

AquaMiracle SV500

AquaMiracle SV500 Fish Tank Filter Instruction Manual

Model: SV500 | Brand: AquaMiracle

PRODUCT OVERVIEW

The AquaMiracle SV500 Fish Tank Filter is designed for 10-30 gallon aquariums, providing efficient water filtration, aeration, and green water control. It features a 6W UV bulb with a programmable timer and flexible operation modes to maintain a healthy aquatic environment.

- **Efficient Performance:** 6W power, 130 GPH flow rate, suitable for 10-30 gallon tanks.
- **Flexible Operation Modes:** Choose between Aeration Mode for oxygen enrichment or Rainfall Mode for even water distribution.
- **Advanced Filtration Sponge:** Captures suspended particles, fish waste, and organic debris.
- **Programmable UV Bulb:** Integrated 6W UV light with 4/8/12/24 hour timer settings for green water control.
- **Visual Status Monitoring:** Transparent viewing portal to confirm UV lamp operation.

SETUP AND INSTALLATION

Proper installation ensures optimal performance of your AquaMiracle SV500 filter. Follow these steps carefully.

Assembly

The filter comes with various components for different configurations. Ensure all parts are securely connected before placing the unit in the aquarium.

Your browser does not support the video tag.

Video: How to Install the Aquarium Filter. This video demonstrates the step-by-step assembly and installation process of the AquaMiracle aquarium filter, including connecting the various components and placing it in the tank.

Filtration Working Process



Image: Filtration Working Process. This diagram illustrates how water flows through the filter, showing the mechanical filtration by the sponge and the purification by the UV light to remove green and cloudy water.

Positioning

The filter should always be fully submerged in water. It can be positioned vertically or horizontally using the suction cups provided, making it suitable for various tank types, including fish tanks and turtle tanks.

Correct Positioning

Reminder: Filter should be FULLY SUBMERGED in water.



Image: Correct Positioning. This image displays different ways to correctly position the filter within an aquarium, including vertical and horizontal orientations for both fish and turtle tanks, emphasizing full submersion.

OPERATING MODES

The AquaMiracle SV500 offers two primary operation modes to cater to your aquarium's specific needs.

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Video: The Operation Modes of the Aquarium Filter. This video illustrates the two functional configurations of the filter: Aeration Mode and Rainfall Mode, showing how to switch between them and their effects on water circulation.

Aeration Mode

This mode enhances oxygen saturation in the water through venturi technology. An adjustable air intake allows you to control the amount of bubbles for optimal oxygen distribution.



Image: Aeration Mode. This image shows the filter operating in aeration mode, producing a stream of bubbles to increase oxygen levels in the aquarium water.

Rainfall Mode

The rainfall mode uses a spray bar attachment to distribute purified water evenly across the surface, promoting gentle water movement and gas exchange.

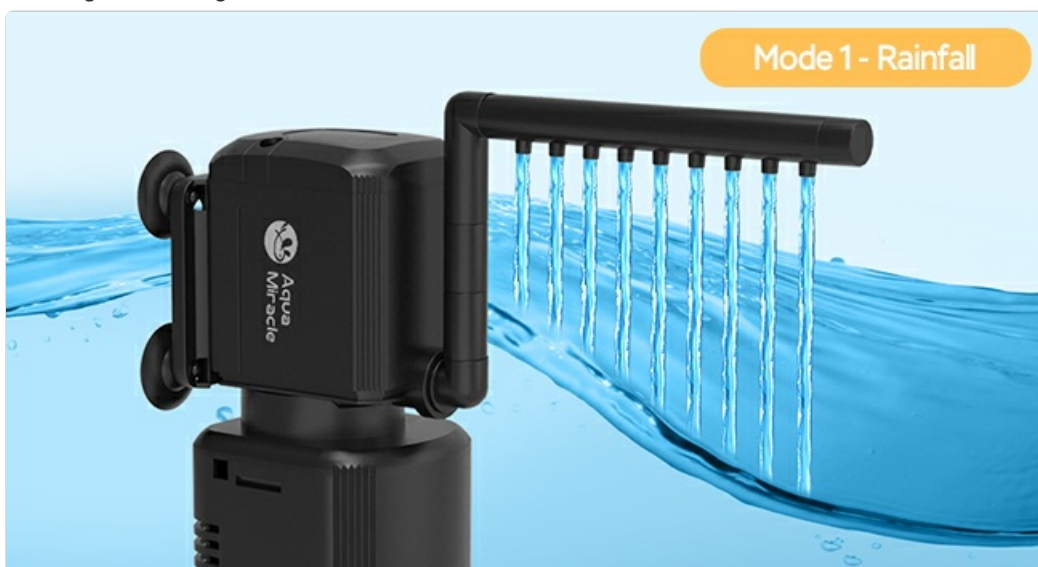


Image: Rainfall Mode. This image depicts the filter in rainfall mode, with water gently cascading from the spray bar into the aquarium, providing surface agitation.

