for more than 20 minutes after turning off the power.
3. Do not use a wet hand to insert or remove the plug to the power outlet.
4. Do not use the power cord in a bundle or in a bent state. In addition, please do not lay under or sandwich the furniture when wiring.
5. When removing the plug from the power outlet, always grasp the plug (resin part) and pull it straight out.
6. If the power cord plug gets wet or dropped, discontinue use immediately. In addition, please discontinue use it when you find it abnormal or defective.
7. Be aware that item can be damaged by your large fish like strong biting fish.
8. Do not intentionally apply force to the heater body or remove the accessories of the heater body. Also, never repair or remodel the heater body.

Request for safe and comfortable use of the product

■ Management of water temperature

In order to control the water temperature properly, use an air pump and a filtration device to stir or circulate the water in the tank.

In order to protect the important fishes from breakage, disconnection, and breakage etc. of the heater, please use the water temperature gauge regularly and carry out the water temperature control.

It is recommended to use a highly reliable water temperature gauge with an indication of accuracy.

■ Management of water volume

The evaporation of the breeding water is faster than expected, and the heater body may be exposed to the air before it is noticed. Not only the product life will be shortened, it will also lead to serious accidents such as fires, so water volume needs to be managed on a daily basis.

In particular, be careful when the air is dry even in low temperatures, such as winter, because evaporation is significant.

Also, when using a cooling fan in summer, be aware that the amount of water may decrease sharply.

■ Care of the heater tube

After use of the heater, calcium carbonate contained in algae and breeding water such as moss may clump and adhere to the heater tube.

If dirt adheres to the heater tube, use a sponge or cloth and water to wipe it out early. Do not use alcohol or other medicines as this may damage the heater or damage the health of the breeding fish.

When used for a long time with the dirt attached, please be aware that it may cause failure due to the inability to control the temperature correctly.

■ Cleaning the plug and around outlet

If dust, water, salt, etc. get between the power outlet and the plug, it may cause a serious accident such as a tracking fire.

Because the area around the water tank is especially humid, you need to be careful. Please clean and check the outlet plug and its surroundings regularly.

Do not use outlets or plugs that show abnormalities such as rust or deformation due to adhesion of water or salt.

■ Prepare spare heat retention equipment

The heater is a highly exhausted electrical product that operates 24 hours under water and repeats ON / OFF.

Although there are differences depending on the operating environment and conditions, in about one year, the heating wire inside the heater will be in a state that consumption of metal deterioration is progressing.

In addition, the heat of the heater and breeding water will also cause the body to deteriorate.

If you continue using it as it is, it will suddenly become unusable due to the end of life because of disconnection or other questions.

In order to ensure safety, please reserve spare heat-keeping equipment and replace it with a new product after a year as a guide.

■ About temperature control range

If the ambient temperature of the water tank falls below 15 ° C (59°F) in winter, the water temperature may fall below the control range, even with the proper water volume, but this is not a malfunction of the product.

Please note that higher wattage (W) heaters will be required if the aquarium is installed where the ambient temperature is below 15 ° C (59°F).

If the breeding water is not circulated or stirred, the breeding water will be in a stagnant state, and the water temperature in the tank will not be uniform, and there may be variations depending on the position where the water temperature is measured.

3. Set procedure

Step 1. Place the heater in water with the suction cups.

Step 2. Plug the heater into the outlet.

Step 3. Set the desire temperature with the temperature adjustment dial.

4. Warning

1. Make sure that the heater is completely submerged.

2. Fix the heater securely with suction cups.

3. Please do not bury or contact the heater with the gravel.
4. The heater body is made of quartz, so please handle with care.
5. Make sure that strong water flow near the filter outlet and inlet and the air pump air bubbles do not hit the heater tube directly.

5. Product Specifications

Rated voltage	AC 110-120V 60Hz	AC 110-120V 60Hz
Rated power consumption	AC 110-120V 60Hz	AC 110-120V 60Hz
Control temperature range/accuracy	【72°F-90°F】 ±1°F	【72°F-90°F】 ±1°F
Adapted water volume	5~10G	10~21G

Since the heater tube is made of quartz, please be careful about handling and make sure that there are no cracks before using it. Also, be sure to read the attached instruction manual and set it correctly.

6. Contact Information

E-mail: service@hygger-online.com

Website: www.hygger-online.com