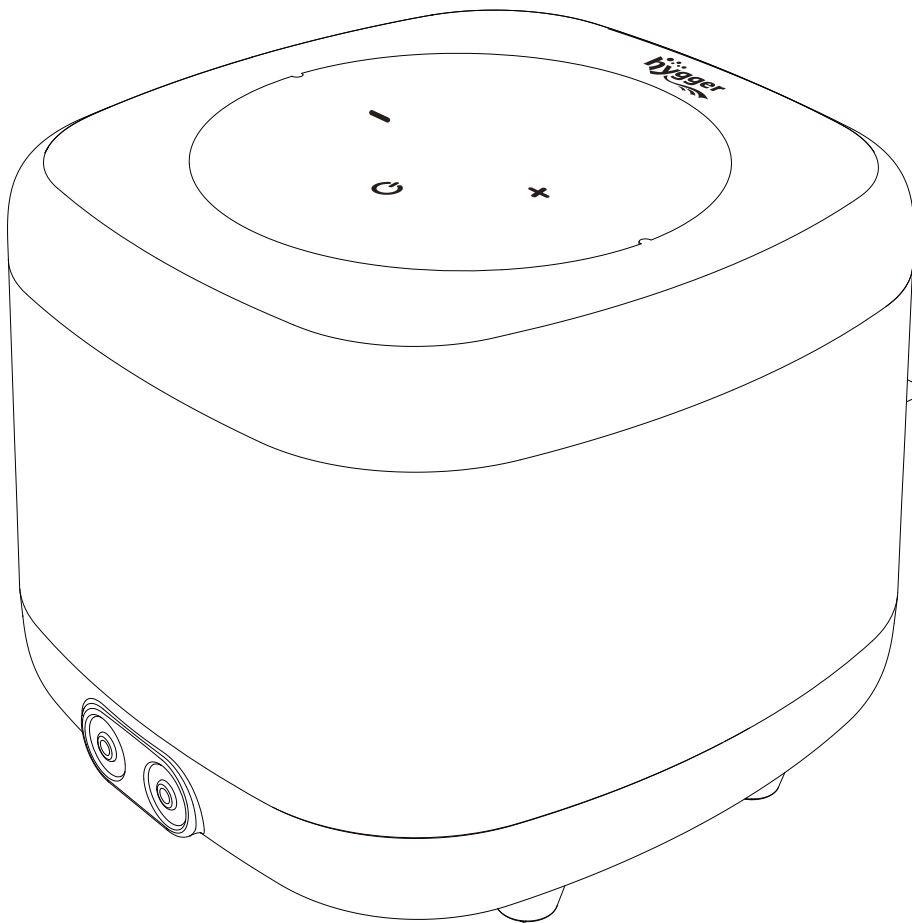




# HG046 USER MANUAL

## hygger AC adjustable air pump

The hygger adjustable air pump is a simple classical and high-quality aquarium equipment!



If you have any problem, please provide your amazon order id (amazon invoice) and shipping address by E-mail: [mago@hygger-online.com](mailto:mago@hygger-online.com).

**Note:** please read this manual carefully before using and follow all instructions.

# 1.PRODUCT FEATURES

**Energy-saving:** Created with the latest energy-efficient technology, our air pump works more effectively, saving more energy than traditional air pumps.

**Ultra-quiet design:** Our air pumps use a bearing-less motor. Our magnet-driven design means less vibration and quieter operation than traditional bearing-driven air pumps. Extra vibration and noise dampening systems in the pump further reduce the noise, making it perfect for bedroom aquariums!

**LCD screen and adjustable airflow:** The air pump flow is fully adjustable, allowing you to set the air output to what you desire for your aquarium. Touch the LCD screen to adjust the airflow.

**Super-powerful:** Our pump is equipped with two outlets, allowing you to provide air to two aquariums at once!

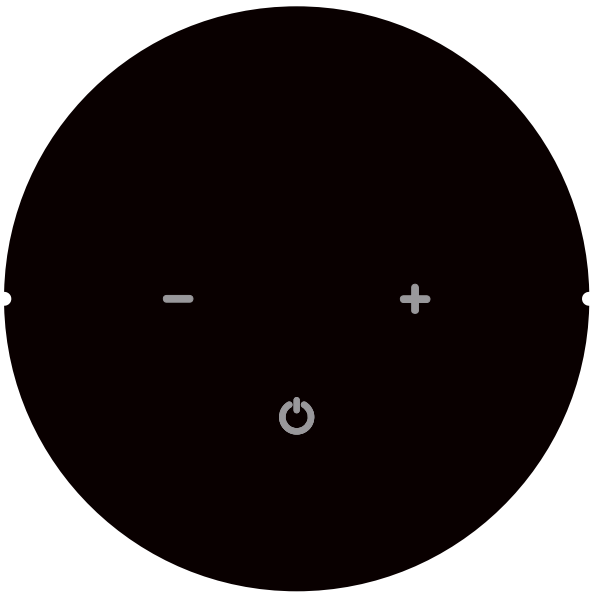
**More durable:** Durable material and precise design result in a long-lasting pump!


