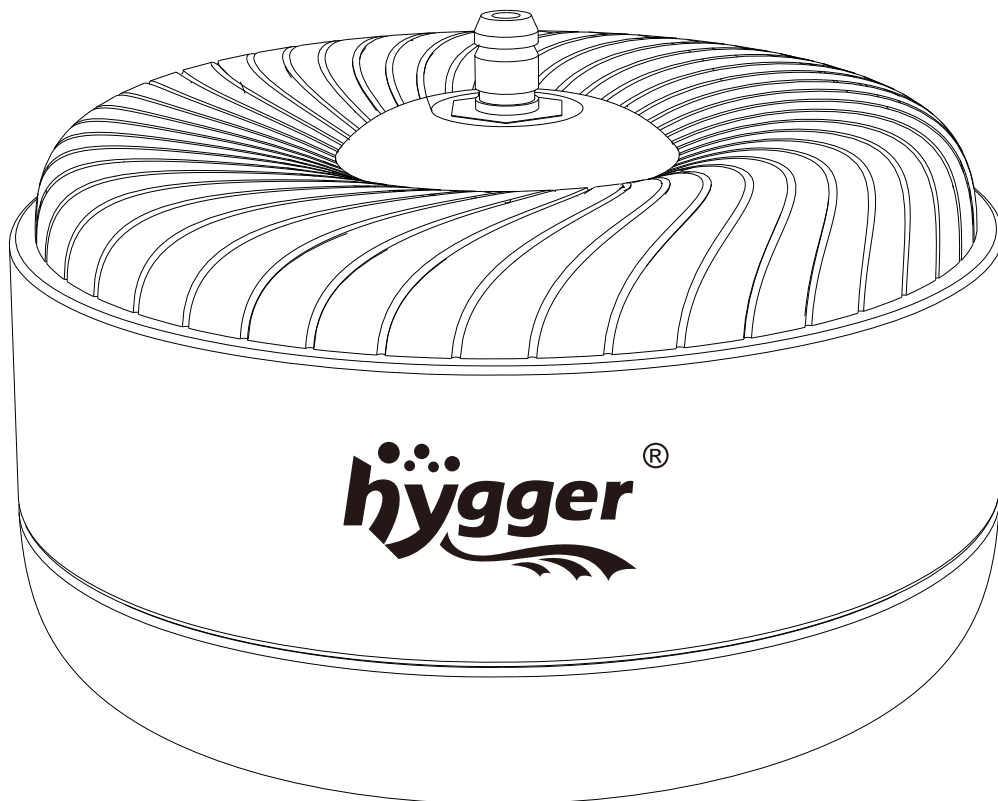




HG078 USER MANUAL

hygger circular air pump

The hygger circular silent air pump offers a truly fantastic solution for delivering customizable airflow to your beloved aquariums!



****Please read this manual carefully before using and follow all instructions. ****

1. PRODUCT FEATURES

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

Whisper-quiet operation: The pump features a double-layer sound insulation design, minimizing vibrations and ensuring an ultra-quiet operation. Additionally, the built-in noise suppression system further reduces vibrations, making it a perfect choice for maintaining a peaceful aquarium environment.

Adjustable airflow: Equipped with a convenient adjustable valve, this air pump allows you to easily regulate the air output according to your desired settings.

Super-powerful: the air pump is suitable for various settings, including aquariums, pet stores, seafood restaurants, and even living rooms.

More durable: Crafted from durable materials and engineered with precision, this air pump ensures long-lasting performance.

2. PRODUCT SPECIFICATION

Volt. /Freq	US Standard: AC 110-120V/60 Hz EU/UK/AU Standard: AC220-240V/50 Hz Japan Standard: AC 100-120V/50-60 Hz	
Power	3W	8W
Air flow	50 GPH	140 GPH
Sound	≤ 35dB	≤ 35dB
Pressure	0.02 Mpa	0.03 Mpa
Depth	5FT/1.5M	5FT/1.5M
Cord length	6 FT/1.8M	6FT/1.8M
Application	Up to 100 Gal (378L)	Up to 300 Gal (1135L)
Dimension	6.5 * 5.7 * 4.1inch (16.5*14.5*10.5cm)	7.5 * 6.7 * 4.7inch (19*17*12cm)

