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hygger Aquarium HOB Filter 105 GPH Instruction Manual

Model: HOB Filter 105 GPH

1. INTRODUCTION

Thank you for choosing the hygger Aquarium HOB Filter 105 GPH. This hang-on-back filter is designed to provide efficient mechanical, chemical, and biological filtration for your aquarium, ensuring a clean and healthy environment for your aquatic life. This manual provides detailed instructions for the proper installation, operation, and maintenance of your filter.





Image 1.1: Overview of the hygger Aquarium HOB Filter 105 GPH.

2. SAFETY INSTRUCTIONS

- Read all instructions carefully before use.
- Ensure the power supply voltage matches the filter's requirements (AC110-120V/60Hz).
- Always unplug the filter from the power outlet before performing any maintenance, cleaning, or when handling the filter.
- Do not operate the filter if the power cord or plug is damaged.
- Do not immerse the power plug or power cord in water.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Keep out of reach of children.
- The filter is designed for indoor aquarium use only.
- Ensure the filter is securely mounted on the aquarium before operation.

3. PACKAGE CONTENTS

Please check the package contents to ensure all items are present and undamaged:

- hygger Aquarium HOB Filter Unit
- Extendable Intake Tube
- Intake Tube Guard Sponge
- Filter Cartridge (Dual-sided sponge cotton and activated carbon)
- Bio-Filter Plate
- User Manual

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your hygger HOB filter:

