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hygger 18W

hygger 18W Rechargeable Aquarium Air Pump User Manual

Model: 18W

INTRODUCTION

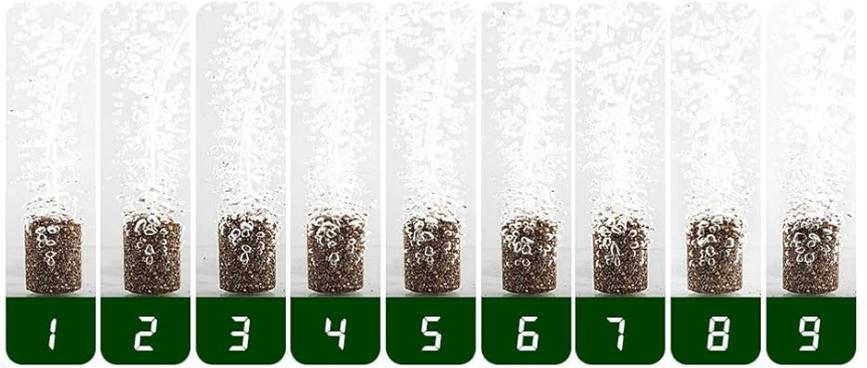
Thank you for choosing the hygger 18W Rechargeable Aquarium Air Pump. This device is designed to provide consistent aeration for various aquatic environments, functioning as both a standard oxygen pump and an emergency backup during power outages. It is suitable for home aquariums, hydroponic systems, live wells, outdoor koi ponds, commercial applications, and fish transportation.

This manual provides detailed instructions for the safe and efficient operation, setup, maintenance, and troubleshooting of your air pump. Please read it thoroughly before use and retain it for future reference.



Way 1

The **Set Button** to Adjust the Overall Air Flow



Way 2

Distributor to Adjust the Air Flow of Each Output Separately

**2 TYPES
OF ADJUSTABLE
AIR VOLUME**



Image: The hygger 18W Rechargeable Aquarium Air Pump connected to air stones in an aquarium, demonstrating its function.

SAFETY INSTRUCTIONS

- Always disconnect the power supply before performing any maintenance or cleaning.
- Do not immerse the air pump in water. The unit is IPX4 splash-proof, but not submersible.
- Ensure the power adapter and electrical outlet are dry before plugging in the device.
- Keep out of reach of children and pets.
- Use only the provided power adapter.
- Do not operate if the power cord or plug is damaged.
- Place the air pump on a stable, dry surface.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Air Pump (18W)
- 1 x User Manual
- 1 x Power Adapter
- 1 x Diverter (4-hole manifold)
- 1 x Main Hose
- 4 x 6.5ft Air Hoses
- 4 x Air Stones (+ 2 Spare)
- 1 x Check Valve

INCLUDE A COMPLETE SET OF ACCESSORIES

18W Fast Charging

3 hour
Full charge



Image: A complete set of accessories included with the hygger 18W Rechargeable Aquarium Air Pump, including the pump, hoses, air stones, diverter, check valve, and power adapter.

SETUP

Follow these steps to set up your hygger 18W Rechargeable Aquarium Air Pump:

1. **Connect Main Hose:** Attach one end of the main hose to the copper metal outlet on the air pump.
2. **Insert Check Valve:** Cut the main hose and insert the check valve. Ensure the arrow on the check valve points towards the diverter/aquarium to prevent water backflow into the pump.
3. **Connect Diverter:** Attach the other end of the main hose (with the check valve) to the inlet of the 4-hole diverter.
4. **Connect Air Hoses:** Connect each of the four 6.5ft air hoses to the outlets of the diverter.
5. **Connect Air Stones:** Attach an air stone to the end of each air hose. Place the air stones in your aquarium or pond.
6. **Power Connection:** Plug the power adapter into the pump and then into a wall outlet for daily use and charging.

Important Note on Check Valve Placement:

- If the air pump is placed below the water level of the aquarium, a check valve is essential to prevent water from siphoning back into the pump during a power outage, which can cause damage.
- If the air pump is placed above the water level, a check valve is not strictly necessary but is still recommended for added safety.



Image: Illustration demonstrating the importance of a check valve when the pump is placed below water level to prevent backflow.



Image: A visual guide showing the five steps to easily install the air pump, main hose, check valve, diverter, and air stones.

OPERATION

Control Panel Overview

The air pump features an intuitive LCD screen and control buttons for easy operation.

EASY TO READ CONTROL PANEL

Flow Level Display

9 levels 

Battery Display

Power 

ON/OFF

Press and hold for 3s

Flow Control

 Increase  Decrease



BATTERY
Continuous Operation

Max air flow / 8 Hour

Min air flow / 100 Hour

Image: Detailed view of the digital display screen and control buttons, including ON/OFF, airflow level adjustment, and battery indicator.

