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- › [Aquael](#) /
- › [Aquael Fan Internal Filter 1 Plus User Manual](#)

Aquael Fan Filter 1 Plus

Aquael Fan Internal Filter 1 Plus User Manual

Model: Fan Filter 1 Plus (AAU120620)

1. INTRODUCTION

The Aquael Fan Internal Filter 1 Plus is a high-performance filtration system designed for use in both freshwater and saltwater aquariums. Its efficient design ensures optimal water circulation and filtration, contributing to a clear and healthy aquatic environment. This filter is known for its quiet operation, energy efficiency, and ease of maintenance. This manual provides detailed instructions for the proper installation, operation, and maintenance of your Aquael Fan Internal Filter 1 Plus to ensure its longevity and effective performance.



Image 1.1: AquaEl Fan Internal Filter 1 Plus with its packaging.

2. SAFETY INFORMATION

Please read all safety instructions carefully before operating the filter. Failure to follow these instructions may result in damage to the product or injury.

- Always disconnect the power supply before performing any maintenance, cleaning, or installation procedures.
- Ensure the filter is fully submerged in water before connecting it to the power supply.
- Do not operate the filter if the power cord or plug is damaged.
- This appliance is intended for indoor use only and for filtering water in aquariums.
- Keep out of reach of children.

3. PACKAGE CONTENTS

Carefully unpack your Aqualael Fan Internal Filter 1 Plus and verify that all components are present. The package should contain the following items:



Image 3.1: Labeled components of the Aqualael Fan Filter 1 Plus.

1. Main Pump
2. Universal Mounting Bracket
3. Aquarium Hanger
4. Flow Deflector
5. Air Regulator
6. Aeration Adapter
7. Inlet Screen
8. Filter Cover
9. Standard Sponge
10. 4x Suction Cups

4. INSTALLATION (SETUP)

Follow these steps to properly install your Aqualael Fan Internal Filter 1 Plus:

4.1 Assembling the Filter

1. Ensure all components are clean before assembly.
2. Attach the standard sponge to the main pump unit, ensuring it is securely seated within the filter cover.
3. If using the aeration feature, connect the aeration adapter to the pump outlet and then attach the air line (aeration tube) to the adapter. The air regulator can be attached to the free end of the air line.
4. Attach the flow deflector to the pump outlet.