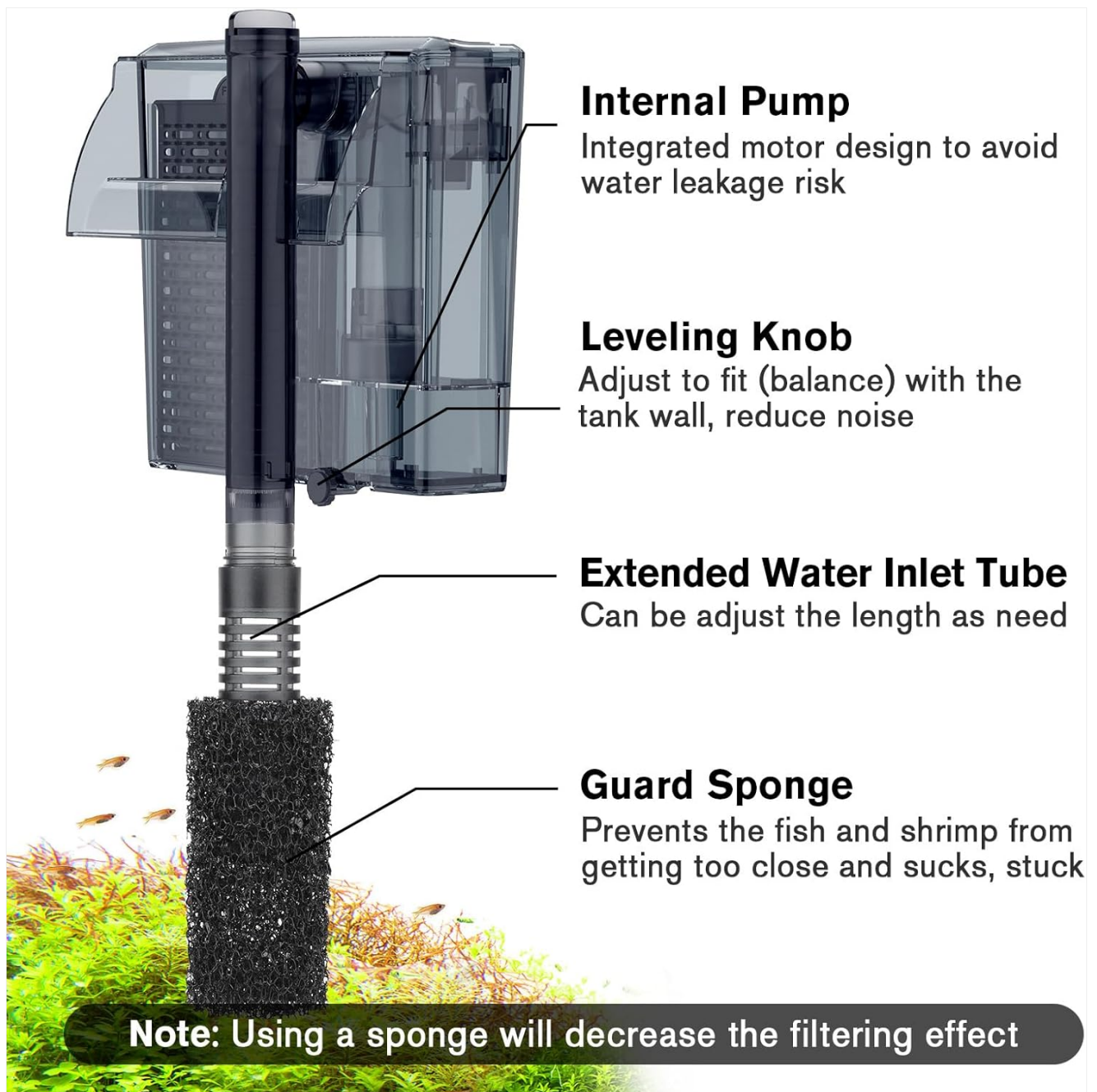


Image 4.1: Key components of the filter, including the internal pump, leveling knob, extended water inlet tube, and guard sponge.

- **Internal Pump:** Integrated motor design to minimize water leakage risks.

- **Leveling Knob:** Adjusts to fit and balance the filter on the tank wall, helping to reduce noise.
- **Extended Water Inlet Tube:** Adjustable length to suit various tank depths.
- **Guard Sponge:** Attaches to the water inlet to prevent small fish or shrimp from being drawn into the filter. *Note: Using a sponge may slightly decrease the filtering effect.*
- **Filter Cartridge:** Consists of dual-sided sponge cotton for mechanical filtration and ultra-activated carbon for chemical filtration (odor and discoloration removal).
- **Bio-Filter Plate:** Provides a large surface area for beneficial bacteria, supporting biological filtration.

5. SETUP INSTRUCTIONS

Follow these steps to set up your hygger HOB filter:

1. **Assemble the Intake Tube:** Connect the extendable intake tube to the filter unit. If desired, attach the guard sponge to the bottom of the intake tube.
2. **Install Filter Media:** Place the bio-filter plate into the designated slot within the filter chamber. Then, insert the filter cartridge on top of the bio-filter plate.
3. **Mount the Filter:** Hang the filter unit onto the back of your aquarium. Adjust the leveling knob to ensure the filter sits securely and level on the tank rim. The filter is designed for tank rims up to 0.8 inches thick.

