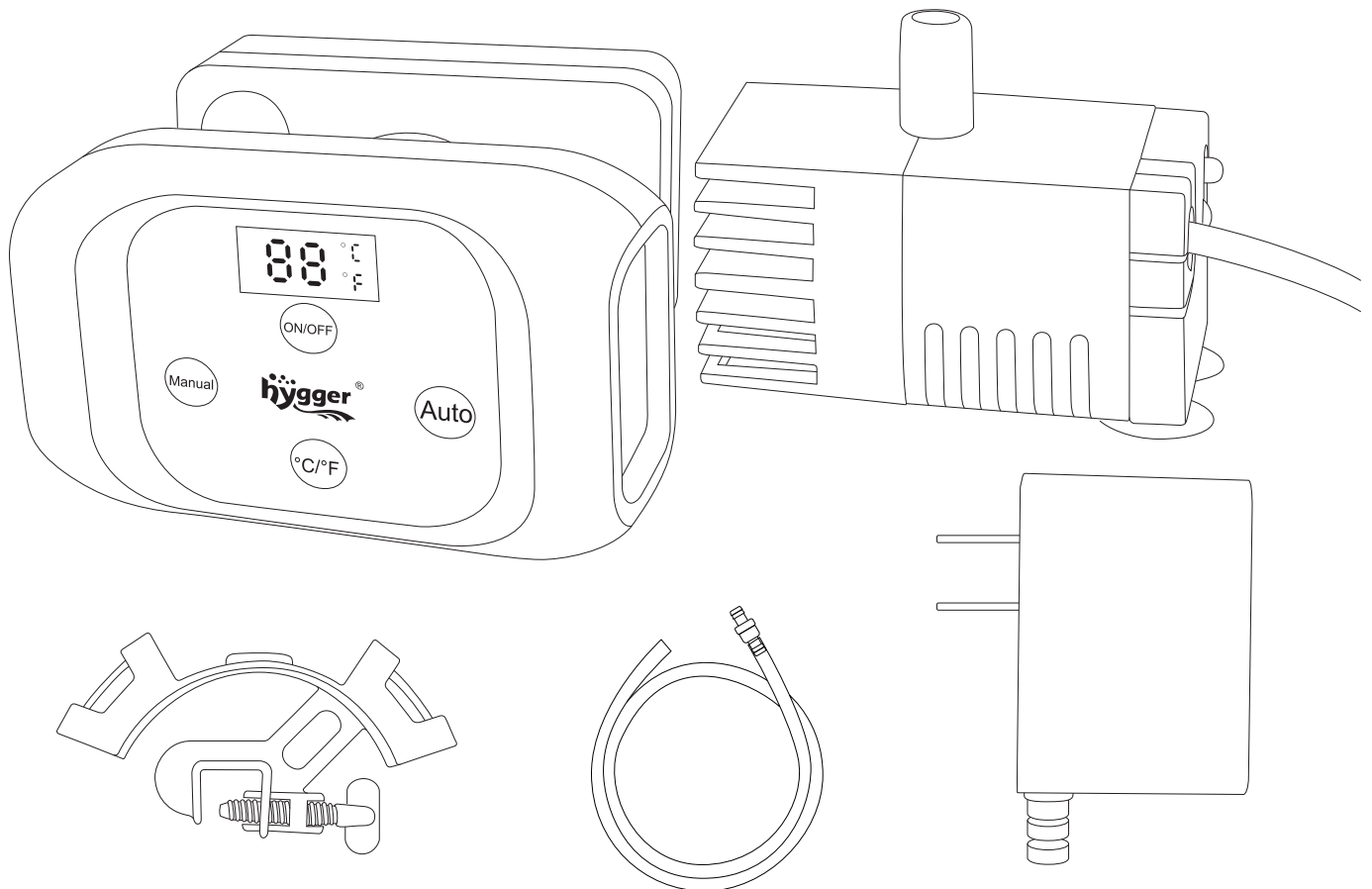




HG229 USER MANUAL

hygger MagSense Aquarium ATO Refill System



Attention: To prevent siphoning, the soft outlet hose should be above the water surface.

hygger MagSense Aquarium ATO Refill System is designed for automatic water filling and manual drainage. It can be installed in a cabinet-type filter or directly on the edge of an aquarium. Connect the water pump, external sensors, and power supply to the monitor, which is ready to work. The two built-in sensors provide overflow protection. When the water level drops below the minimum, the power will be activated, the pump will work automatically, and it will shut down once the level reaches the maximum.

