

AQQA GCA-AQ025-S-CA

AQQA Aquarium Internal Filter (Model GCA-AQ025-S-CA) User Manual

INTRODUCTION

The AQQA Aquarium Internal Filter (Model GCA-AQ025-S-CA) is designed to provide efficient and quiet filtration for your aquarium. This 3-in-1 multi-function filter offers filtration, oxygenation, and wave-making capabilities, ensuring clear water and a healthy environment for your aquatic life. This manual provides detailed instructions for the proper setup, operation, and maintenance of your filter.

PRODUCT OVERVIEW

The AQQA Internal Filter integrates mechanical, chemical, and biological filtration. It features an adjustable flow rate, a quiet motor, and a transparent filter box for easy monitoring.

- **3-in-1 Functionality:** Combines water filtration, oxygen supply, and wave-making.
- **Adjustable Flow Rate:** Allows customization of water flow for different aquatic inhabitants.
- **Ultra-Quiet Operation:** Designed with a high-quality silent motor for minimal disturbance.
- **Efficient Filtration Media:** Includes coarse media sponge, activated carbon, and ceramic balls for comprehensive water purification.

PRODUCT STRUCTURE

High-quality core shaft

The filter is made of High-quality core shaft which are ultra quiet energy-saving and high operating efficiency



4 strong suction cups

4 strong suction cups are great for mounting onto the glass surface either vertically or horizontally, suitable for various fish tanks



Adjustable Flow Rate

The water flow can be easily adjusted by rotating the regulator, which can distribute a gentle and even flow of water, suitable for delicate fish and shrimp.



Adjustable Air valve

Adjustable air regulator allows aeration flow control, increase oxygen content in water, effectively inhibit the growth of anaerobic bacteria and prevent water from deteriorating



Figure 1: Product Structure - Exploded view showing the filter's individual components including the core shaft, suction cups, and adjustable air valve.

THREE LAYER FILTER

Quickly assembles and disassembles



Biochemical Cotton Layer Trap larger particles
Debris, Residue, Fish Manure.

----Bacteria Culture

Activated Carbon Water Filter Remove Bad
Tastes and Odors.

----Effectively Purify, Clean Water

Bio Ceramic Media Balls improve the
filtering effect.

-----can quickly purify
the water quality

Figure 2: Three-Layer Filter System - Illustrates the biochemical cotton, activated carbon, and bio ceramic media balls for comprehensive water purification.

MULTIFUNCTIONAL AQUARIUM INTERNAL FILTER



Oxygen Supply: The filter would add oxygen to the water and improve growth of fish turtle frogs reptiles. Provide oxygen to beneficial microbes in water filtration



Multiple Filter Function: the filter boxes could be easily set up or cleaned. Effectively filter impurities to prevent clogging.

Aquarium Water Circulation: Improve water circulation and oxygenation. Helps eliminate dead spots in your fish tank

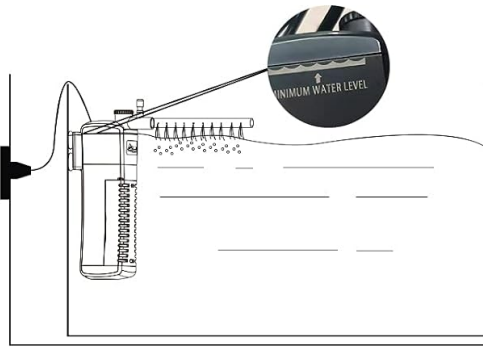


Figure 3: Multifunctional Aquarium Internal Filter - Highlights oxygen supply, multiple filter functions, and aquarium water circulation.

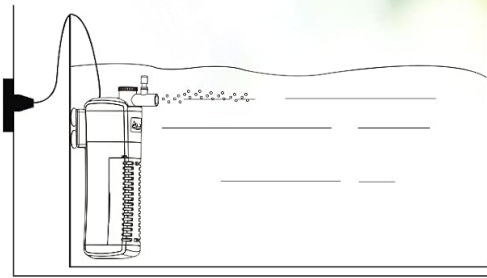
SETUP INSTRUCTIONS

1. **Unpacking:** Carefully remove all components from the packaging.
2. **Assembly:** Attach the desired water outlet and air tube (if oxygenation is required) to the filter head. Ensure the filter media (sponge, carbon, ceramic balls) are correctly placed within the filter box.
3. **Placement:** Submerge the filter completely in the aquarium water. Use the strong suction cups to securely mount the filter to the inside glass of your aquarium, either vertically or horizontally. Ensure the water level is above the minimum water level mark for proper operation. The filter can be fully submerged.
4. **Power Connection:** Connect the power plug to a suitable electrical outlet.

ATTENTION FOR INSTALLATION



Minimum water level



Fully submersible



High quality motor to provide a quiet working environment.

Figure 4: Installation Guidelines - Illustrates correct water levels for filter operation, including minimum and fully submersible options.

OPERATING INSTRUCTIONS

1. **Power On:** Once submerged and connected, the filter will begin operating.
2. **Adjusting Water Flow:** Rotate the flow regulator to increase or decrease the water flow rate. A gentle flow is suitable for delicate fish or shrimp, while a higher flow can create a waterfall effect or maximize dissolved oxygen.
3. **Adjusting Air Supply (Oxygenation):** If using the air tube, adjust the air regulator to control the amount of aeration, which helps increase oxygen content in the water.

MAINTENANCE

Regular maintenance is crucial for optimal filter performance and water quality.