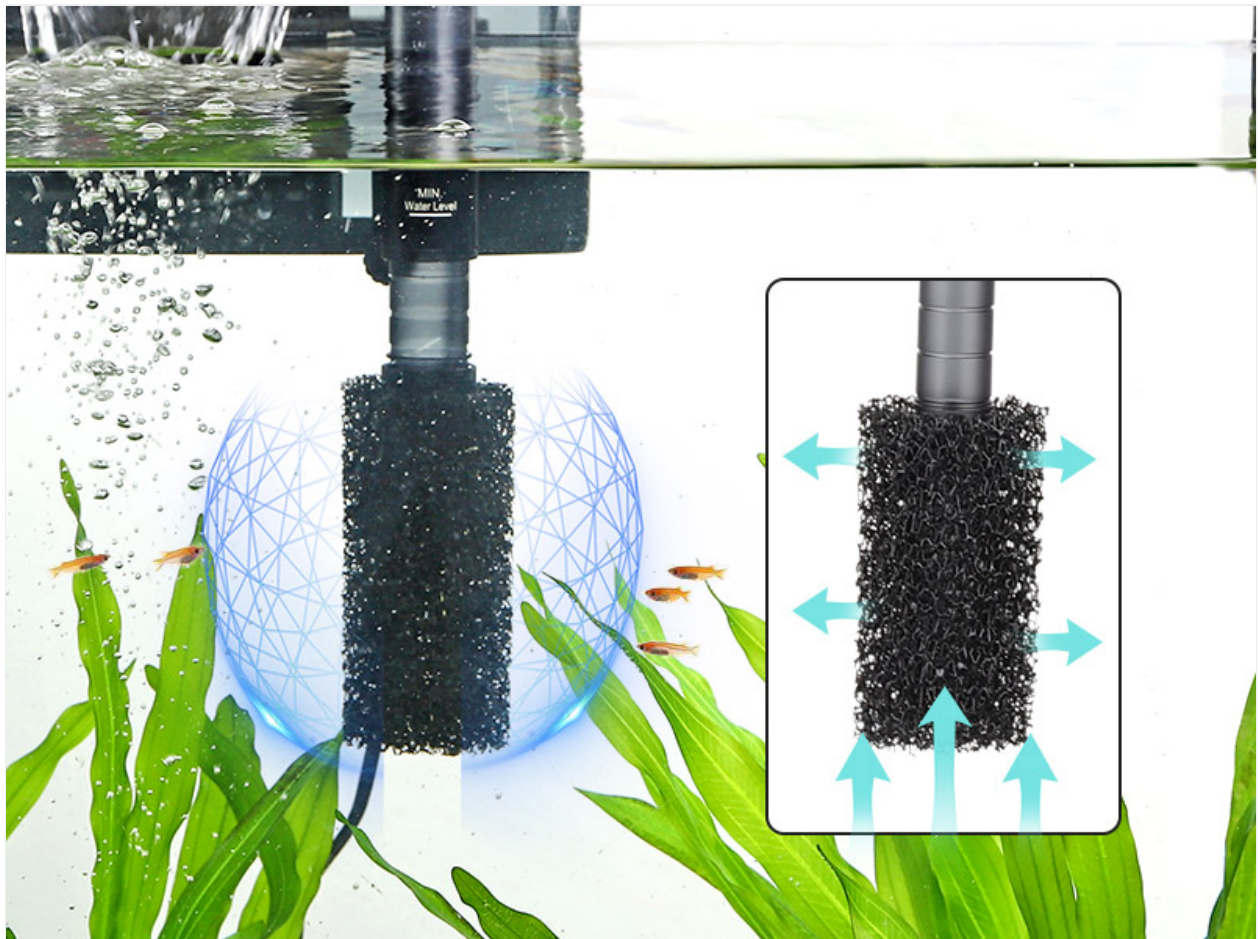


Image 5.1: Proper mounting of the HOB filter on the aquarium rim, showing the 0.8 inch clearance.

4. **Adjust Intake Tube Length:** Extend or retract the intake tube so that the bottom of the guard sponge is positioned appropriately within the tank, ensuring good water circulation without touching the substrate.