UV Timer Settings

The integrated UV light helps control green water and cloudiness. Use the timer to set the UV illumination period to 4, 8, 12, or 24 hours. Note that the timer only controls the UV light, not the pump.

Timer for the Lamp

To remove algae you don't need to turn on the lamp all the time.

Depending on the water situation you can set the timing to run the lamp for 4 hours, 8 hours, 12 hours or 24 hours



The timer only controls the lamp

Light Indicator



Image: Timer for the Lamp. This image shows the external timer control unit for the UV lamp, with options for 4, 8, 12, or 24 hours of operation, and a light indicator.

MAINTENANCE

Regular maintenance is crucial for the longevity and efficiency of your AquaMiracle filter. This includes cleaning the filter sponge and checking the UV bulb.

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Video: How to Disassemble and Clean the Aquarium Filter. This video provides a visual guide on how to safely disassemble the filter unit, remove the filter sponge and UV bulb, and clean them for optimal performance.

Cleaning the Filter Sponge

1. Unplug the filter from the power source.

- 2. Carefully remove the filter unit from the aquarium.
- 3. Twist and separate the pump head from the filter body.
- 4. Slide out the filter sponge from the filter body.
- 5. Rinse the filter sponge thoroughly under running water (preferably old aquarium water to preserve beneficial bacteria) until clean.
- 6. Reinsert the clean filter sponge into the filter body.

UV Bulb Maintenance

- 1. After removing the filter sponge, carefully slide out the UV bulb assembly.
- 2. Clean the quartz sleeve of the UV bulb with a soft cloth to remove any residue that might hinder UV light penetration.
- 3. Inspect the UV bulb for any signs of damage or wear. Replace if necessary.
- 4. Reassemble the UV bulb and filter sponge into the filter body, ensuring all connections are secure.

TROUBLESHOOTING

If you encounter any issues with your AquaMiracle SV500 filter, refer to the following common troubleshooting tips:

Problem	Possible Cause	Solution
Filter not running / No water flow	Not plugged in; Impeller jammed; Air in pump; Low water level.	Check power connection; Clean impeller; Prime pump by submerging fully; Ensure water level is above filter intake.
Reduced water flow	Clogged filter sponge; Debris in pump intake.	Clean or replace filter sponge; Remove debris from pump intake.
Green or cloudy water persists	UV lamp not working; Incorrect UV timer setting; Excessive algae growth.	Check UV lamp indicator; Adjust UV timer to 24H if needed; Clean UV quartz sleeve; Perform partial water changes.
Excessive noise	Impeller obstruction; Air trapped in pump.	Clean impeller; Ensure filter is fully submerged and free of air.

SPECIFICATIONS

Feature	Detail
Model Name	SV500
Power Source	Corded Electric
Power Consumption	6W
Maximum Flow Rate	130 GPH (Gallons Per Hour)

Feature	Detail
Recommended Tank Size	10-30 Gallons
Product Dimensions (LxWxH)	2.4" x 2.1" x 9.25"
Item Weight	1.14 pounds (0.52 Kilograms)
Material	ABS, Copper, Rubber
Special Feature	Portable, UV Light with Timer



Image: Model Specifications. This image provides a visual comparison of different AquaMiracle filter models (SV500, SV800, SV1000, SV1200), detailing their wattage, GPH, dimensions, and recommended tank sizes.

WARRANTY AND SUPPORT

The AquaMiracle SV500 Fish Tank Filter comes with a **1 Year Warranty** from the manufacturer, Tenyon. For any product inquiries, technical support, or warranty claims, please contact AquaMiracle customer service through their official channels or the retailer where the product was purchased.

Always refer to the official AquaMiracle website or your purchase documentation for the most up-to-date support information.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

How do I remove the filter sponge from the housing of the AquaMiracle SV500 Fish Tank Filter?

To access and remove the filter sponge from the AquaMiracle SV500 housing for cleaning or replacement, follow these steps: Safety First: Unplug the filter from the power source and remove the entire unit from...

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