1. **Filter Cartridge Replacement:** The filter cartridge (containing sponge and activated carbon) should be replaced every 2 weeks to 1 month, depending on the aquarium's bioload and water clarity. The transparent filter box allows visual inspection to determine when replacement is needed.

2. **Ceramic Rings:** The ceramic rings provide biological filtration. Do not clean these rings with tap water, as it can kill beneficial bacteria. Replace them only when they show signs of degradation.
3. **Cleaning:** Disconnect the power before performing any maintenance. Disassemble the filter components for thorough cleaning. Rinse the filter housing and impeller with aquarium water to remove debris. For the impeller, applying food-grade silicone grease can help maintain quiet operation and longevity.
4. **Reassembly:** Reassemble all components securely and re-submerge the filter before reconnecting power.

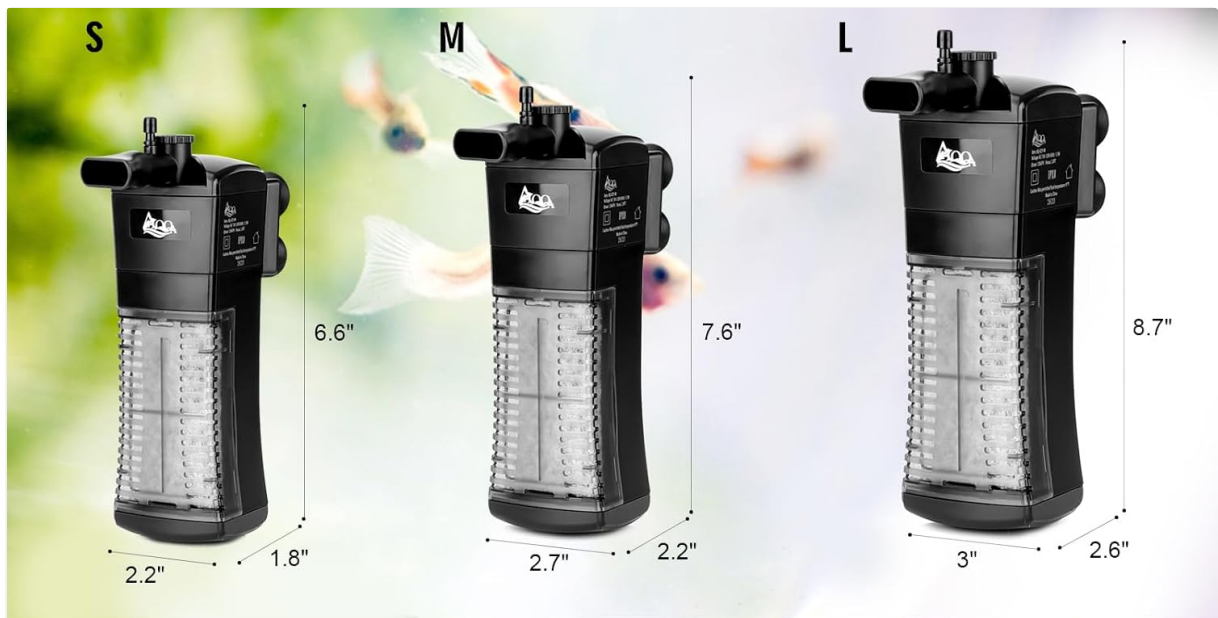
TROUBLESHOOTING

- **Reduced Water Flow:**
 - Check if the filter media is clogged. Clean or replace as necessary.
 - Inspect the impeller for blockages or wear. Clean the impeller and its housing.
 - Ensure the water level is above the minimum operating level.
- **Excessive Noise:**
 - Check if the impeller is properly seated and free of debris.
 - Ensure the filter is securely mounted and not vibrating against the tank glass.
 - Verify the water level is adequate.
- **Filter Not Starting:**
 - Ensure the power cord is securely plugged in.
 - Check for power outages or tripped circuit breakers.
 - Inspect the impeller for any obstructions preventing it from spinning.

SPECIFICATIONS (MODEL GCA-AQ025-S-CA)

The following specifications apply to the AQQA Internal Filter, Model GCA-AQ025-S-CA (79 GPH, 5-30 Gallon):

| Feature | Specification |
|---------------------------|----------------------------|
| Item No. | AQ-025-S |
| Power | 4.5W |
| Voltage | 110-120V |
| Frequency | 60Hz |
| Flow Rate | 79 GPH |
| Head | 1.3 FT |
| Recommended Aquarium Size | 5-30 Gallons |
| Dimensions (LxWxH) | Approx. 2.2" x 1.8" x 6.6" |
| Item Weight | 380 g |



PRODUCT SPECIFICATIONS

| Item No. | AQ-025-S | AQ-025-M | AQ-025-L |
|----------------------------|----------|----------|-----------|
| Voltage | 110-120V | 110-120V | 110-120V |
| Frequency | 60Hz | 60Hz | 60Hz |
| Weight(G) | 408 | 520 | 678 |
| Power(W) | 4.5 | 5.5 | 8.5 |
| Flow(GPH) | 79 | 120 | 172 |
| Head(FT) | 1.3 | 2 | 3 |
| Recommended Aquarium size: | 5-30Gal | 30-60Gal | 50-120Gal |

Figure 5: Product Specifications - Detailed table outlining specifications for different filter sizes (S, M, L).

WARRANTY AND SUPPORT

For warranty information or technical assistance, please contact AQQA customer support through their official channels. Keep your purchase receipt as proof of purchase.