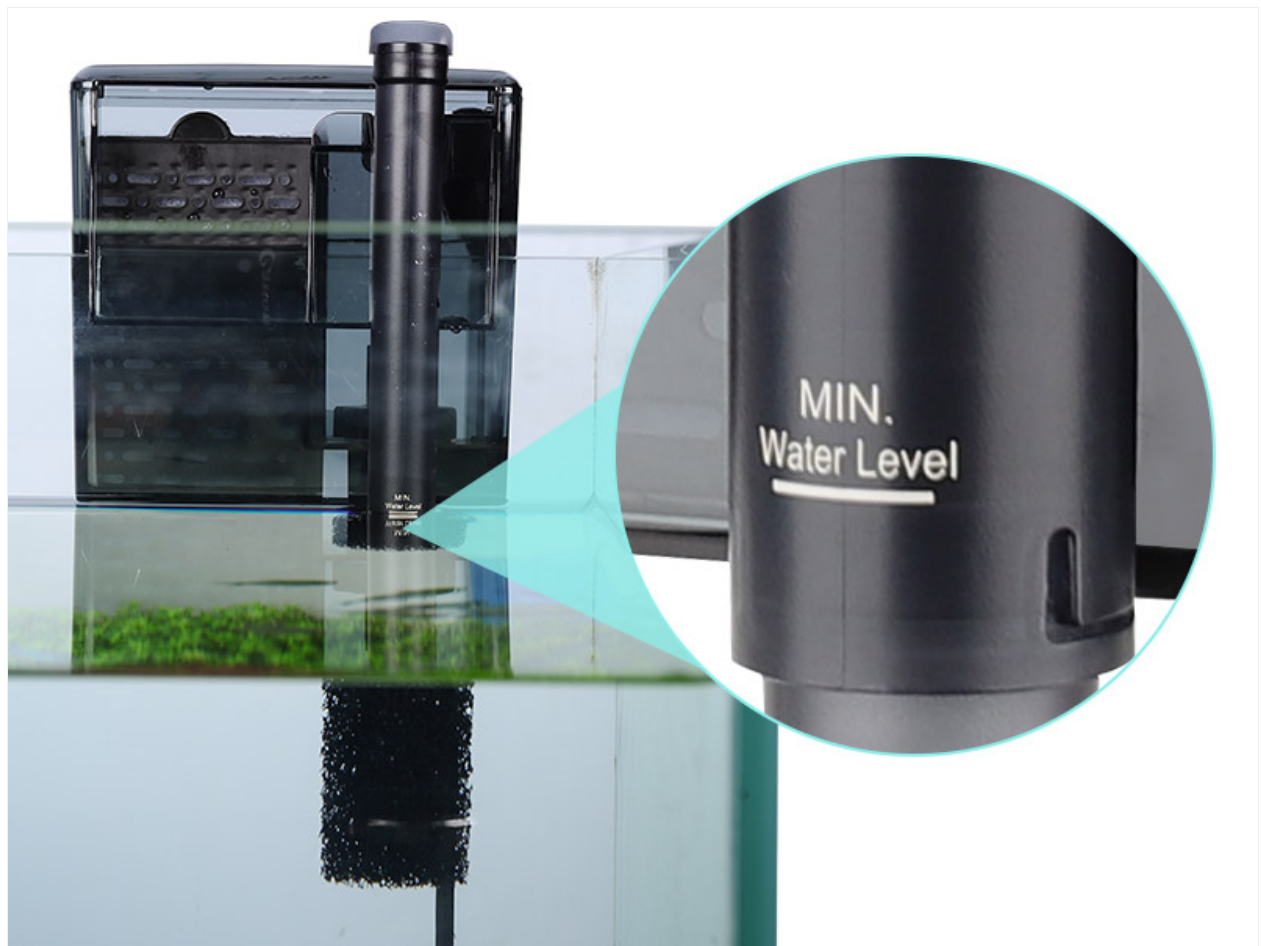


Image 5.2: Adjusting the length of the extendable intake tube.

5. **Prime the Filter:** Before plugging in, fill the filter chamber with aquarium water until it reaches the 'MIN. Water Level' mark on the intake tube. This primes the pump and prevents dry running.



Image 5.3: Filling the filter chamber with water before initial use to prime the pump.

6. **Connect Power:** Once the filter is primed and securely mounted, plug the power cord into a suitable electrical outlet.

6. OPERATING INSTRUCTIONS

Once set up, the filter will begin operating. Observe the water flow and adjust as needed.

6.1. Adjusting Water Flow

The water flow speed can be adjusted using the knob located on the top of the filter unit. Rotate the knob to increase or decrease the flow rate, up to a maximum of 105 GPH.

ADJUSTABLE WATER FLOW



**You can easily adjust
the water flow as need**

Image 6.1: Demonstrating the adjustable water flow from minimum to maximum output.



Image 6.2: Close-up of the flow adjustment knob on the filter unit.

6.2. Filtration System

The filter employs a multi-stage filtration system:

- **Mechanical Filtration:** Dual-sided sponge cotton captures particulate matter like fish waste and food residues.
- **Chemical Filtration:** Activated carbon removes odors and discoloration from the water.
- **Biological Filtration:** The bio-filter plate provides a habitat for beneficial bacteria that break down harmful organic waste.

