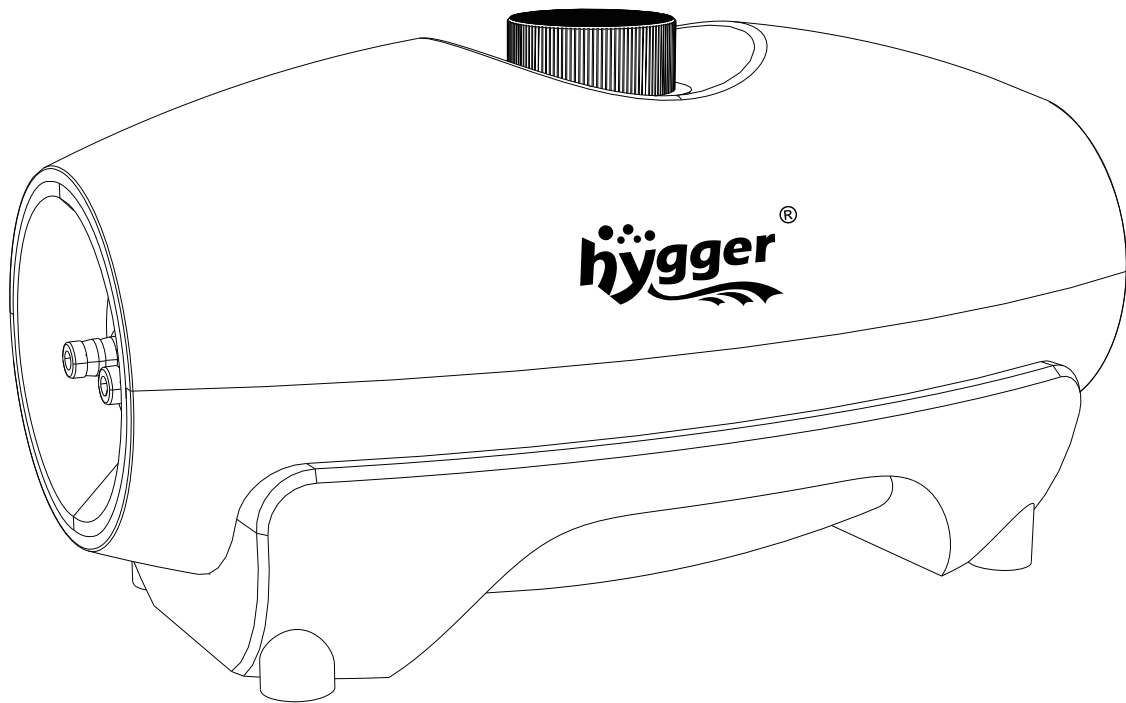




HG133 hygger Submarine Air Pump User Manual



hygger Submarine Air Pump is ideally suited to supplying air pressure to air stones, filters, and protein skimmers which use ceramic air stones. Please read this manual carefully before use and keep it for future reference; follow the instructions to ensure proper use.

1. PRODUCT FEATURES

Energy-efficient: Utilizing the latest energy-saving technology, this air pump operates with superior efficiency, consuming less power than traditional models while delivering exceptional performance.

Low noise operation: Anti-vibration foot pads at the bottom minimize vibration and ensure low noise operation. In addition, the built-in noise suppression system further reduces vibration, making it perfect for maintaining a quiet aquarium environment.

Adjustable airflow: Equipped with a convenient adjustable dial, this air pump allows you easily regulate the air output as needed.

Powerful: 5w air pump with dual outlets delivers 140 gallon per hour air volume and water depth up to 6.5 feet. 8w air pump with dual outlets delivers 250 gallon per hour air volume and water depth up to 6.5 feet.