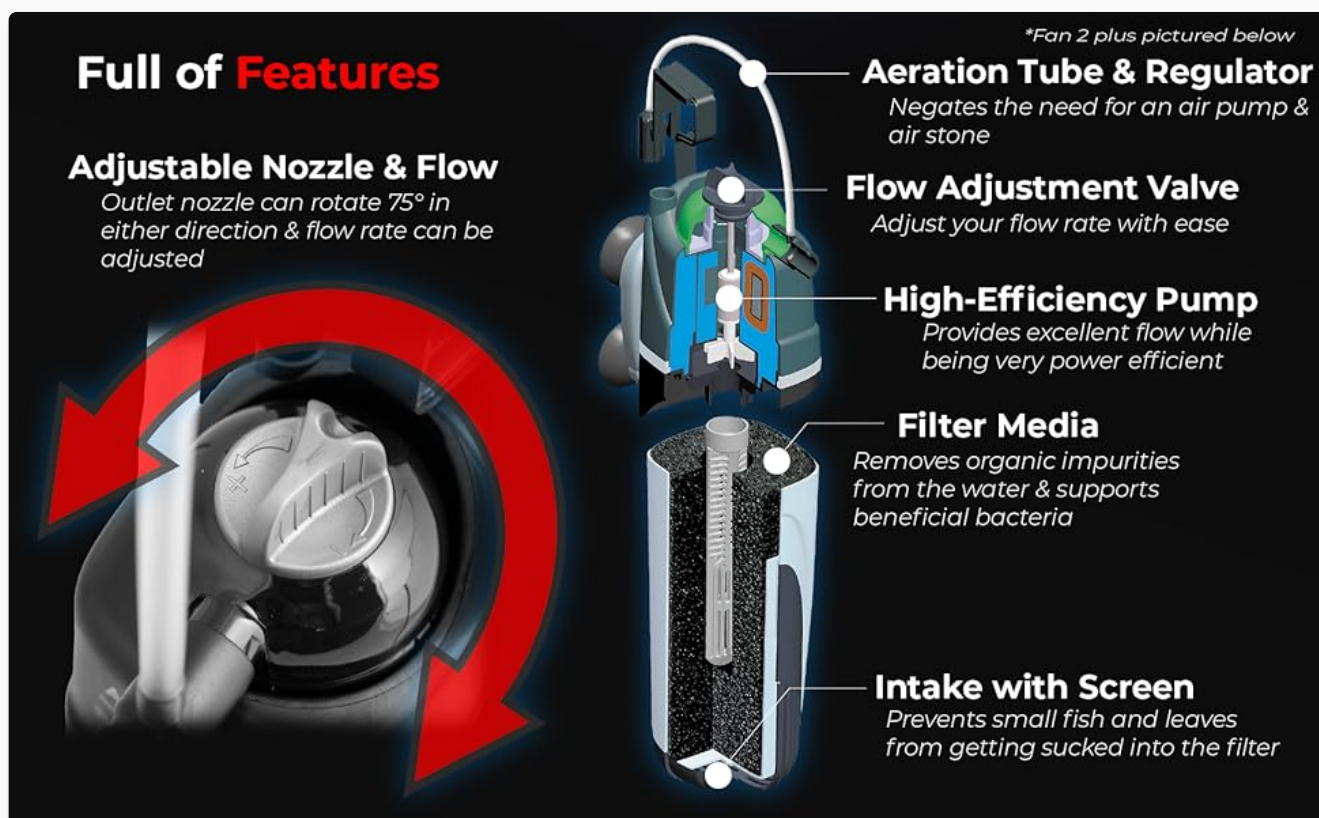


Image 4.1: Exploded view showing the filter's internal components and assembly.

4.2 Mounting the Filter in the Aquarium

The filter offers a universal mounting system for flexible placement.

Innovative Features



Easy maintenance

Fan filters are very easy to take apart to perform maintenance and replace filter media as the filter cover and standard sponge just slide off and on



Universal Mounting System

Mounting bracket can be adjusted to fit a wide variety of aquariums along with powerful suction cups



Aeration System

Included aeration components allow you to aerate your aquarium water without the need for an air stone and air pump

Image 4.2: Universal mounting options for the AquaEl Fan Filter.

- **Using Suction Cups:** Attach the four suction cups to the universal mounting bracket. Press the bracket firmly against the clean, inner glass surface of your aquarium, ensuring the filter is fully submerged.
- **Using the Aquarium Hanger:** Slide the aquarium hanger onto the universal mounting bracket. Place the hanger over the rim of your aquarium, ensuring the filter is securely suspended and fully submerged.

Position the filter in an area that allows for optimal water circulation throughout the aquarium.

5. OPERATION

Once installed, the AquaEl Fan Internal Filter 1 Plus is ready for operation. Ensure the filter is fully submerged before plugging it into a power outlet.

5.1 Adjusting Flow Rate and Direction

The filter features an adjustable flow rate and a rotatable outlet for precise water movement.