High-Efficiency Filter System

Mechanical Filtration

Dual-Sided cotton is good for capture particles

Chemical Filtration

Removes odors and discoloration from water

Biological Filtration

Break down harmful organic waste

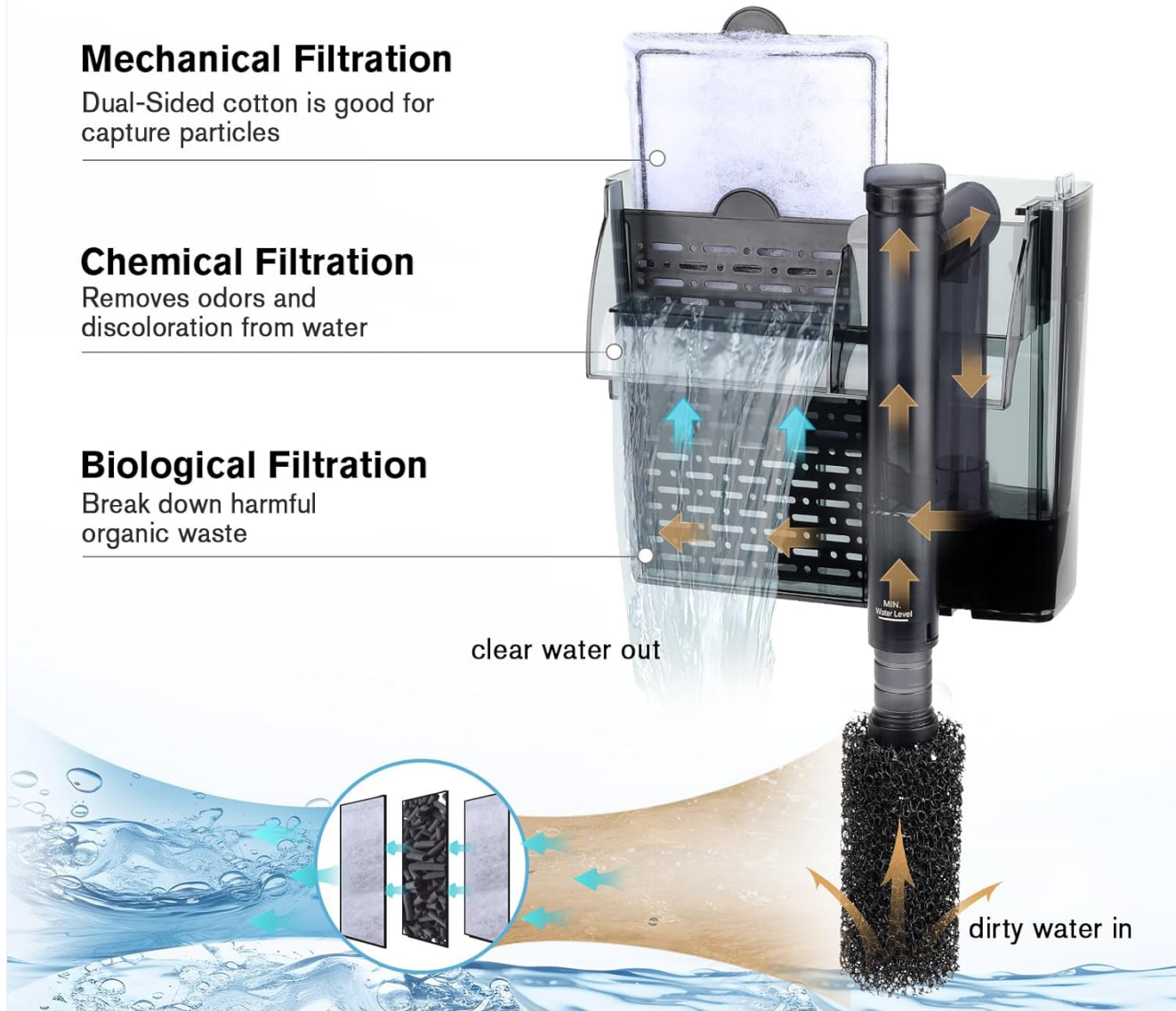


Image 6.3: Diagram illustrating the mechanical, chemical, and biological filtration stages.

