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## hygger HG121-8W

# hygger HG121-8W 5-in-1 Aquarium Internal Filter Instruction Manual

Model: HG121-8W

## INTRODUCTION

Thank you for choosing the hygger HG121-8W 5-in-1 Aquarium Internal Filter. This versatile filter is designed to provide comprehensive water purification and circulation for your aquarium, offering multiple functional modes to suit various aquatic environments. Please read this manual thoroughly before installation and operation to ensure proper use and optimal performance.

## PRODUCT FEATURES

- 5-in-1 Multiple Functions:** Offers ventilation, rain shower, wave making, fountain, and water exchange capabilities.
- Efficient 3-Stage Filtration:** Utilizes biochemical sponges, activated carbon, and bio-balls for physical, chemical, and biological filtration, effectively removing odors and impurities.
- Ultra-Quiet Operation:** Engineered with a super quiet motor, ensuring minimal noise during operation, even at maximum flow.
- Adjustable Flow Design:** Allows adjustment of water flow rate, airflow rate, and wave direction to meet specific aquarium needs.
- Versatile Application:** Suitable for both freshwater and saltwater aquariums ranging from 2 to 13 gallons (8-50 liters).
- Easy Installation & Maintenance:** Equipped with strong suction cups for secure attachment and a removable design for simple cleaning.

## PACKAGE CONTENTS

Please verify that all components are present before proceeding with installation:

- hygger HG121-8W Internal Filter Unit
- Bioceramic Balls (pre-installed or separate)
- Biochemical Sponge (pre-installed or separate)
- Activated Carbon (pre-installed or separate)

- Rain Shower Bar and Connectors
- Aeration Tube
- Fountain Nozzle
- Adjustable Flow Knob
- Suction Cups (4x)
- DC 5V Adapter with USB Port

## SETUP INSTRUCTIONS

1. **Unpack and Inspect:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Assemble Filter Media:** The filter unit typically comes with pre-installed media. If not, insert the biochemical sponge into the bottom compartment, followed by activated carbon, and then the bioceramic balls into the top compartment. Ensure they are seated correctly.
3. **Attach Output Accessories:**



This image illustrates the various output accessories and how they connect to the filter head for different functional modes.

- **Rain Shower:** Connect the rain shower bar to the filter's output nozzle.
- **Aeration:** Attach the aeration tube to the designated air intake port on the filter head.
- **Fountain/Water Exchange:** Attach the fountain nozzle or appropriate connector for water exchange.

4. **Secure Filter in Tank:** Attach the four strong suction cups to the back of the filter unit. Submerge the filter completely in your aquarium water and press the suction cups firmly against the inner glass wall to secure it. Ensure the filter is positioned vertically and the water level is above the minimum water level mark indicated on the filter unit.



This image shows the filter unit securely attached to the aquarium wall, with the rain shower output positioned above the water surface.

5. **Connect Power:** Plug the DC 5V adapter into a standard electrical outlet and connect the USB port to the filter's power cable.

## OPERATING INSTRUCTIONS

1. **Power On:** Once the filter is properly installed and submerged, plug in the power adapter. The filter will begin operating immediately.
2. **Adjust Flow Rate:** Use the adjustable flow knob located on the filter head to increase or decrease the water flow rate as desired.
3. **Adjust Airflow (if using aeration):** If the aeration tube is connected, you can adjust the amount of air introduced into the water by manipulating the air intake valve on the tube.
4. **Change Functional Modes:** To switch between functions (e.g., from rain shower to fountain), you may need to detach one accessory and attach another. Ensure the filter is unplugged before making any changes to accessories.

## MAINTENANCE

Regular cleaning is crucial for maintaining the efficiency and longevity of your filter. It is recommended to clean the filter every 1-2 weeks.

- 1. Disconnect Power:** Always unplug the filter from the power source before performing any maintenance.
- 2. Remove from Tank:** Gently detach the filter from the aquarium wall.
- 3. Disassemble Filter:** Carefully separate the filter compartments. Note the order of the filter media for correct reassembly.

## Multi-Stage Effective Filtration

Strong suction cup adsorption capacity



### Bioceramic Ball

Decomposition of wastes to increase oxygen dissolution and distribution



### Biochemical Sponge

Porous filter material, Effective interception of suspended particles in water



### Activated Carbon

Adsorption of harmful gases and tiny particles in water, Reduces algae growth

This image displays the filter's internal structure and the three types of filter media: bioceramic balls, biochemical sponge, and activated carbon.

- 4. Clean Filter Media:** Rinse the biochemical sponge and bioceramic balls with old aquarium water (from a water change) to preserve beneficial bacteria. Do not use tap water directly, as chlorine can harm these bacteria. Activated carbon should be replaced every 2-4 weeks, or as needed, as its adsorptive capacity diminishes over time.
- 5. Clean Impeller and Housing:** Use a small brush to clean the impeller and the impeller housing to remove any debris or algae buildup.
- 6. Reassemble and Reinstall:** Reassemble the filter in the reverse order of disassembly, ensuring all parts are securely fitted. Reinstall the filter in the aquarium and reconnect power.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Filter not starting or weak flow	Power disconnected; Impeller jammed or dirty; Filter media clogged; Air in pump.	Check power connection; Clean impeller and housing; Clean or replace filter media; Gently shake filter to release air.
Excessive noise	Impeller dirty or damaged; Air in pump; Filter not securely mounted.	Clean or replace impeller; Gently shake filter to release air; Re-secure filter to tank wall.
Water not clear	Filter media saturated or dirty; Filter too small for tank size; Insufficient water changes.	Clean or replace filter media; Ensure filter is appropriate for tank volume; Perform regular water changes.

## SPECIFICATIONS

# Size & Scope of Application



Model	Voltage	Power(W)	Flow max	Head max	Recommended tank size
HG121-8W	DC 5V	8W	61GPH (230L/H)	2.6ft (0.8m)	2~13Gallon (8~50L)
HG121-9W		9W	159GPH (600L/H)	3.6ft (1.1m)	13~35Gallon (50~132L)
HG121-15W		15W	211GPH (800L/H)	4.9ft (1.5m)	35~45Gallon (63~170L)

This image provides a detailed specification table for the HG121-8W model, alongside other variants, outlining dimensions, power, flow, and tank suitability.

Attribute	Value
Model Number	HG121-8W

Attribute	Value
Power	8W
Voltage Input	AC 110-240V
Voltage Output	DC 5V
Maximum Flow Rate	61 GPH (230 L/H)
Maximum Head	2.6 ft (0.8 m)
Dimensions (L x W x H)	2.0 inches x 1.6 inches x 8.7 inches
Power Cable Length	4.92 ft
Recommended Tank Size	2-13 Gallons (8-50 Liters)

## **WARRANTY AND SUPPORT**

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For warranty information or technical support, please contact hygger customer service through the retailer where the product was purchased or visit the official hygger website. Please retain your proof of purchase for warranty claims.