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› FZONE FL-8008 Aquarium Hang-on-Back Filter Instruction Manual

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Model: FL-8008

INTRODUCTION

The FZONE FL-8008 Hang-on-Back (HOB) Filter is designed for mini and nano desktop aquariums, offering a 4-stage filtration system to maintain clear and healthy aquatic environments. This filter features an adjustable flow rate of 106 GPH and includes multiple outlet options for versatile water circulation. Its ultra-quiet brushless motor ensures minimal disturbance to your aquatic life.

SAFETY INSTRUCTIONS

- Always unplug the filter from the power outlet before performing any maintenance, installation, or cleaning.
- Ensure your hands are dry when plugging or unplugging the unit to prevent electrical shock.
- Do not operate the filter if the power cord or plug is damaged.
- This appliance is intended for indoor use only with aquariums. Do not use it for any other purpose.
- Ensure the filter chamber is filled with water before first use to prevent dry running and damage to the motor.
- Keep out of reach of children.
- The filter is suitable for tanks with a rim thickness up to 0.79 inches (20mm).

PACKAGE CONTENTS

Please verify that all components are present in the package:

- Filter top cover with motor
- Upper filter box
- Filter materials box (containing filter media)
- Bucket hook
- Spanner

- Outlet barrel case
- Fixed support
- Extension tubes (2x 3.34 inches)
- Water outlet tube
- Water flow control valve
- Air flow control valve
- Flat nozzle water outlet
- Rain shower tube
- Water inlet tube
- Telescopic pipe
- Water inlet filter basket

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Video: Unboxing and overview of the FZONE Hang-on-Back Filter components.

SETUP INSTRUCTIONS

1. **Prepare Filter Media:** Open the filter materials box and arrange the filter media in the designated compartments. The 4-stage system typically includes Activated Carbon Sponge, Biochemical Sponge, Biological Ceramic Media, and PP Filter Sponge.



Image: Illustration of the 4-stage filtration system with different media types.

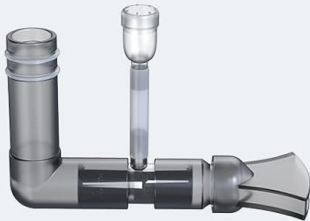
2. **Assemble Inlet and Outlet Pipes:** Connect the water inlet tube, extension tubes (if needed for tank height), and water inlet filter basket. Ensure the IN and OUT pipes are installed correctly on the filter top cover.
3. **Attach Outlet Options:** Choose your preferred water outlet (Rainfall, Duckbill, or Direct-Flow) and attach it to the water outlet tube. The outlet angles can be adjusted.

One Filter, Three Flow Options

easily switch between three outlet styles to suit different tank setups and flow needs.



- High-volume direct flow boosts tank circulation and improves overall water clarity.



- Freely adjust the water direction to optimize circulation and prevent stagnant areas.



- Soft, dispersed water flow increases surface agitation and boosts oxygen levels.



Image: Adjustable flow control and optional aeration function diagram.

4. **Install Bucket Hook:** Attach the bucket hook to the filter body.
5. **Mount on Aquarium:** Hang the filter on the back of your aquarium. The adjustable bracket fits rims up to 0.79 inches (20mm) thick.



Image: Filter dimensions and adjustable hanging bracket.

6. **Prime the Filter:** Before plugging in, fill the filter chamber with aquarium water until the water level is higher than the height of the filter box. This primes the pump and prevents dry running.
7. **Secure Top Cover:** Install the top cover with the motor, ensuring all locking tabs are fully secured onto the main body.
8. **Plug In:** Once assembled and primed, plug the filter into a power outlet.

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Video: Detailed installation guide for the FZONE Hang-on-Back Filter.

OPERATING INSTRUCTIONS

- **Initial Operation:** After plugging in, the filter will start pumping water. Some air may be present in the system initially. Allow it to run for 5-10 minutes to release trapped air, after which it should operate quietly.
- **Adjustable Flow Control:** Use the water flow control valve to fine-tune the inlet and outlet flow to suit your aquarium's needs and inhabitants.

Adjustable Flow Control

Fine-tune the inlet and outlet flow to match different fish, plants, and tank setups.



Image: Demonstrating adjustable flow control for varied tank setups.