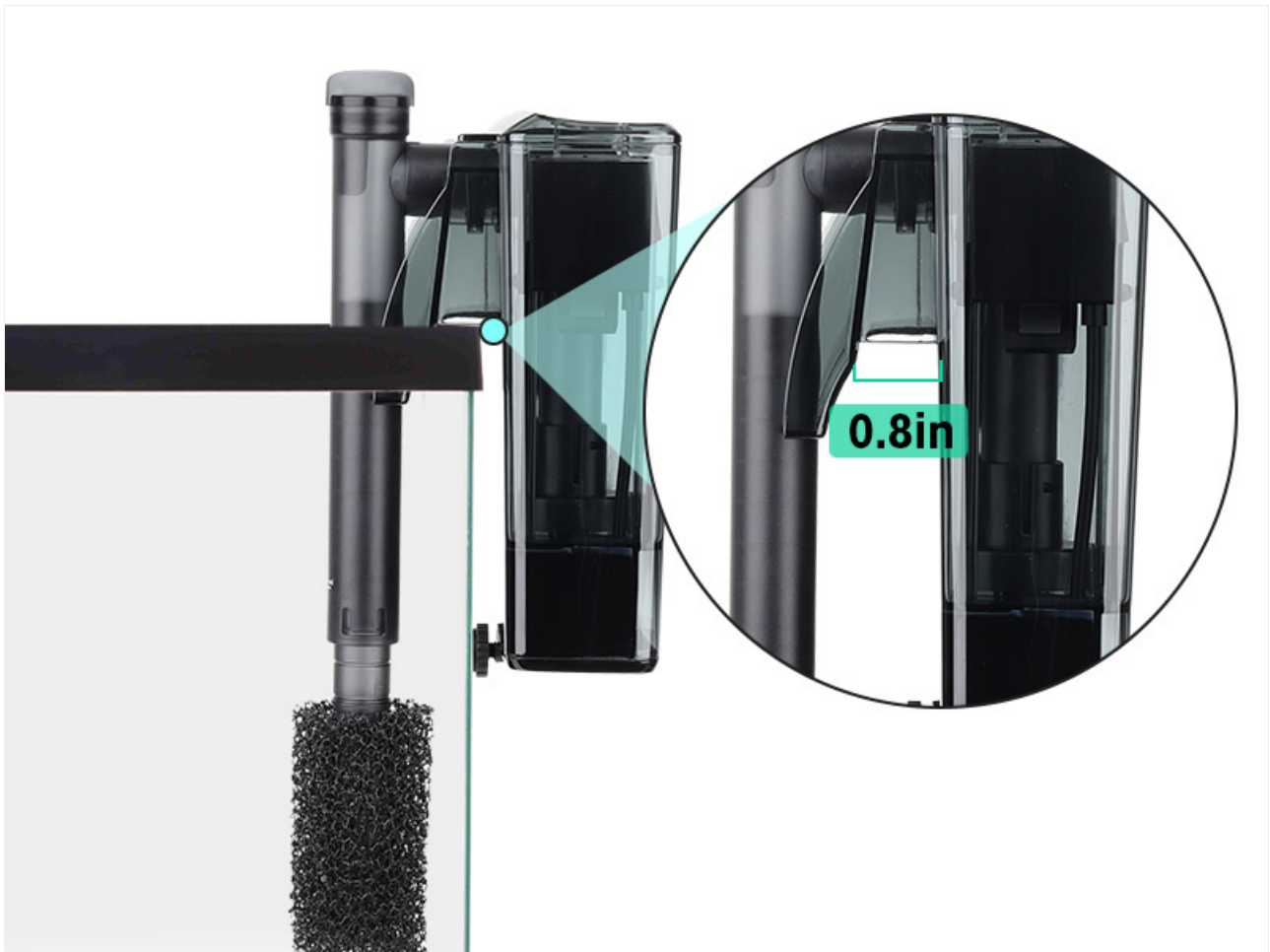


Image 6.4: Visual representation of dirty water entering and clear water exiting the filter.

6.3. Overflow Indicator Light

The filter is equipped with an indicator light that activates if the filter cartridge becomes clogged, causing water to overflow within the filter chamber. A red light will illuminate to remind you that the filter pads require cleaning or replacement.