ADJUSTABLE FLOW RATE & DIRECTION

FAN FILTER

**FLOW
ADJUSTMENT
KNOB**

**OUTLET CAN
ROTATE **75°**
IN EITHER
DIRECTION**

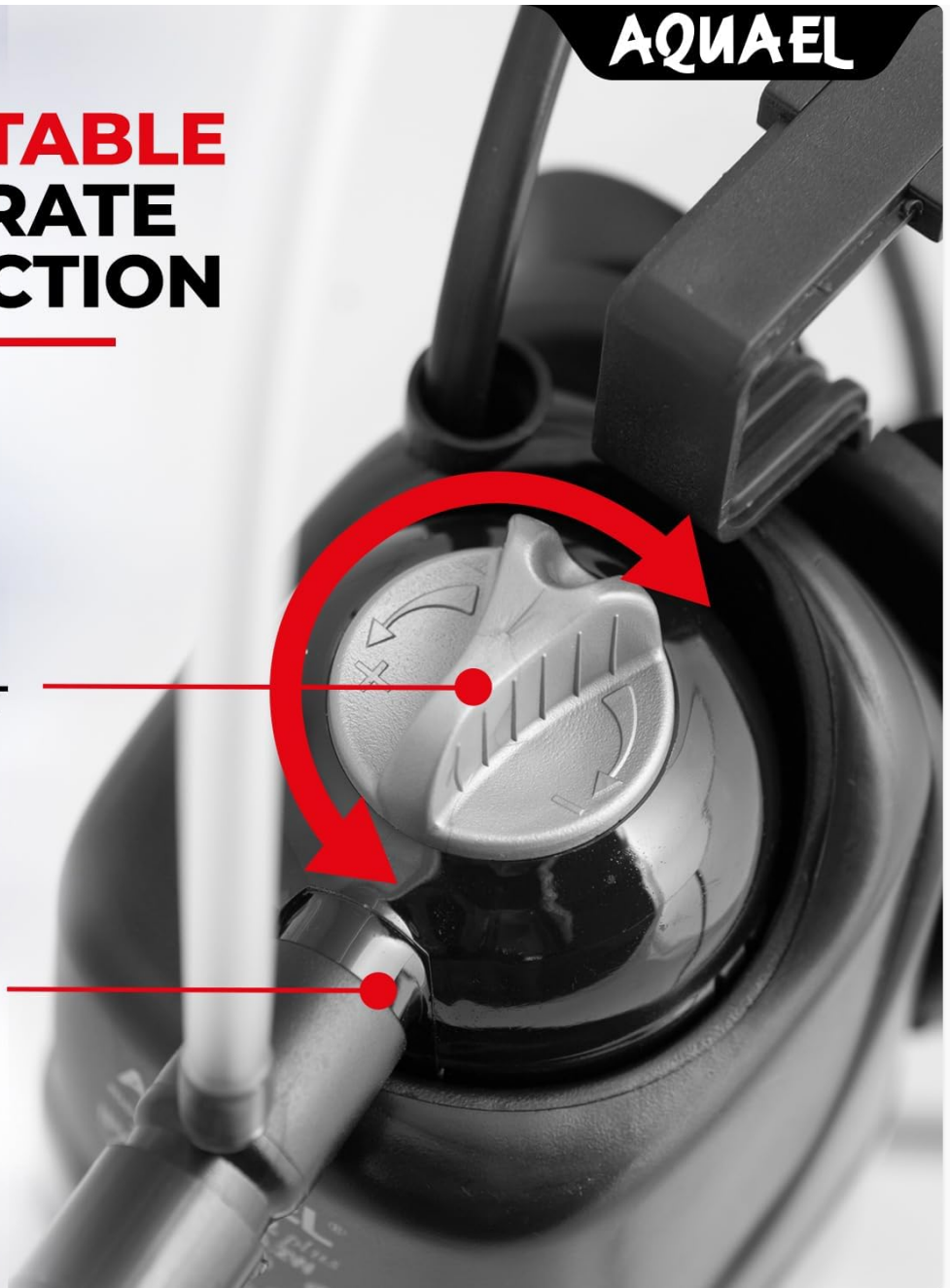


Image 5.1: Flow adjustment knob and rotatable outlet.

- **Flow Adjustment Knob:** Rotate the knob located on the top of the filter to increase or decrease the water flow rate. Adjust according to the needs of your aquarium inhabitants and tank size.
- **Outlet Direction:** The outlet nozzle can be rotated up to 75 degrees in either direction, allowing you to direct the water flow as desired for optimal circulation and surface agitation.

5.2 Aeration System

The integrated aeration system utilizes the Venturi effect to oxygenate your aquarium water without the need for a separate air pump or air stone.