- **ON/OFF Button:** Press and hold for 3 seconds to turn the pump on or off.
- **+/- Buttons:** Adjust the overall airflow volume from level 1 to 9.
- **Battery Display:** Shows the current battery charge level.
- **DC/AC Indicator:** Indicates whether the pump is running on DC (battery) or AC (plugged in) power.

Adjusting Airflow

There are two ways to adjust the airflow:

1. **Overall Airflow:** Use the "+/-" buttons on the control panel to adjust the total air output from level 1 (minimum) to level 9 (maximum).
2. **Individual Output Airflow:** The 4-hole diverter allows you to fine-tune or completely close the airflow to each

individual air stone. Rotate the valves on the diverter to adjust the flow from OFF to 100%.



Image: Visual representation of adjusting the overall airflow output from level 1 to 9, showing varying bubble intensity.



Image: Illustration demonstrating how to separately control the air flow of each output using the diverter, with settings from OFF to 100% shown.

Dual-Power Mode (AC/DC)

The hygger air pump operates in a dual-power mode for continuous aeration:

- **AC Power (Plugged In):** When connected to the power adapter and a wall outlet, the pump runs on AC power and simultaneously recharges its internal lithium battery.
- **DC Power (Battery Backup):** In the event of a power failure, the pump automatically switches to DC power, utilizing its built-in large-capacity lithium battery to ensure uninterrupted operation.

AC/DC USE RECHARGEABLE

When the power goes out, it automatically switches to DC power supplied by the lithium battery



Image: Comparison of the air pump operating with plug-in AC power (charging) and automatically switching to DC battery power during an outage.

The built-in battery charges fully in approximately 3 hours. It can provide up to 8 hours of operation at maximum airflow or up to 100 hours at minimum airflow, making it a reliable backup for emergencies.

Your browser does not support the video tag.

Video: An official product video demonstrating the features and operation of the hygger rechargeable battery aquarium air pump, including its digital display and adjustable airflow.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your air pump:

- **Battery Health:** To maintain battery health, regularly (every 2 months is recommended) unplug the pump and allow it to run on battery power until it fully discharges. Then, recharge it completely. This helps to calibrate the battery and prolong its lifespan.
- **Air Stone Cleaning:** Over time, air stones can become clogged, reducing airflow. Clean or replace air stones as needed to ensure efficient bubble production.

- **Hose Inspection:** Periodically check air hoses for kinks, cracks, or blockages. Replace any damaged hoses to maintain proper airflow.
- **Pump Exterior:** Wipe the exterior of the pump with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the pump is dry before reconnecting power.

TROUBLESHOOTING

If you encounter issues with your hygger air pump, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No air output or weak airflow	<ul style="list-style-type: none"> • Air stones clogged • Air hose kinked or blocked • Diverter valve closed • Pump not powered on or low battery 	<ul style="list-style-type: none"> • Clean or replace air stones • Check and straighten air hoses; clear any blockages • Open diverter valves • Ensure pump is powered on and battery is charged
Pump not charging	<ul style="list-style-type: none"> • Power adapter not connected properly • Wall outlet not functioning • Damaged power adapter 	<ul style="list-style-type: none"> • Check all connections • Test the wall outlet with another device • Contact customer support for a replacement adapter
Pump is noisy	<ul style="list-style-type: none"> • Pump not on a stable surface • Vibrations from contact with other objects 	<ul style="list-style-type: none"> • Place the pump on a flat, stable surface • Ensure no objects are touching the pump that could amplify vibrations
Water backflow into pump	<ul style="list-style-type: none"> • Check valve missing or installed incorrectly • Pump placed below water level without check valve 	<ul style="list-style-type: none"> • Install a check valve with the arrow pointing towards the aquarium • Ensure check valve is functioning correctly

SPECIFICATIONS

Detailed specifications for the hygger 18W Rechargeable Aquarium Air Pump:

Feature	Specification
Power	18 Watt
Weight	3.85 lb
Max Air Flow	158 GPH
Air Pressure	27 kPa
Outlets	4 holes

Feature	Specification
Voltage/Frequency Input	AC 100-240V / 50-60 Hz
Output	DC 7.8V
Cord Length	4.9 FT
Product Dimensions (L x W x H)	9.1" x 5.9" x 4.3"
Material	Plastic
Color	Green

18W

40W

Power	18 Watt	40 Watt
Weight	3.85lb	6.72lb
Max Air Flow	158GPH	602GPH
Air Pressure	27Kpa	23Kpa
Outlet	4 holes	6 holes
Volt./Freq-Input	AC 100-240V/50-60 Hz	
Output	DC 7.8V	DC 14.6V
Cord Length	4.9FT	

Image: A comparison of the 18W and 40W hygger air pump models, showing their physical dimensions and a table of key specifications.

WARRANTY & SUPPORT

The hygger 18W Rechargeable Aquarium Air Pump comes with a **1-year manufacturer warranty**. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or any questions regarding your product, please contact hygger customer service. Keep your purchase receipt as proof of purchase for warranty validation.

For additional information and support, please visit the official hygger website or contact your retailer.