PREVENT OVERFLOW ALERT



It can effectively detect the water levels, the filter will emit a red indicator light to remind you clean the cotton pad clogging situation

Image 6.5: The red indicator light signaling a clogged filter cartridge.

7. MAINTENANCE

Regular maintenance is crucial for the optimal performance and longevity of your filter. Always unplug the filter before performing any maintenance.

7.1. Filter Media Replacement

The filter cartridge should be replaced every 2-4 weeks, or when the overflow indicator light activates. The bio-filter plate should be rinsed gently in old aquarium water during water changes to preserve beneficial bacteria, and only replaced when visibly degraded.



Image 7.1: Location of the filter cartridge and bio-filter pad.

7.2. Impeller Cleaning

Periodically check and clean the impeller to ensure smooth operation and prevent noise. Detach the motor unit, remove the impeller, and rinse it under clean water. Use a small brush if necessary to remove any debris.



Image 7.2: Example of replacement filter cartridges.



Image 7.3: Another view of replacement filter cartridges.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Filter not pumping water	Not primed; Impeller clogged or damaged; Power outage; Air lock	Ensure filter chamber is filled with water above 'MIN. Water Level'. Unplug, clean impeller, and reassemble. Check power connection. Gently shake filter to release air.
Reduced water flow	Clogged filter cartridge; Clogged intake tube/sponge; Impeller dirty	Replace filter cartridge. Clean intake tube and guard sponge. Clean impeller.
Excessive noise	Impeller dirty or misaligned; Air in filter; Filter not level	Clean and properly align impeller. Ensure filter is primed and free of air. Adjust leveling knob to stabilize the filter.
Overflow indicator light on	Filter cartridge clogged	Replace the filter cartridge immediately.

9. SPECIFICATIONS

Feature	Specification
Model	HOB Filter 105 GPH
Power	4.8 W
Max Flow Rate	105 GPH (Gallons Per Hour)
Recommended Tank Size	10-20 Gallons
Voltage	AC110-120V/60Hz
Cord Length	5.5 FT
Product Dimensions (LxWxH)	5.9 x 2.8 x 9 inches
Item Weight	1.46 pounds