INTEGRATED AERATION SYSTEM

FAN FILTER

QUIET OPERATION DUE TO
LACK OF ADDITIONAL
MECHANICAL PARTS

AERATES AQUARIUM
WATER WHILE FILTER
IS RUNNING

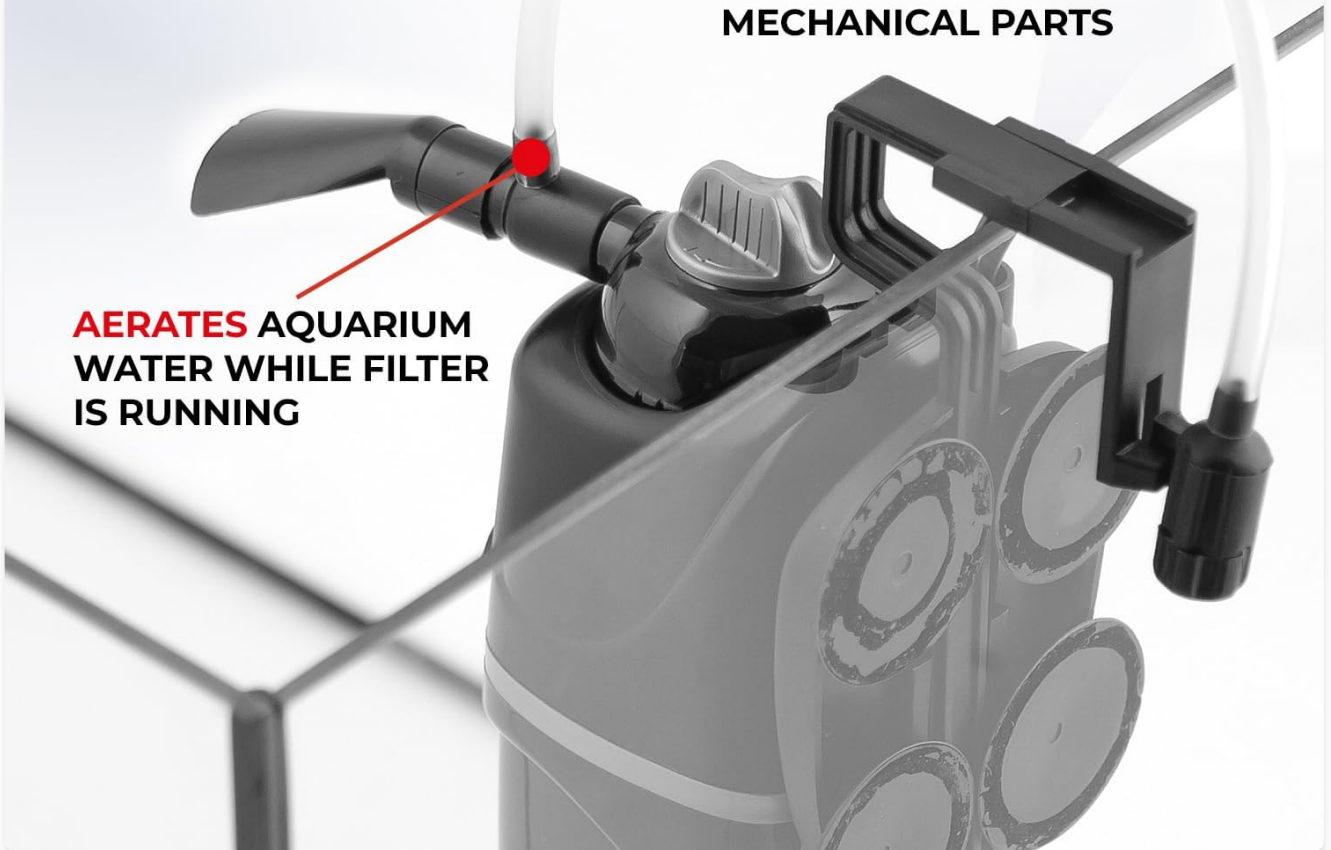


Image 5.2: Integrated aeration system.