- **Multiple Outlet Options:** The filter comes with Rainfall, Duckbill, and Direct-Flow outlets.
 - **Rainfall Outlet:** Provides soft, dispersed water flow, increasing surface agitation and boosting oxygen levels.
 - **Duckbill Outlet:** Allows free adjustment of water direction to optimize circulation and prevent stagnant areas.
 - **Direct-Flow Outlet:** Delivers high-volume direct flow to boost tank circulation and improve overall water clarity.

Quiet Operation, Noise Levels **Down to 30 dB**



Image: Visual representation of the three interchangeable flow outlets.

- **Optional Aeration Mode:** The built-in Venturi aeration system mixes air with water to increase dissolved oxygen. Adjust the air flow control valve to activate or regulate aeration.
- **Dual-Mode Intakes:** The intake strainer prevents small inhabitants like baby shrimp from being sucked in. Removing the strainer activates the waste-suction mode, improving bottom cleaning efficiency.
- **Quiet Operation:** The filter is equipped with a brushless motor and low-friction rotor, operating smoothly with noise levels under 30 dB.

High-Efficiency Multi-Stage Filtration System

Water Intake

Draws dirty water from the lower part of the tank, effectively removing fish waste and settled debris.



Pump-Driven Circulation

The built-in powerful motor pushes water upward, ensuring smooth flow into the filtration chamber.



4-Stage Filtration System

Multiple filter layers work together to provide both mechanical and biological filtration for thorough water purification.



Water Output

Clean, filtered water returns evenly to the tank. Comes with three interchangeable outlet options to suit different flow styles.

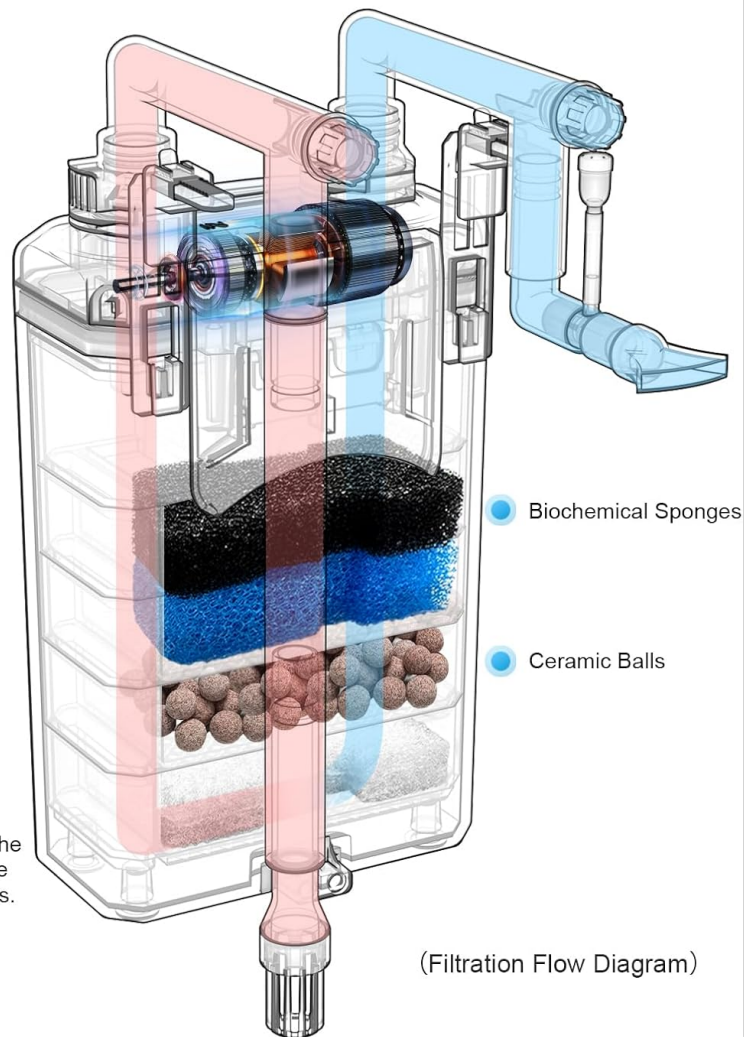


Image: Demonstration of the filter's quiet operation, with noise levels below 30 dB.

MAINTENANCE

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

- Cleaning Filter Media:** Periodically rinse the filter sponges (Activated Carbon Sponge, Biochemical Sponge, PP Filter Sponge) in old aquarium water to remove accumulated debris. Do not use tap water as chlorine can harm beneficial bacteria. Replace activated carbon every 2-4 weeks as it loses effectiveness. Biological ceramic media should be rinsed gently and replaced only when visibly degraded.