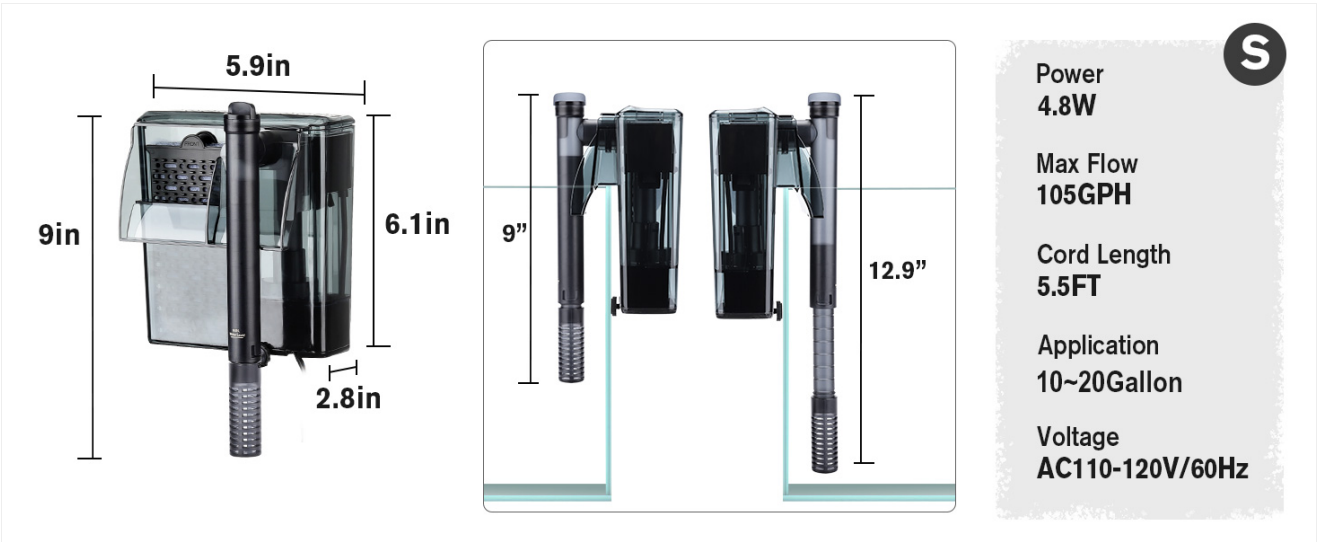



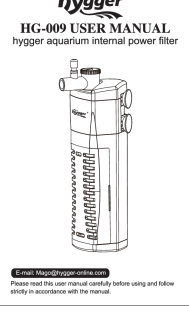

Image 9.1: Detailed specifications and dimensions for the 105 GPH model.




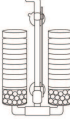


10. WARRANTY AND SUPPORT

hygger products are designed for reliability and performance. For warranty information, technical support, or any questions regarding your product, please contact hygger customer service. Details can typically be found on the product packaging or the official hygger website.

Please retain your purchase receipt as proof of purchase for warranty claims.

Related Documents - HOB Filter 105 GPH

 <p>hygger® HG150 USER MANUAL hygger Backpack Aquarium Filter</p> <p>The hygger backpack aquarium filter with fish waste collector combines filtration, oxygenation, and water circulation, making it perfect for small to medium-sized fish tanks and turtle tanks.</p>	<p>Hygger HG150 Backpack Aquarium Filter User Manual</p> <p>Comprehensive user manual for the Hygger HG150 Backpack Aquarium Filter, detailing product features, installation instructions, troubleshooting, cleaning, and specifications for optimal aquarium maintenance.</p>
 <p>hygger® HG-009 USER MANUAL hygger aquarium internal power filter</p> <p>Please read this user manual carefully before using and follow strictly in accordance with the manual.</p>	<p>Hygger 009 Aquarium Internal Power Filter User Manual</p> <p>Comprehensive user manual for the Hygger 009 internal power filter, covering features, technical specifications, installation, operation, and maintenance for freshwater and saltwater aquariums.</p>
 <p>hygger®</p> <p>E-mail: info@hyggeraquarium.com Website: www.hyggeraquarium.com</p>	<p>Hygger HG-906 Horizon Aquarium Kit User Manual</p> <p>User manual for the Hygger HG-906 Horizon Aquarium Kit, detailing product features, package contents, setup guide, tips for successful aquarium keeping, safety warnings, and warranty information.</p>

<div><p>HG150 USER MANUAL hygger Backpack Aquarium Filter</p><p><small>The hygger backpack aquarium filter with fish waste collector combines filtration, oxygenation, and water change, making it perfect for small to medium-sized fish tanks and tube tanks.</small></p></div>	<p>hygger HG150 Backpack Aquarium Filter User Manual</p> <p>User manual for the hygger HG150 Backpack Aquarium Filter, detailing product features, installation instructions, troubleshooting, cleaning, and specifications for aquarium enthusiasts.</p>
<div><p>HG-908 USER MANUAL HYGGER AQUARIUM BIOCHEMICAL SPONGE FILTER</p><p><small>Hygger aquarium biochemical sponge filter is a type of hanging filter. It is perfect for all types of aquarium tanks and tubes.</small></p></div>	<p>Hygger HG-908 Aquarium Biochemical Sponge Filter User Manual</p> <p>User manual for the Hygger HG-908 Aquarium Biochemical Sponge Filter, detailing features, specifications, installation, maintenance, and warranty for aquarium enthusiasts.</p>
<div><p>HG085 USER MANUAL hygger titanium tube heater</p><p><small>Hygger Titanium Tube Heater with Temperature Controller is suitable for both freshwater and saltwater aquariums. This heater is designed to be energy efficient, explosion-proof, corrosion-resistant and easy to clean. Equipped with a temperature control system, it ensures a stable and consistent water temperature.</small></p></div>	<p>Hygger HG085 Titanium Tube Heater User Manual Aquarium Temperature Control</p> <p>Comprehensive user manual for the Hygger HG085 Titanium Tube Heater. Learn about product features, specifications, installation, operation, safety warnings, troubleshooting, and warranty for your aquarium.</p>