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hygger HG078

hygger 3W/8W Aquarium Air Pump Instruction Manual (Model HG078)

Powerful, Adjustable, Ultra Quiet Oxygen Pump for Fish Tanks

1. INTRODUCTION

The hygger HG078 Aquarium Air Pump provides essential aeration for your freshwater or marine aquarium. Designed for reliable performance and quiet operation, this pump ensures a healthy oxygen supply for your aquatic environment. It features adjustable airflow and comes with all necessary accessories for immediate setup.



Image 1: The hygger 3W/8W Aquarium Air Pump providing aeration in a fish tank.

2. KEY FEATURES

- **Powerful Airflow:** Available in 3W (50 GPH) and 8W (140 GPH) models, suitable for aquariums up to 100 gallons and 300 gallons respectively.
- **Ultra Quiet Operation:** Engineered with a suspended motor, soundproof chamber, tightly sealed shells, and soft silicone feet to minimize noise and vibration ($\leq 35\text{dB}$).
- **Adjustable Air Flow:** Features a rotary knob for manual adjustment of air volume, offering precise control without electronic fluctuations.
- **Durable Design:** Unique round hurricane appearance with a metal air outlet and robust construction for long-term use.
- **Complete Accessory Kit:** Includes air stones, air tubes, check valves, and connectors for a comprehensive setup.

3. PACKAGE CONTENTS

Each hygger Aquarium Air Pump package includes the following components:

3W Model (for Aquariums up to 100 Gal)

- 1x hygger 3W Air Pump
- 1x Air Stone
- 1x Air Tube (6.5ft)
- 1x Check Valve
- 1x Bourdon Tube

8W Model (for Aquariums up to 300 Gal)

- 1x hygger 8W Air Pump
- 2x Air Stones
- 2x Air Tubes (6.5ft each)
- 2x Check Valves
- 1x Regulating Valve
- 1x Bourdon Tube

3W Packing including

This 3W aquarium air pump kit including:



8W Packing including

This 8W aquarium air pump kit including:



Image 2: Visual representation of included accessories for both 3W and 8W models.

4. PRODUCT SPECIFICATIONS (MODEL HG078)

Feature	3W Model	8W Model
Power	3W	8W
Max Air Flow Rate	50 GPH	140 GPH
Pressure	0.02 MPa	0.03 MPa
Application (Tank Size)	Up to 100 Gallons	Up to 300 Gallons
Sound Level	≤35dB	
Max Depth	5 FT (1.5 M)	6.5 FT (2 M)
Cord Length	6 FT (1.83 M)	
Material	Plastic	

Feature	3W Model	8W Model
Color	White	



HG078-3W

AC Voltage	AC 110-120V/60Hz
Power	3W
Air Flow	50GPH
Pressure	0.02MKpa
Application	Up to 100 Gal(378L)
Dimension	6.5*5.7*4.1inch



HG078-8W

AC Voltage	AC 110-120V/60Hz
Power	8W
Air Flow	140GPH
Pressure	0.03MKpa
Application	Up to 300 Gal(1135L)
Dimension	7.5*6.7*4.7inch

Image 3: Detailed specifications for the HG078-3W and HG078-8W models.

5. SETUP INSTRUCTIONS

- Connect Air Tube:** Attach the provided air tube(s) to the air outlet(s) on the top of the pump. For the 8W model, use the regulating valve to split the airflow to two air stones.
- Install Check Valve(s):** If the air pump is installed below the water level of your aquarium, a check valve is essential to prevent water from siphoning back into the pump during a power outage. Connect the check valve(s) in-line with the air tube(s), ensuring the arrow on the valve points towards the aquarium.
- Attach Air Stone(s):** Connect the air tube(s) to the air stone(s). Place the air stone(s) at the desired location within your aquarium.

- Position the Pump:** Place the air pump on a stable, flat surface. The soft silicone feet will help reduce vibration and noise. Ensure the pump is positioned above the water level if not using a check valve.
- Power On:** Plug the air pump into a suitable power outlet. The blue indicator light will illuminate, and air will begin to flow.

No check valve needed



No return valve is needed:

The air pumps should be installed higher than the water level to prevent the water from flowing back into the air pump.

Check valve needed

Correct use method

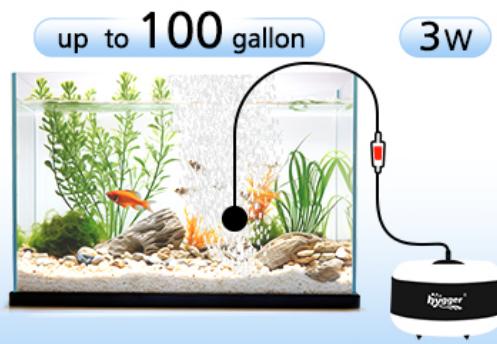


Return valve is needed:

If you install the aquarium air pump lower than the water level, return valves should be needed, otherwise the water in the air hose will flow back into the air pump, causing damage to the air pump.

Image 4: Illustration of check valve usage based on pump placement relative to water level.

Suitable for both freshwater and marine aquariums



up to 100 gallon 3W



up to 300 gallon 8W

Image 5: Example setups for 3W and 8W models in different aquarium sizes.

6. OPERATING INSTRUCTIONS

The hygger Aquarium Air Pump features an adjustable airflow knob for precise control over the bubble output.

- Adjusting Airflow:** Rotate the knob located on the side of the pump clockwise to increase airflow and counter-clockwise to decrease airflow. Adjust to your desired bubble intensity.
- Power On/Off:** The pump operates continuously when plugged in. Unplug the unit to turn it off.

7. MAINTENANCE

- Air Stone Cleaning:** Periodically clean or replace air stones to ensure optimal bubble production and prevent clogging.
- Air Tube Inspection:** Check air tubes regularly for kinks, blockages, or damage. Replace as needed to maintain consistent airflow.
- Pump Placement:** Ensure the pump remains on a stable surface to prevent excessive vibration and noise.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No Air Flow	Power outage; Air tube kinked/blocked; Air stone clogged.	Check power supply; Straighten/clear air tube; Clean/replace air stone.
Weak Air Flow	Airflow knob set too low; Clogged air stone; Air tube leak.	Adjust airflow knob; Clean/replace air stone; Check for and repair leaks.
Excessive Noise/Vibration	Pump not on a stable surface; Internal component issue.	Ensure pump is on a flat, stable surface; Contact customer support if noise persists.
Water Backflow into Pump	No check valve installed (pump below water level); Faulty check valve.	Install check valve (ensure arrow points towards tank); Replace faulty check valve.

9. OFFICIAL PRODUCT VIDEO

hygger Aquarium Air Pump HG078 Overview

Your browser does not support the video tag.

Video 1: An official overview of the hygger Aquarium Air Pump HG078, demonstrating its features and quiet operation.

10. WARRANTY AND SUPPORT

The hygger 3W/8W Aquarium Air Pump comes with a **1-year warranty** from the date of purchase.

For technical support, troubleshooting assistance, or warranty claims, please contact hygger customer service through their official channels.