

SunSun HJ-511

SunSun HJ-511 Aquarium Internal Filter User Manual

Model: HJ-511 | Brand: SunSun

1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation, installation, and maintenance of your SunSun HJ-511 Aquarium Internal Filter. This internal filter is designed for use in freshwater and marine aquariums ranging from 20 to 50 liters, providing mechanical filtration and aeration. Please read this manual thoroughly before use to ensure proper function and longevity of the product.

2. SAFETY INSTRUCTIONS

Always observe basic safety precautions to reduce the risk of fire, electric shock, and injury to persons.

- Ensure the power supply voltage matches the rating label on the filter.
- Do not operate any appliance if it has a damaged cord or plug, or if it malfunctions or has been dropped or damaged in any manner.
- To avoid the possibility of the appliance plug or receptacle getting wet, position the aquarium stand and tank to one side of a wall-mounted receptacle to prevent water from dripping onto the receptacle or plug.
- Always unplug the filter from the outlet when not in use, before putting on or taking off parts, and before cleaning. Never pull the cord to disconnect from the outlet. Grasp the plug and pull to disconnect.
- Do not immerse the power cord or plug in water or other liquids.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Ensure the filter is fully submerged in water during operation. Running dry will damage the motor.

3. PACKAGE CONTENTS

Verify that all components are present and in good condition upon opening the package.

- SunSun HJ-511 Internal Filter Unit
- Filter Media Sections (typically two)
- Air Injector Kit (air tube, air regulator)
- Suction Cups for mounting
- User Manual (this document)

4. PRODUCT FEATURES

- Compact and quiet operation.
- Provides excellent mechanical water cleaning.
- Equipped with two filter sections for efficient filtration.
- Integrated air injector for water aeration, eliminating the need for a separate air pump.
- Flow rate can be regulated to suit aquarium needs.
- Suitable for both freshwater and marine aquarium environments.

5. SETUP AND INSTALLATION

Follow these steps to properly install your internal filter.

1. **Unpack the Filter:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Assemble Filter Sections:** Ensure the filter media is correctly placed within the two filter sections. Stack the sections securely onto the pump head.
3. **Attach Air Injector (Optional):** If aeration is desired, connect the air tube to the air intake nozzle on the pump head. Attach the air regulator to the other end of the air tube. Position the air regulator above the water surface.
4. **Mounting the Filter:** Attach the suction cups to the designated points on the filter housing. Submerge the filter completely in the aquarium water. Press the suction cups firmly against the inner glass wall of the aquarium to secure the filter. Ensure the filter is positioned vertically and is fully submerged.
5. **Connect to Power:** Once the filter is securely mounted and fully submerged, plug the power cord into a suitable electrical outlet.



Image 1: The SunSun HJ-511 Internal Filter shown fully assembled and submerged in an aquarium, ready for operation. The filter is attached to the aquarium glass using suction cups.

6. OPERATING INSTRUCTIONS

Once installed, the filter will begin operating immediately upon being plugged in.

- **Flow Regulation:** The filter features an adjustable flow rate. Locate the flow control switch or lever on the pump head and adjust it to achieve the desired water circulation for your aquarium size and inhabitants.
- **Air Injection:** If the air injector kit is installed, air will be drawn into the water flow, creating bubbles and increasing oxygen saturation in the aquarium. The amount of air can be regulated using the air regulator valve on the air tube.
- **Continuous Operation:** For optimal water quality, the filter should operate continuously.

7. MAINTENANCE

Regular maintenance is crucial for the efficient operation and longevity of your filter.

1. **Disconnect Power:** Always unplug the filter from the power outlet before performing any maintenance.
2. **Remove from Aquarium:** Carefully detach the filter from the aquarium glass.
3. **Disassemble Filter:** Separate the pump head from the filter sections. Open the filter sections to access the filter media.
4. **Clean Filter Media:** Rinse the filter sponges and other media thoroughly with old aquarium water (from a water change) to preserve beneficial bacteria. Do not use tap water directly, as chlorine can kill these bacteria. Replace filter media as needed, typically every 2-4 weeks depending on aquarium load.
5. **Clean Impeller:** Gently remove the impeller from the pump head. Clean the impeller and its chamber

with a small brush to remove any debris or mineral buildup.

- 6. Reassemble and Reinstall:** Reassemble the filter components in reverse order. Ensure all parts are securely fitted. Reinstall the filter in the aquarium and plug it back in.

Note: The frequency of cleaning depends on the bio-load of your aquarium. A heavily stocked tank will require more frequent cleaning.

8. TROUBLESHOOTING

If your filter is not operating correctly, refer to the following common issues and solutions.

Problem	Possible Cause	Solution
Filter not starting or weak flow	<ul style="list-style-type: none">◦ Not plugged in◦ Impeller jammed or dirty◦ Air in pump chamber◦ Filter media clogged	<ul style="list-style-type: none">◦ Check power connection◦ Clean impeller and chamber◦ Tilt filter to release air, ensure full submersion◦ Clean or replace filter media
Excessive noise	<ul style="list-style-type: none">◦ Impeller dirty or damaged◦ Filter not fully submerged◦ Air in pump chamber	<ul style="list-style-type: none">◦ Clean or replace impeller◦ Ensure filter is fully submerged◦ Tilt filter to release air
No air bubbles from injector	<ul style="list-style-type: none">◦ Air tube or regulator clogged◦ Air intake nozzle blocked◦ Air regulator closed	<ul style="list-style-type: none">◦ Clean air tube and regulator◦ Clear blockage from nozzle◦ Open air regulator valve

9. SPECIFICATIONS

Feature	Detail
Model Number	HJ-511
Brand	SunSun
Suitable Aquarium Size	20 to 50 liters
Filter Type	Internal Filter
Filtration Stages	Two filter sections (mechanical)
Aeration Feature	Integrated air injector
Flow Regulation	Adjustable
Item Weight	272 g
Package Dimensions	18.03 x 10.41 x 5.84 cm

10. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact

your retailer. For technical support or inquiries regarding replacement parts, please contact SunSun customer service through their official website or authorized distributors. Keep your purchase receipt as proof of purchase for warranty claims.

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