# 2.PRODUCT SPECIFICATIONS

<b>Volt./Freq</b>	US Standard:AC 110-120V/60Hz EU/UK Standard: AC 220-240V/50Hz	
<b>Power</b>	5W	10W
<b>Air flow</b>	12L/Min	16L/Min
<b>Sound</b>	≤ 35dB	≤ 35dB
<b>Pressure</b>	0.02Mpa	0.03Mpa
<b>Depth</b>	5FT/1.5M	6.5FT/2M
<b>Cord length</b>	6FT/1.8M	6FT/1.8M
<b>Application</b>	Up to 300 Gal (1100L)	Up to 600 Gal (2200L)
<b>Dimension</b>	4.7*4.7*3.9inch (11.5*11.5*10cm)	5.7*5.7*4.7inch (14.5*14.5*12cm)

### 3.INSTRUCTIONS

#### A.Adjust the air outlet flow:

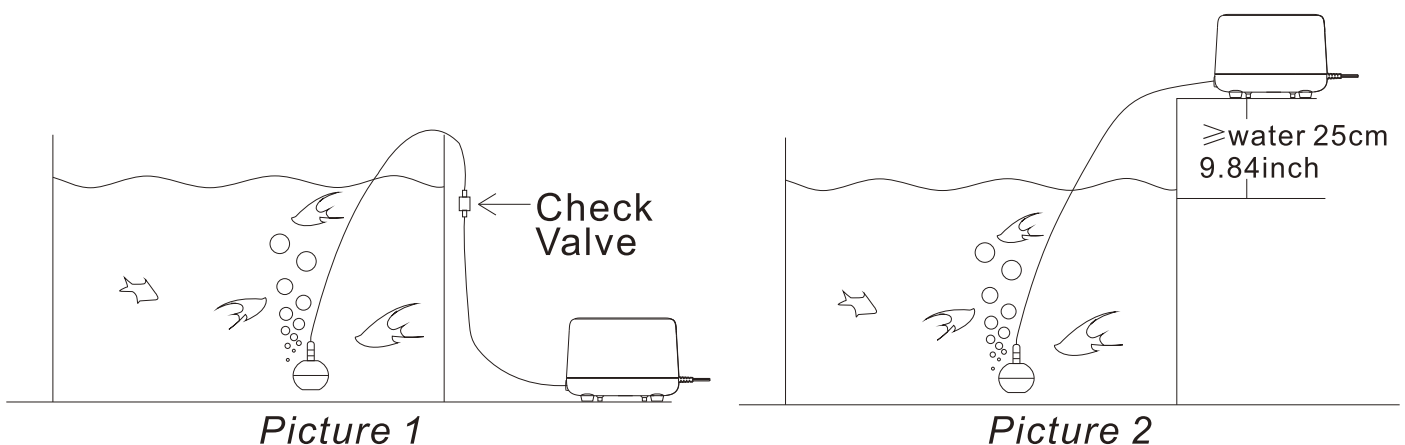


Long press the “  ” button to turn on/off the air pump.  
Touch the “ + ” or “ - ” button to adjust the airflow.

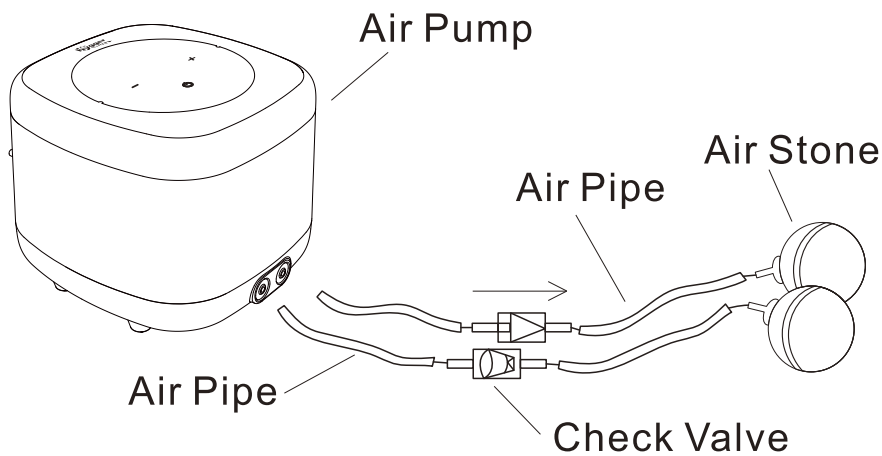
#### B.The following are two ways to install the air pump:

**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.



## C. Install the air pump with check valves:



**Reminder: Our product does not include check valve, air stone and air pipe.**

## 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 connection.	Ensure the air pump is placed on an even surface and check all the connections.
The pump is on, but no air or air flow is diminished.	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 placed too deep.	Elevate the air stone in the tank.
	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.
The pump is not turning on.	Failed to connect the power supply	Plug to cord into an outlet.
	Lack of 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.

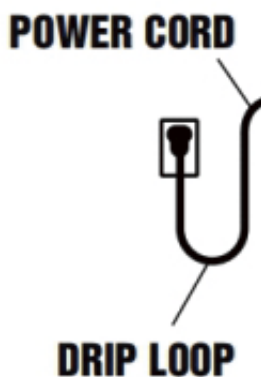
**2.DANGER-** To avoid possible electric shock, special care should be taken since water is employed in the use of aquarium equipment. For each of the following situations, do not attempt to repair yourself. Instead, return the pump to an authorized service facility for maintenance or discard it.

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 intended FOR HOUSEHOLD USE ONLY.
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 non-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.

If you discover a defect, please contact Hygger, who will, at its 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 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 are not 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

## 10.CONTACT INFORMATION

Company name: Shenzhen Mago Trading Co.,Ltd

Brand owner: Shenzhen Mago Trading Co., Ltd

Add : Bantian Group Business Central, Longgang District, Shenzhen City, Guangdong Province, China

Website: [www.hygger-online.com](http://www.hygger-online.com)

E-mail: [Mago@hygger-online.com](mailto:Mago@hygger-online.com).

If you have any problem, please provide your amazon order id (amazon invoice) and shipping address by E-mail: [mago@hygger-online.com](mailto:mago@hygger-online.com).



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