2. PRODUCT SPECIFICATIONS

Model	HG133	
Power	5W	8W
Volt/freq	US standard: AC 110-120V/60Hz UK/EU/AU standard: AC 220-240V/50Hz	
Air flow	140GPH(530L/H)	250GPH(950L/H)
Pressure	20Kpa	30Kpa
Product dimension	7.3x3.7x4.3"/18.5x9.5x11cm	8.7x4.1x5"/ 22x10.5x12.5cm
Suitable depth	< 5ft/1.5m	< 5ft/1.5m

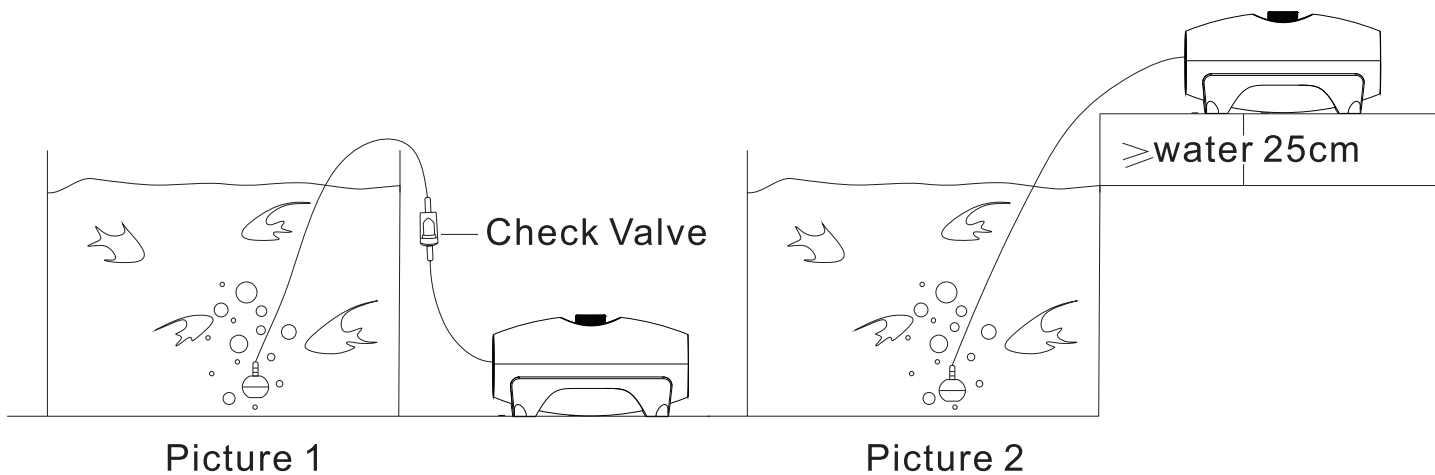
3. INSTRUCTIONS FOR USE

1. Connect air tubing to the dual outlet of the air pump.
2. Cut the air tubing between the device and the air pump and connect the check valve in between. The end of the check valve with the flapper (which looks like a colored or horizontal bar) should be facing the air pump.
3. Connect the air tubing to the air stone.
4. Plug in and go.

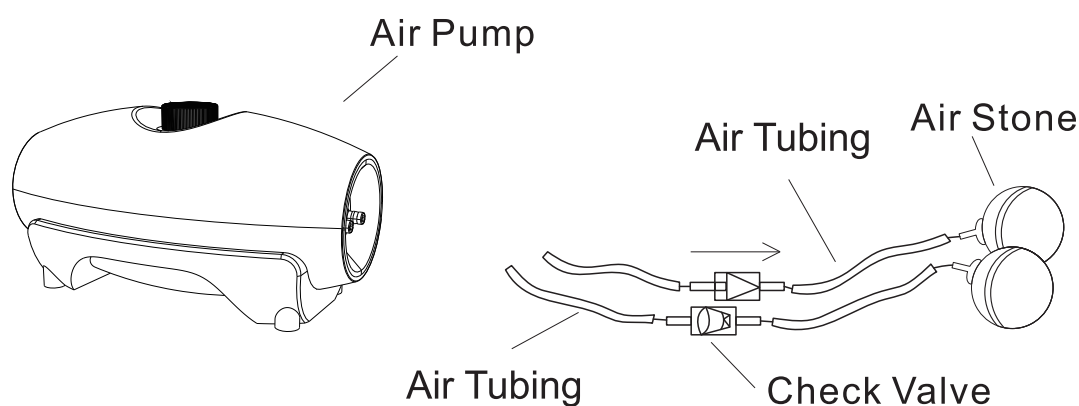
A. There are two installation methods for the air pump:

