

AQQA AQ150

AQQA AQ150 External Aquarium Filter Instruction Manual

Model: AQ150 (35W, 2200 L/H, up to 500L Aquariums)

INTRODUCTION

Thank you for choosing the AQQA AQ150 External Aquarium Filter. This high-performance canister filter is designed to provide superior water purification for your aquarium, ensuring a healthy and clear environment for your aquatic life. Featuring a powerful 35W motor with a maximum flow rate of 2200 liters per hour, this filter is suitable for aquariums up to 500 liters. Its advanced 3-level filtration system, adjustable water flow, and silent operation make it an ideal choice for both novice and experienced aquarists.

IMPORTANT SAFETY INSTRUCTIONS

- Read all instructions carefully before installation and operation.
- Ensure the filter is placed on a stable, level surface below the aquarium water level to facilitate proper water flow.
- Always disconnect the power supply before performing any maintenance, cleaning, or assembly.
- Do not operate the filter if the power cord or plug is damaged.
- This appliance is for indoor use only and must not be exposed to water splashes or rain.
- Keep out of reach of children.
- Ensure all connections are secure and leak-free before powering on the unit.

PACKAGE CONTENTS

Carefully unpack all components and ensure everything is present and undamaged. If any parts are missing or damaged, please contact customer support.



Image: All components included in the AQQA AQ150 filter package. This includes the main canister filter, two PVC hoses (59.06 inches each), three media baskets, inlet and outlet tubes, three filter sponges (black, white, yellow), three bags of filter stones, and four suction cups.

- 1 x Canister Filter Unit
- 2 x PVC Hoses (approx. 59 inches / 1.5 meters each)
- 3 x Media Baskets
- 1 x Inlet Tube Assembly
- 1 x Outlet Tube Assembly
- 3 x Filter Sponges (various types)
- 3 x Filter Stone Bags
- 4 x Suction Cups

SETUP INSTRUCTIONS

1. Preparing Filter Media

The AQQA AQ150 filter utilizes a 3-level filtration system for comprehensive water purification. Arrange the provided filter media within the media baskets as follows:

1. **Bottom Basket:** Place the coarse filter sponge and a portion of the filter stones for mechanical and biological filtration.
2. **Middle Basket:** Place the medium filter sponge and another portion of the filter stones.
3. **Top Basket:** Place the fine filter sponge and the remaining filter stones.

Ensure the media baskets are stacked correctly inside the canister filter unit.

Maximum Flow Rate of 581GPH(2200L/H)



Filter Cotton and Filter Media Balls

Isolate and absorb impurities, deodorizing odors and decomposing toxins, filter and purify water.



Multilayer Filtration

Filter Cotton and Filter Media Balls, Equipped with multiple layers of high-quality filtration media, ensures efficient filtration to get crystal-clear water.

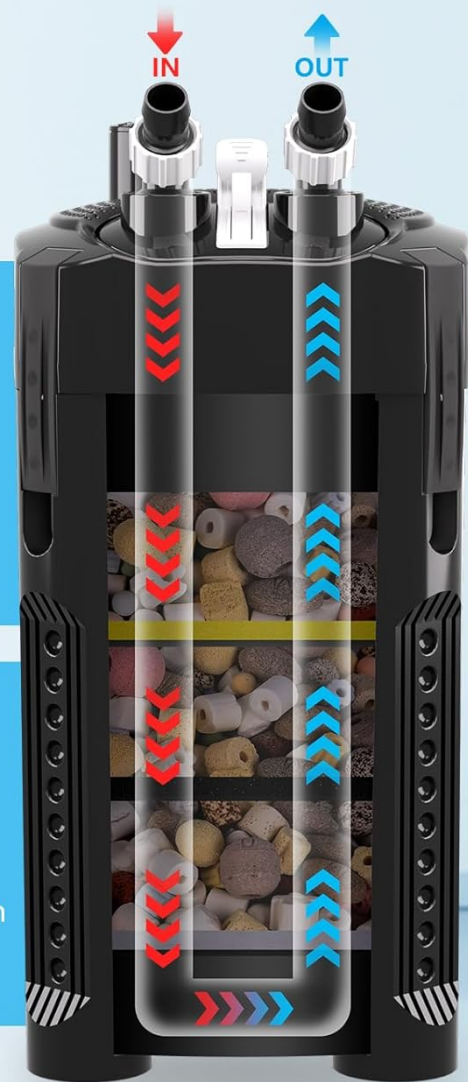


Image: Internal view of the filter showing the multi-layer filtration process. Water enters (IN), passes through filter cotton and media balls in multiple stages, and exits (OUT) purified. This system effectively isolates impurities, deodorizes, and decomposes toxins.

2. Connecting Hoses and Tubes

1. Attach the inlet tube assembly (with strainer) to one end of a PVC hose. Secure it with a hose clamp if provided.
2. Attach the outlet tube assembly (with spray bar) to one end of the second PVC hose. Secure it with a hose clamp.
3. Connect the other end of the inlet hose to the filter's "IN" port.

4. Connect the other end of the outlet hose to the filter's "OUT" port.
5. Ensure all hose connections are tight and secure to prevent leaks.

3. Positioning the Filter

Place the filter unit on a stable surface below the aquarium. Use the suction cups to secure the inlet and outlet tubes inside the aquarium.