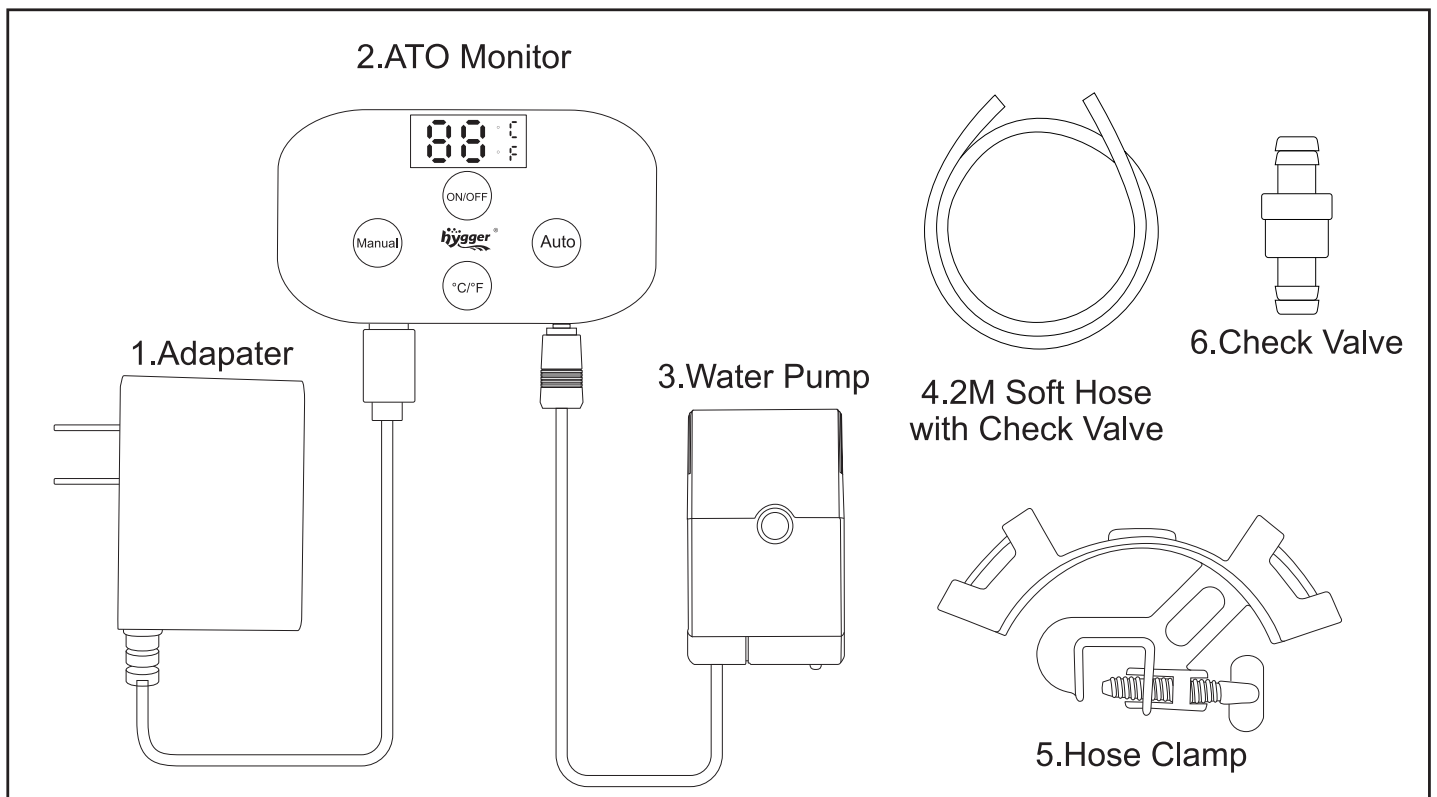
1. PRODUCT FEATURES

- **Easy-to-use Interface with Magnetic Holders:** 4 Functions are displayed on the interface: Manual refill, Auto refill, °C/°F switch, Power ON/OFF and current water temperature display.
- **Safe Low-power Input and Magnetic Induction Charging:** It features innovative magnetic induction charging technology, which is more scientific and technological.
- It is equipped with built-in dual probe sensors to monitor the water level, ensuring the ideal level and providing dual protection to prevent it from being too high. When the water level is too low, the external sensor will be activated, and an alarm will be triggered.
- **Dual Functions:** Automatic water filling and one-click drainage.
- **Suitable for Saltwater and Freshwater:** Designed for different sizes of tanks. Fits for fish tanks with a thickness of less than 10 mm.