Picture 1: If the air pump is placed below the level of the water surface in the tank, you MUST install the air pump with check valves. If you do not use a check valve, the water will drain back to the pump, resulting in damage to it.

Picture 2: Place the air pump 25 cm (approximately 10 inches) higher than the water surface in the tank to avoid water back flow.



Install the air pump with check valves:



B.Adjust the air volume:

If you want to adjust the air volume, simply turn the dial on the top of the air pump, from 10% to 100%.

4. ATTENTION

- Please read this user manual carefully before using and follow it strictly.
- Locate Unit above Water Level to Prevent Water Flowing Backwards (or fit with a non-return valve)
- Place the air pump level on a flat surface and put a towel or rubber mat under the pump to further reduce the sound.
- Please keep the air pump away from water since it is not waterproof.
- Please keep the air pump away from open flame to avoid accidents.
- Please unplug the power and contact the seller if the air pump is making abnormal sounds, overheating or has no air output.

OPENING WILL VOID WARRANTY

- Please soak the air stones for 1-2 hours before first use to get perfect bubbles with this pump.
- Please note that the reduced airflow is usually caused by clogged air-stone, which is the result of algae, floating debris, and mineral deposits accumulated in the pores. Please try to clean it or replace it.
- Please unplug power before maintenance.
- Please mind that the operating temperature range for the air pump is between 33.8°F~95°F (1°C~35°C).
- Please mind that the maximum water depth for the attached air stone is 6.5 feet (2m).

5. TROUBLESHOOTING

Fault	Explanation	Solutions
Noticeable Noise	Place at uneven surface	Ensure the air pump is placed on an even surface with towel at bottom
Reduced airflow	Water too deep	Shorten the distance between air pump connected device and water surface
	The air stone was not soaked in the water before use	Soak the air stone in the water for half an hour before first use.
Not working	Failed to connect the power supply	Plug the cord into an outlet
	Damage	Contact seller

6. WARNING

To avoid possible electric shock, do not immerse the pump in the water. If the pump 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:

CAUTION: To prevent possible electrical shock resulting from water back-siphoning, the pump should be used with a check valve or positioned higher than the tank's water level.

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 pump to an authorized service facility for maintenance or discard it.

A.If the pump falls into the water, do not touch it. First unplug it, then retrieve it. If electrical components of the pump get wet, unplug the pump immediately.

B.Carefully examine the pump 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 pump if it has a damaged cord or plug, is malfunctioning, dropped or damaged in any manner. The power cord of this pump cannot be replaced. If the cord is damaged, the pump should be discarded.

D.To avoid the possibility of the pump 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 pump 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 pump. 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 pump is used near children.

4.To avoid injury, do not contact moving or hot parts.

5.Always unplug the pump 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.

6.Do not use the pump 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.

7.Do not install or store the pump where it will be exposed to extreme weather or temperatures below freezing. This pump is suitable for use in water temperatures between 40~95 °F .

8.Make sure the pump is securely installed before operating it.

9.Read and observe all the important notices on the pump.

10.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 pump rating may overheat. Care should be taken to arrange the cord so that it will not be tripped over or pulled.

11. The pump is suitable for household, aquarium and other occasions.

12. SAVE THIS USER MANUAL.

7. 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.

8. PACKING LIST

1x Air pump	2x Check valve
1x User manual	2x Air tubing
2x Air stone	2x Suction cup

9. CONTACT INFORMATION

E-mail: service@hygger-online.com

Website: www.hygger-online.com