4. Priming the Filter

Before plugging in the filter, it must be filled with water. This can typically be done by:

- Opening the inlet valve (if present) and allowing water to siphon from the aquarium into the filter until it is full.
- Alternatively, manually fill the canister with aquarium water before sealing the lid.

Ensure all air is expelled from the filter unit and hoses before proceeding.

5. Power Connection

Once the filter is primed and all connections are secure, plug the power cord into a grounded electrical outlet. The filter should start operating silently.

OPERATING INSTRUCTIONS

1. Starting the Filter

After successful setup and priming, the filter will begin circulating and purifying aquarium water once plugged in. Observe the water flow from the outlet tube to confirm proper operation.

2. Adjusting Water Flow

The AQQA AQ150 features an adjustable water flow valve, allowing you to customize the flow rate to suit your aquarium's needs. Locate the flow control lever on the filter head and adjust it to increase or decrease the water flow. This flexibility ensures optimal filtration for various tank sizes and inhabitants.

Adjustable Water Flow



Image: The adjustable water flow feature. The lever can be moved to set maximum or minimum water flow. The inlet and outlet connections are rotatable for flexible hose positioning.

3. Silent Operation

The filter is designed with a high-performance copper motor and a robust sealing system to ensure quiet operation, typically below 30 dB. This allows for a peaceful aquarium environment without disruptive noise.



Image: Key features of the AQQA external filter: Powerful Copper Motor, Efficient Multilayer Filtration, Adjustable Water Flow, and Silent Working (less than 30 dB).

MAINTENANCE

Regular maintenance is crucial for the optimal performance and longevity of your AQQA AQ150 filter. Always disconnect power before performing any maintenance.

1. Cleaning Filter Media

- **Frequency:** Clean filter media every 2-4 weeks, or when you notice a significant reduction in water flow.
- **Procedure:** Carefully remove the filter head and media baskets. Rinse the filter sponges and filter stones thoroughly with old aquarium water (from a water change) to preserve beneficial bacteria. Do not use tap water directly, as chlorine can harm beneficial bacteria.
- **Replacement:** Filter sponges should be replaced every 3-6 months, or when they show signs of wear and tear. Filter stones (biological media) generally do not need replacement unless they are physically breaking down.

2. Cleaning Hoses and Impeller

- **Hoses:** Periodically clean the inlet and outlet hoses using a flexible brush to remove algae and debris that can restrict flow.
- **Impeller:** The impeller inside the filter head should be inspected and cleaned every few months. Remove the impeller cover and carefully clean the impeller and its housing to ensure smooth, silent operation.

3. Checking Seals

Inspect the rubber seals (O-rings) on the filter head and media baskets during each cleaning. Ensure they are clean, free of debris, and properly seated. Apply a thin layer of silicone grease (aquarium safe) to the O-rings periodically to maintain their flexibility and prevent leaks.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No water flow / Filter not starting	Not plugged in; Power outage; Air in filter; Impeller jammed; Clogged intake.	Check power connection; Re-prime the filter; Clean impeller; Clear intake strainer.
Reduced water flow	Clogged filter media; Clogged hoses; Impeller dirty/worn; Air in system.	Clean/replace filter media; Clean hoses; Clean impeller; Re-prime filter.
Loud noise / Vibration	Air trapped in filter; Impeller dirty/damaged; Filter not level.	Re-prime filter to remove air; Clean/inspect impeller; Ensure filter is on a level surface.
Water leakage	Improperly sealed lid; Damaged O-ring; Loose hose connections.	Ensure lid is securely fastened; Inspect/replace O-ring; Tighten hose connections.

SPECIFICATIONS

Feature	Detail
Model Number	AQ150
Power Consumption	35W
Max Flow Rate	2200 L/H (581 GPH)
Applicable Aquarium Size	Up to 500 Liters (28"-55" / 70-140cm)
Filtration Stages	3 Levels (Mechanical, Biological)
Product Dimensions (L x W x H)	8.5" x 8.5" x 18.5" (21 x 21 x 47 cm)
Package Dimensions	49 x 35 x 25 cm
Product Weight	6.48 kg
Color	Black
Energy Label	A



Power	18W	25W	35W
Max flow	1200L/H (317GPH)	1800L/H (475GPH)	2200L/H (581GPH)
Product size	7.1'x7.1"x11.2" (18x18x29cm)	7.1'x7.1"x16" (18x18x40cm)	8.5"x8.5"x18.5" (21x21x47cm)
Applicable tank size	16"-31.5" (40-80cm)	20"-39.5" (50-100cm)	28"-55" (70-140cm)
Cord length	6.2ft (1.9m)	6.2ft (1.9m)	6.2ft (1.9m)

Image: Comparison of AQQA external filter models. This model (35W) has a max flow of 2200 L/H, product size of 8.5"x8.5"x18.5", applicable tank size of 28"-55" (70-140cm), and a cord length of 6.2ft (1.9m).

WARRANTY INFORMATION

The AQQA AQ150 External Aquarium Filter comes with a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product functions as intended under normal use. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, improper installation, unauthorized modifications, or normal wear and tear of consumable parts like filter media.

CUSTOMER SUPPORT

If you have any questions, concerns, or require assistance with your AQQA AQ150 External Aquarium Filter, please do not hesitate to contact our customer support team. We are committed to providing excellent service and support.

- **Email:** Please refer to the contact information provided with your product packaging or on the official AQQA website.

- **Online Resources:** Visit the AQQA official website for FAQs, additional guides, and product information.