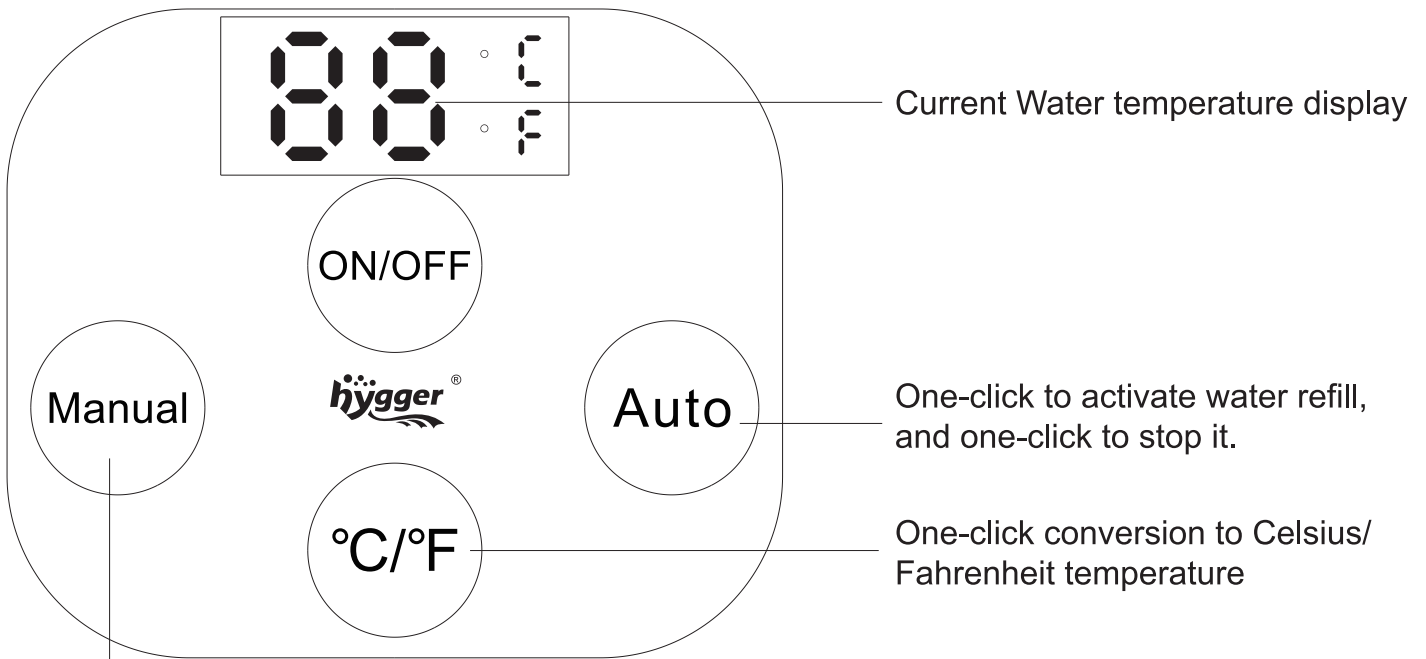
2. PRODUCT PARAMETERS

Model	HG229
Product Size	Length:3.15Inch(8CM);Width:1.96Inch(5CM)
Water Pump	
Volt/Freq	Input:100-240V 50/60Hz Output:12V 1A
Water Flow	53GPH(200L/H)
Pump Head	4.9FT/1.5M
Hose Diameter	Inner: 6mm Outer: 9mm
Hose Length	6.5FT/2M

3. INSTALLATION INSTRUCTIONS



Controller Display Instruction



Current Water temperature display

One-click to activate water refill, and one-click to stop it.

One-click conversion to Celsius/ Fahrenheit temperature

One-click to switch manual water refill, and one-click to stop it.

4. TROUBLESHOOTING

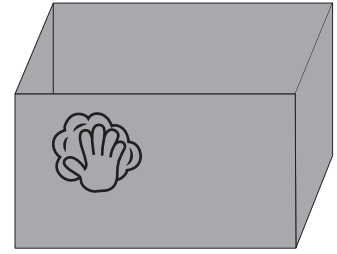
Trouble Shooting	
Issue	Solution
E1 alarm program communication is not connected (the wireless circle is not powered on).	After the water refiller is attached to the base, the temperature display on the screen is normal, it indicates that the water refiller is working properly.
E2 alarm or the display screen does not show the temperature. The reason is that the internal temperature probe on the base has malfunctioned.	Contact the seller for after-sales service.
E5 Alarm: 1) Water pump shortage alarm 2) The water pump is not connected.	1) Fully submerge the pump in the water. If the temperature display on the screen is normal, it indicates that the water refiller is working properly. 2) After connecting the pump, if the temperature display on the screen is normal, it indicates that the water refiller is working properly. 3) The E5 code displays on the screen. You need to restart the device and then set the automatic water refiller. When the water refiller returns to normal, the current water temperature will display on the screen.
Red indicator lights up on the water pump: water shortage protection. Blue indicator lights up on the water pump: the pump is working normally.	Fully submerged the pump in water when red indicator lights up.