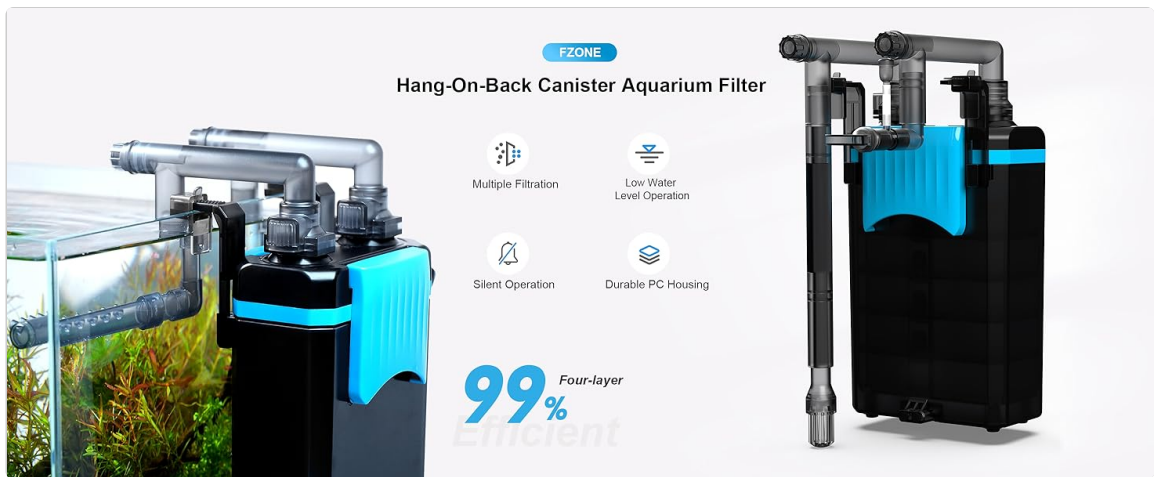


Image: Internal view of the filter showing the 4-stage filtration process.

2. **Cleaning Impeller:** The impeller inside the motor housing should be cleaned regularly to prevent blockages and maintain efficient water flow. Carefully remove the top cover and motor, then access and clean the impeller with a small brush.
3. **Cleaning Inlet/Outlet Pipes:** Disassemble and clean the inlet and outlet pipes, including the filter basket and chosen outlet, to remove algae and debris that can restrict flow.
4. **Reassembly:** Reassemble all components, ensuring they are securely fitted. Prime the filter with aquarium water before plugging it back in.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Filter not starting or low flow	Not plugged in; air trapped in system; clogged impeller; clogged intake/outlet; filter not primed.	Check power connection; allow 5-10 minutes for air release; clean impeller; clean pipes/media; ensure filter is primed with water.
Excessive noise/vibration	Air trapped in system; dirty/damaged impeller; filter not seated correctly; water level too low.	Allow air to escape; clean/inspect impeller for damage; ensure filter is stable on tank rim; maintain adequate water level in aquarium.
Water not clear	Clogged filter media; media needs replacement; insufficient filtration for tank size; overfeeding.	Clean/replace filter media; reduce feeding; perform partial water changes.
Water leaking	Improper assembly of pipes or top cover; damaged O-rings/seals.	Check all connections and ensure top cover is securely latched; inspect O-rings for damage and replace if necessary.

SPECIFICATIONS

- **Model:** FL-8008
- **Power:** 5W
- **Flow Rate:** 106 GPH (Gallons Per Hour)
- **Voltage:** AC 100-110V
- **Recommended Tank Capacity:** 5-24 Gallons
- **Max. Tank Rim Thickness:** 0.79 inches (20mm)

- **Filtration Stages:** 4-layer (Activated Carbon Sponge, Biochemical Sponge, Biological Ceramic Media, PP Filter Sponge)
- **Noise Level:** <30 dB
- **Item Weight:** 2.35 pounds
- **Item Package Dimensions:** 8.7 x 6.22 x 5.59 inches

WARRANTY AND SUPPORT

FZONE offers a **1-year warranty** on this product. For any questions, concerns, or support needs regarding your aquarium filter, please contact FZONE customer service. Providing a satisfactory solution is our after-sales goal.

You can visit the FZONE Store on Amazon for more information and contact options:[FZONE Store](#)