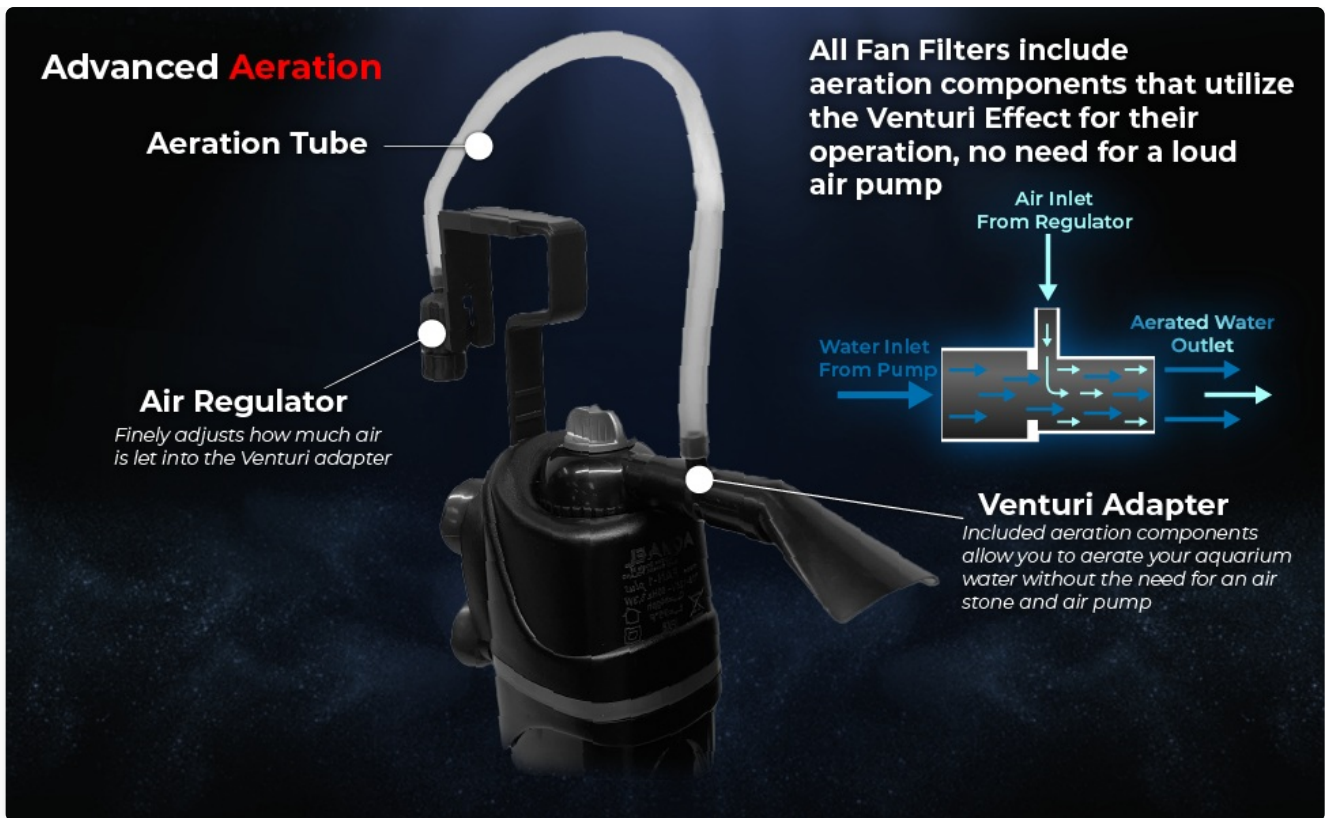


Image 5.3: Advanced aeration mechanism using the Venturi effect.

- If the aeration tube is connected, air will be drawn into the water flow, creating bubbles and increasing oxygen levels.
- Use the air regulator on the air line to finely adjust the amount of air introduced into the aquarium.

6. MAINTENANCE

Regular maintenance is crucial for the efficient and long-lasting performance of your filter. Always disconnect the filter from the power supply before performing any maintenance.

6.1 Cleaning the Filter Sponge

The filter sponge should be cleaned regularly, typically every 2-4 weeks, depending on the bioload of your aquarium. This prevents clogging and maintains filtration efficiency.



Image 6.1: Replacement filter sponge for Fan Filter 1.

1. Disconnect the filter from the power supply.

2. Carefully remove the filter from the aquarium.
3. Detach the filter cover and slide off the standard sponge.
4. Rinse the sponge thoroughly in old aquarium water (from a water change) to preserve beneficial bacteria. Do not use tap water directly, as chlorine can harm these bacteria.
5. Reassemble the filter and place it back into the aquarium.
6. Reconnect the power supply.

