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> SunSun HW-704B 525 GPH 5-Stage External Canister Filter with 9W UV Sterilizer User Manual

SunSun HW-704B

SunSun HW-704B External Canister Filter with UV Sterilizer User Manual

Model: HW-704B

INTRODUCTION

Thank you for choosing the SunSun HW-704B External Canister Filter. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your new aquarium filter. Please read these instructions thoroughly before use and retain them for future reference.

PRODUCT OVERVIEW

The SunSun HW-704B is a multi-stage external canister filter designed for aquariums up to 150 gallons. It provides comprehensive biological, mechanical, and chemical filtration, ensuring crystal clear and healthy water for your aquatic environment. This model includes an integrated 9W UV sterilizer to control algae and harmful microorganisms.



Image: Front view of the SunSun HW-704B external canister filter, showing its compact design and inlet/outlet connections.

KEY FEATURES

- **Multi-Stage Filtration:** Utilizes a 5-stage filtration process for superior water clarity and quality.
- **High Flow Rate:** Delivers 525 Gallons Per Hour (2000 Liters Per Hour) for effective water circulation.
- **Integrated UV Sterilizer:** Features a 9W UV lamp to control algae spores and bacteria, promoting clear water.
- **Large Media Capacity:** Equipped with four spacious media baskets for customizable filtration media.
- **Suitable for Large Tanks:** Recommended for aquariums up to 150 gallons.
- **Easy Maintenance:** Drip-free shut-off tap and easily removable media baskets simplify cleaning.

PACKAGE CONTENTS

Please verify that all components are present and undamaged before proceeding with installation.