5. APPLICATION INSTALLATION

1) Connect the soft hose to the water pump, insert the hose into the hose clamp, and then connect the check valve to the end of the hose.

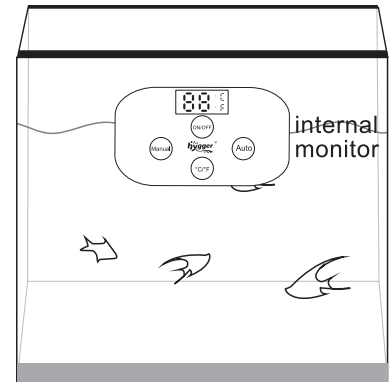
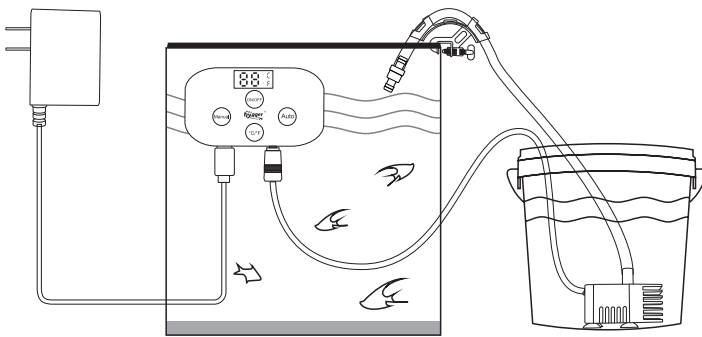
2) Insert Type-C port and water pump jack into water refiller.

3) Clean the position where you want to place the monitor and its part inside. Place the monitor away from air bubbles.



4) Mount the ATO on the tank and make sure it's in line with the water level.

5) Place the monitor horizontally.



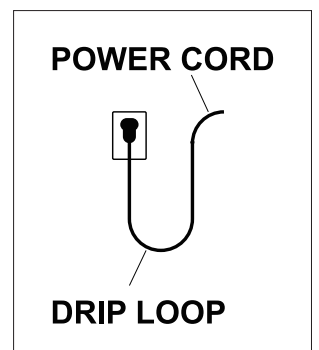
6. ATTENTION

- Please read the manual carefully before use and follow all instructions.
- The Reserve tank and the aquarium should not be taller than 4.9 feet(1.5m); the reserve tank's water level shall not be higher than the aquarium.
- The optical sensor is sensitive, please remove the dust from the sensor.
- Clean the wet side of the monitor when cleaning the fish tank.
- Please ensure the external monitor will not drop into the water because it's not waterproof.
- Please unplug the power before maintenance.
- Please remember that the temperature range for the ATO is 23°F~113°F.

7. WARNING

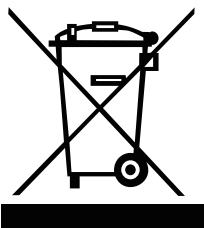
To avoid possible electrical shock, do not immerse the switch in water. If the switch falls into the water, or otherwise becomes wet, do not touch it until you have unplugged it. Basic safety precautions should be observed including the following:

1. Read and follow this user manual strictly.
2. DANGER-To avoid possible electric shock, special care should be taken. For each of the following situations, do not attempt to repair yourself; return the appliance to an authorized service facility for service or discard it.
 - A. Carefully examine the ATO after installation. It should not be plugged in if there is water on parts not intended to be wet.
 - B. Do not operate the ATO if it has a damaged cord or plug, if it is malfunctioning or if it is dropped or damaged in any manner. The power cord of the appliance cannot be replaced, if the cord is damaged, the ATO should be discarded.
 - C. To avoid the possibility of the ATO plug getting wet, position the aquarium stand and tank to one side of a wall-mounted receptacle to prevent water from dripping onto the receptacle or plug. A “drip loop”, shown in the figure below, should be arranged by the user for each cord connecting the ATO to the receptacle. The “drip loop” is the part of the cord below the level of the receptacle or the connector. If an extension cord is used, prevent water from traveling along the cord and coming in contact with the receptacle. If the plug or receptacle does get wet, DO NOT unplug the cord. Disconnect the fuse to the circuit breaker that supplies power to the ATO. Then unplug and examine for the presence of water in the receptacle.
3. Close supervision is necessary when the appliance is used near children.
4. Make sure the appliance is securely installed before operating it.
5. Read and observe all the important notices on the appliance.
6. The appliance is intended FOR HOUSEHOLD USE ONLY.
7. SAVE THIS USER MANUAL.



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 ATO Monitor

1x 2m soft hose with check valve

1x Hose clamp

1x Adapter

1x Water pump

1x User manual

10. CONTACT INFORMATION

E-mail: service@hygger-online.com

Website: www.hygger-online.com