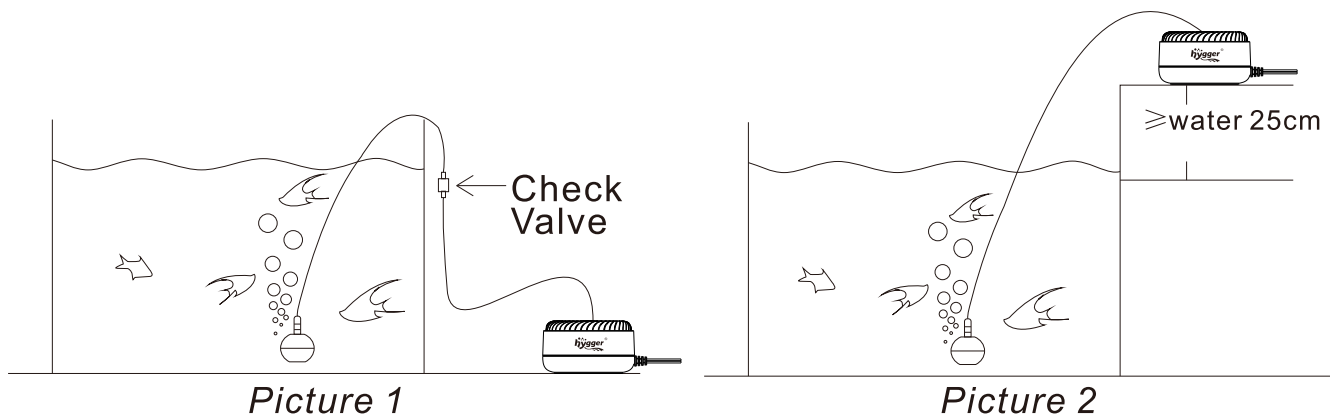
3. INSTRUCTIONS

First, connect the air pipe to the air outlet of the air pump. Attach the flow divider valve to the air pipe. Connect the air pipe, which can be cut, with a check valve in the middle. Finally, connect the air pipe to the air stone. After powering on the air pump, bubbles will be generated.

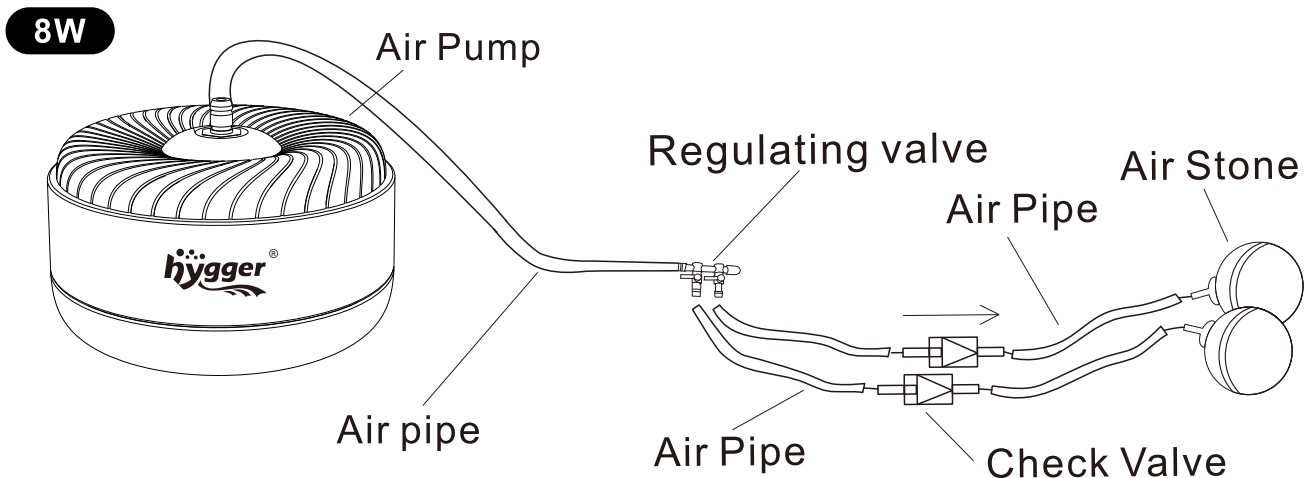
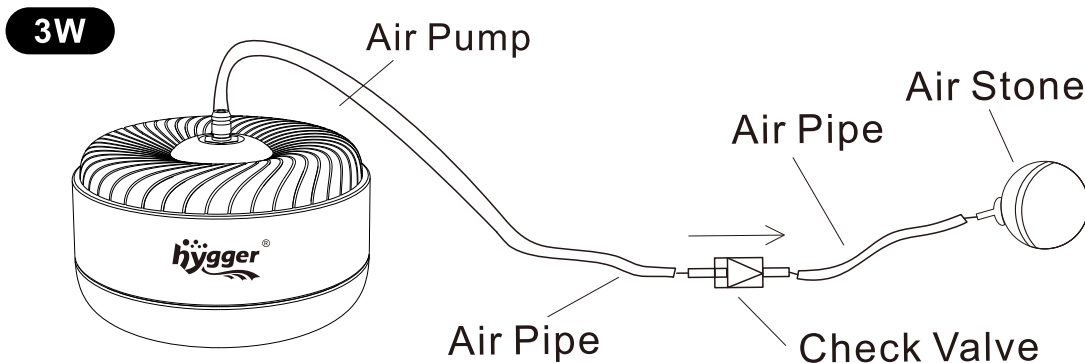
A. There are two installation methods for the air pump:

Picture 1: If the air pump is placed below the water surface of the tank, it is ESSENTIAL to install the air pump with check valves. Failure to use a check valve may cause water flow back into the pump, resulting in damage.

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

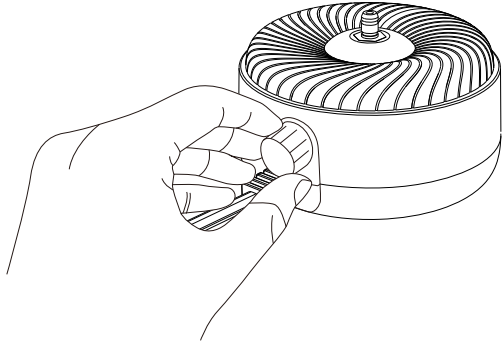


B. Installation with check valves:



C.Adjusting the air outlet flow:

If you want to adjust the air volume, simply turn the adjusting knob located at the back of the air pump.



4. ATTENTION

- ✓ Please read this user manual carefully before using and follow it strictly.
- ✓ Please install the air pump with check valves or place the air pump 25cm (9.8inches) higher than the water surface to avoid water back flow and potential damage to the pump.
- ✓ 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 clean the filter cotton monthly. The air filter (located at the bottom of the air pump) will accumulate dust after a period of use. This is normal and to be expected with any air pump.
- ✓ Please note that airflow loss is usually caused by clogged air-stone, which is the result of algae, floating debris, and mineral deposits accumulated in the pores. If you notice a diminished airflow, try blowing through the air-stone by yourself. If it is difficult, replace the air-stone.
- ✓ 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
Noise	Excess noise or vibration is usually caused by an uneven surface or faulty connections.	Ensure the air pump is placed on a flat surface and check all connections.
No air or diminished airflow even when the air pump is running.	Dust accumulates in the air filter after a period of use.	Clean the filter cotton located at the bottom air pump. Crew and open it to clean.
	The air stone is submerged too deep.	Place the air stone higher.
	The air stone is not immersed in the water before use.	Immerse the air stone in the water for half an hour before first use.
The air pump is not turn on.	Not connected to power source.	Plug the cord into an outlet.
	Insufficient voltage.	Check the wire and voltage.

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.

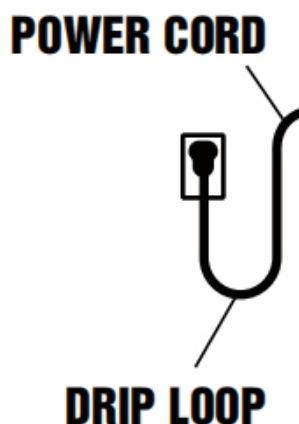
2.DANGER- To avoid possible electric shock, special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations, do not attempt to repair yourself. Instead, return the pump to an authorized service facility for maintenance or discard it.

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.



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. ONE YEAR LIMITED WARRANTY

This product **MUST** be purchased from an authorized hygger reseller. Visit our website for a list of unauthorized 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.

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 Air pump

1x User manual

1x Regulating valve(8W) (3W model does not include regulating valve)

2x Air stone(8W) (3W model includes 1x Air stone)

2x Check valve(8W) (3W model includes 1x Check valve)

2x Air pipe(8W) (3W model includes 1x Air pipe)

10. CONTACT INFORMATION

Distributed by: Hygger Aquarium, Inc.
Chino, CA 91710

Contact us at www.hygger-online.com
Email: mago@hygger-online.com

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Shenzhen City, China
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EC	REP	Company: E-CrossStu GmbH Address: Mainzer Landstr.69,60329 Frankfurt am Main E-mail: e-crossstu@outlook.com Tel: +49 69332967674
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UK	REP	CET Product Service Ltd. Beacon House Stokenchurch Business Park,Ibstone Rd,Stokenchurch High Wycombe HP14 3FE UK info.cetservice@gmail.com +447419325266
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