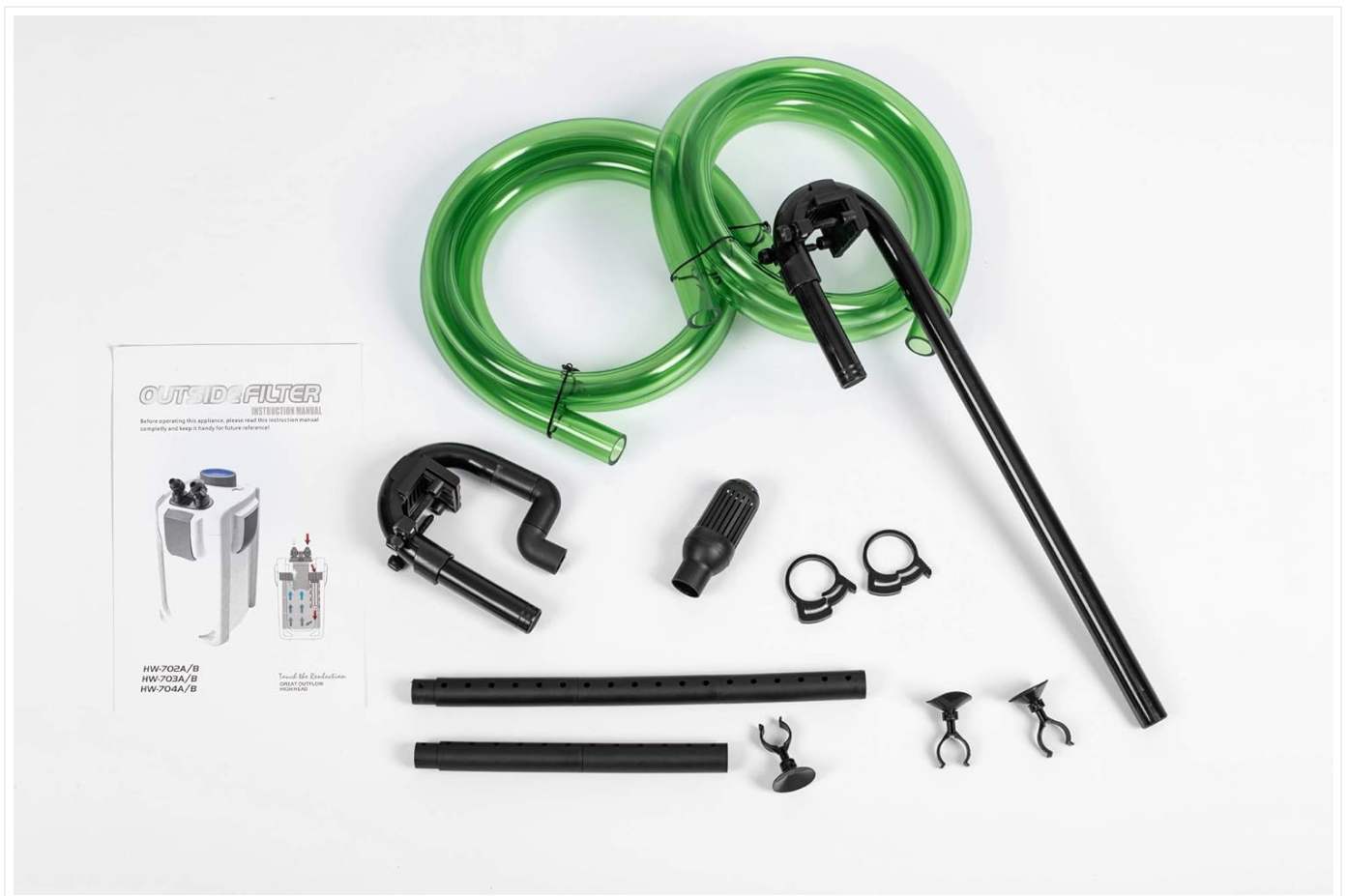


Image: All components of the SunSun HW-704B filter laid out, including the main unit, hoses, spray bar, intake tube, and various connectors.

- SunSun HW-704B Canister Filter Unit
- Inlet and Outlet Hoses
- Spray Bar
- Intake Tube with Strainer
- Output Nozzle
- Suction Cups and Clips for Hose Securing
- Filter Media Baskets (4x)
- Initial Filter Media (e.g., filter floss, coarse sponge)

- 9W UV Lamp and Quartz Sleeve
- Instruction Manual

SETUP INSTRUCTIONS

1. **Unpack and Inspect:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Prepare Filter Media:**
 - Open the filter unit by releasing the clamps and removing the motor head.
 - Remove the four media baskets. Rinse any included filter media (sponges, ceramic rings, bio-balls) thoroughly under clean water to remove manufacturing dust.
 - Arrange your desired filter media in the baskets. Typically, coarser mechanical media goes in the bottom basket, followed by finer mechanical, then biological, and finally chemical media in the top basket.
 - Ensure the orange sticker at the bottom of the canister aligns with the holes of the baskets for proper UV light positioning.



Image: Internal view of the filter unit showing the media baskets and the UV lamp assembly.

3. **Install UV Lamp:** Carefully insert the 9W UV lamp into its designated slot within the quartz sleeve. Ensure it is securely seated.
4. **Reassemble Filter Head:** Place the media baskets back into the canister, ensuring they are correctly stacked and aligned. Securely attach the motor head, ensuring the O-ring is properly seated and lubricated to prevent leaks. Fasten all clamps.
5. **Connect Hoses:**
 - Attach the green hoses to the inlet and outlet connections on the filter head. For easier attachment, dip the hose ends in hot water for a few seconds to soften them.

- Connect the intake tube assembly (with strainer) to the inlet hose and the spray bar/output nozzle to the outlet hose.



Image: Close-up of the filter head showing the inlet and outlet valves and hose connections.

6. **Position in Aquarium:** Place the intake tube and spray bar inside your aquarium, securing them with the provided suction cups. Position the filter unit below the aquarium water level (e.g., inside a cabinet) to facilitate priming.
7. **Prime the Filter:**
 - Ensure all hose connections are tight.
 - Open the inlet and outlet valves on the filter head.
 - Press the priming button on top of the filter head repeatedly until water begins to flow into the canister and out through the outlet hose into the aquarium. This indicates the filter is primed.
 - Alternatively, fill the canister with water before reattaching the motor head, then fill the tubes with water before connecting.

OPERATING INSTRUCTIONS

1. **Power On:** Once the filter is fully primed and water is flowing, plug the power cord into a grounded electrical outlet. The filter pump will start operating.
2. **UV Sterilizer Operation:** The UV sterilizer has a separate power switch or plug. Turn it on when clear water is desired or to combat algae and bacteria. A small indicator light on the top of the canister typically confirms UV operation. It is generally recommended not to run the UV light continuously to prolong its lifespan and prevent potential plastic degradation from heat.
3. **Flow Adjustment:** Some models may have flow control valves on the inlet/outlet connections. Adjust as needed for your aquarium's requirements.
4. **Regular Checks:** Periodically check for proper water flow, unusual noises, or leaks.