6.2 Cleaning the Impeller and Pump Housing

Periodically, inspect and clean the impeller and pump housing to ensure smooth operation and prevent blockages.

1. Disconnect the filter from the power supply and remove it from the aquarium.
2. Disassemble the main pump unit to access the impeller chamber.
3. Remove the impeller and clean it, along with its shaft and the impeller chamber, using a small brush or cotton swab. Remove any debris or mineral buildup.
4. Rinse all parts with clean water.
5. Reassemble the pump and filter components.
6. Place the filter back into the aquarium and reconnect the power supply.

7. TROUBLESHOOTING

If you encounter issues with your Aqualael Fan Internal Filter 1 Plus, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Filter not starting or weak flow	<ul style="list-style-type: none"> • Power not connected • Impeller clogged or damaged • Filter sponge clogged • Air trapped in pump 	<ul style="list-style-type: none"> • Check power connection • Clean impeller and housing • Clean or replace filter sponge • Shake filter gently to release air
Excessive noise	<ul style="list-style-type: none"> • Impeller dirty or damaged • Air in pump • Filter not securely mounted 	<ul style="list-style-type: none"> • Clean or inspect impeller • Shake filter gently to release air • Ensure suction cups/hanger are firm
No aeration	<ul style="list-style-type: none"> • Air line blocked or disconnected • Air regulator closed • Water level too low 	<ul style="list-style-type: none"> • Check air line for kinks or blockages • Open air regulator • Ensure filter is fully submerged

8. SPECIFICATIONS

Detailed technical specifications for the Aqualael Fan Internal Filter 1 Plus:

Feature	Detail
Brand Name	Aquael
Model Name	Aquael Fan Filter - 1 Plus
Item Model Number	AAU120620
ASIN	B08PDP3MRQ
Item Weight	13.7 ounces
Item Package Dimensions (L x W x H)	8.27 x 3.66 x 3.11 inches
Color	Black
Size	1 (for 15-25 US gallons)
Power (W)	4.5 W
Efficiency (US gal/h)	84 gal/h
Target Audience Keyword	Fish
Specific Uses for Product	Indoor Aquarium Filtration
Included Components	Aquael Fan Filter - 1 Plus
Date First Available	December 1, 2020

8.1 Filter Size Chart

The Aquael Fan Filter series is available in various sizes to suit different aquarium volumes:

AVAILABLE IN FIVE SIZES

FAN FILTER



	Mikro	Mini	1 Plus	2 Plus	3 Plus
Power (W)	4	4.2	4.5	5.7	10
Efficiency (US gal/h)	65	65	84	120	180
Tank size (US gal)	≤ 8	8–15	15–25	25–35	35–65

Image 8.1: Aquael Fan Filter size comparison and specifications.

Model	Power (W)	Efficiency (US gal/h)	Tank Size (US gal)
Mikro	4	65	≤ 8
Mini	4.2	65	8–15
1 Plus	4.5	84	15–25
2 Plus	5.7	120	25–35
3 Plus	10	180	35–65

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The Aqualael Fan Internal Filter 1 Plus comes with a manufacturer's warranty. Please refer to the warranty documentation included with your product for specific terms and conditions. Generally, Aqualael products are covered by a 2-year warranty against manufacturing defects.

FAN FILTER
All in One, Durability & Efficiency

AQUAEL

2 YEAR WARRANTY

- Ultra Quiet Operation
- Energy Efficient
- Aerates Water
- JUST PLUG & ENJOY
- No Special Setup Required
- Reliable & Easy to Maintain

Image 9.1: Aqualael Fan Filter highlighting its 2-year warranty.

9.2 Customer Support

For technical assistance, replacement parts, or warranty claims, please contact Aqualael customer support through their official website or the retailer where the product was purchased. Ensure you have your model number (AAU120620) and proof of purchase available when contacting support.

You can visit the Aqualael Store for more information and products: [Aqualael Store on Amazon](#).