MAINTENANCE

Regular maintenance is crucial for the optimal performance and longevity of your filter.

1. **Disconnect Power:** Always unplug the filter and UV sterilizer from the power outlet before performing any maintenance.
2. **Shut-off Valves:** Close the inlet and outlet valves on the filter head to prevent water backflow and spills.
3. **Remove Filter Unit:** Use the drip-free shut-off tap to disconnect the filter unit from the hoses and transport it to a suitable cleaning area.
4. **Clean Filter Media:**
 - Open the filter unit and remove the media baskets.
 - Rinse mechanical filter media (sponges, floss) thoroughly with old aquarium water (from a water change) to preserve beneficial bacteria. Replace heavily clogged or degraded mechanical media.
 - Rinse biological media (ceramic rings, bio-balls) gently with old aquarium water. Avoid harsh cleaning that could remove beneficial bacteria.
 - Replace chemical media (activated carbon) as per manufacturer recommendations, typically every 2-4 weeks, as it becomes saturated.
5. **Clean Impeller and Motor Head:** Remove the impeller cover and clean the impeller and its housing. Remove any debris or mineral buildup.
6. **Clean UV Quartz Sleeve and Lamp:** Carefully remove the UV lamp and quartz sleeve. Clean the quartz sleeve with a soft cloth to remove any algae or mineral deposits. Replace the UV lamp annually or as its effectiveness diminishes.
7. **Inspect O-rings:** Check the main O-ring on the motor head and any other seals for cracks or wear. Lubricate O-rings with silicone grease to maintain a good seal and prevent leaks. Replace if damaged.
8. **Reassemble and Restart:** Reassemble the filter in reverse order. Ensure all connections are secure and the O-ring is properly seated. Prime the filter as described in the Setup section before plugging it back in.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Filter not starting / No flow	<ul style="list-style-type: none">◦ Not plugged in◦ Air in the system (not primed)◦ Impeller jammed or dirty◦ Clogged intake/hoses	<ul style="list-style-type: none">◦ Check power connection◦ Re-prime the filter (see Setup)◦ Clean impeller and housing◦ Clean intake strainer and hoses
Reduced flow rate	<ul style="list-style-type: none">◦ Clogged filter media◦ Dirty impeller◦ Kinked hoses◦ Air in the system	<ul style="list-style-type: none">◦ Clean or replace filter media◦ Clean impeller◦ Straighten hoses◦ Re-prime the filter

Problem	Possible Cause	Solution
Water leaking	<ul style="list-style-type: none"> ◦ Improperly seated O-ring ◦ Damaged O-ring or seals ◦ Loose hose connections ◦ Cracked housing 	<ul style="list-style-type: none"> ◦ Re-seat and lubricate O-ring ◦ Replace O-ring/seals ◦ Tighten hose connections ◦ Contact support if housing is cracked
Loud noise/vibration	<ul style="list-style-type: none"> ◦ Impeller obstructed or worn ◦ Air trapped in filter ◦ Filter not level 	<ul style="list-style-type: none"> ◦ Clean or replace impeller ◦ Re-prime the filter ◦ Ensure filter is on a stable, level surface
UV light not working	<ul style="list-style-type: none"> ◦ UV lamp burned out ◦ Not plugged in / switch off ◦ Faulty ballast 	<ul style="list-style-type: none"> ◦ Replace UV lamp ◦ Check power connection and switch ◦ Contact support

SPECIFICATIONS

Feature	Detail
Model	HW-704B
Brand	SunSun
Flow Rate	525 GPH (2000 LPH)
Filtration Stages	5
UV Sterilizer Power	9W
Recommended Tank Size	Up to 150 gallons
Dimensions (L x W x H)	12" x 12" x 18"
Item Weight	18.2 pounds
Manufacturer	Ming Trading LLC
Color	White
Included Components	Filter, Filter accessories

WARRANTY INFORMATION

The SunSun HW-704B External Canister Filter comes with a **180-day warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. It does not cover damage resulting from misuse, neglect, improper installation, or unauthorized modifications. Please retain your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact your retailer or the manufacturer directly. Refer to the product packaging or manufacturer's website for current contact information.