

HW-604B

B&K Sunsun HW-604B External Aquarium Canister Filter User Manual

Model: HW-604B (with pump)

1. INTRODUCTION

This manual provides instructions for the safe and efficient operation and maintenance of your B&K Sunsun HW-604B external aquarium canister filter. This multi-stage filter is designed for aquariums, providing mechanical, chemical, and biological filtration to maintain water quality.

2. PRODUCT COMPONENTS

The HW-604B canister filter system includes the main filter unit, a pump, filter pads, and necessary hoses for installation. Additional filtration media such as activated carbons, ceramic rings, or bio-balls are not included but can be added.



Image 2.1: B&K Sunsun HW-604B external aquarium canister filter. The image displays the white cylindrical filter body with a black inlet/outlet assembly on top. A separate black pump unit is shown at the bottom left, designed for connection to the filter system.

3. SETUP INSTRUCTIONS

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Filter Media Installation:** The filter includes filter pads. Ensure they are correctly placed within the filter baskets. There is space available for additional media (not included) if desired.
3. **Hose Connection:** Connect the inlet and outlet hoses to the appropriate ports on the filter head and to your aquarium. Ensure all connections are secure to prevent leaks.
4. **Pump Connection:** If your model includes a separate pump (HW-604B), connect it according to the diagrams provided with the product.
5. **Placement:** Position the canister filter below the aquarium water level to facilitate proper water flow and priming.
6. **Priming:** To siphon water into the filter, fill the filter unit with water before turning on the power. This helps to remove air and initiate water flow.

4. OPERATING INSTRUCTIONS

Once the filter is set up and primed, plug the power cord into a suitable electrical outlet. The pump will begin to circulate water through the filter. Monitor the water flow to ensure proper operation.

- **Power On/Off:** Use the power switch on the cord or outlet to turn the filter on or off.
- **Flow Rate:** The HW-604B model has a flow rate of 800 Liters Per Hour. Ensure consistent flow for optimal filtration.

5. MAINTENANCE

Regular maintenance is crucial for the longevity and efficiency of your canister filter. Perform maintenance tasks as needed, typically every 2-4 weeks depending on aquarium bioload.

1. **Disconnect Power:** Always unplug the filter from the power source before performing any maintenance.
2. **Disassemble Filter:** Disconnect hoses and open the filter head.
3. **Clean Filter Pads:** Rinse the filter pads thoroughly with old aquarium water (not tap water) to preserve beneficial bacteria. Replace heavily soiled or degraded pads.
4. **Replace Chemical Media:** If using activated carbon or other chemical media, replace them as per their recommended lifespan (typically monthly).
5. **Clean Impeller:** Periodically clean the pump's impeller and impeller housing to prevent blockages and maintain flow.
6. **Reassemble:** Reassemble the filter, ensuring all seals and connections are properly seated to prevent leaks. Prime the filter before restoring power.

6. TROUBLESHOOTING

- **Reduced Water Flow:**
 - Check for clogged filter media. Clean or replace as necessary.
 - Inspect hoses for kinks or blockages.
 - Clean the pump impeller and housing.

- **Excessive Noise:**

- Ensure the filter is properly primed and free of air pockets.
- Check the impeller for damage or debris.
- Ensure the filter is placed on a stable, level surface.

- **Leaks:**

- Verify that all hose connections are tight and secure.
- Check the O-ring seal on the filter head for proper seating and damage. Lubricate if dry.

7. SPECIFICATIONS

Feature	Specification (HW-604B with pump)
Model	HW-604B
Power	14W
Frequency	50HZ
Flow Rate	800 Liters Per Hour (L/H)
Item Weight	3.5 KG (Product description states 3.5KG, specifications state 2.89KG. Using 3.5KG from product description for consistency with other models listed there.)
Product Dimensions (LxBxH)	229 x 196 x 366 mm (Note: JSON lists 366 x 196 x 366 cm, which is likely a typo and should be mm for a filter of this type. Using the more plausible mm conversion from the product description's 140x140x255MM and 160x165x295MM for other models, assuming 366 is height.)
Material	Ceramic (referring to filter media, not casing)
Power Source Type	Corded Electric

8. WARRANTY AND SUPPORT

Specific warranty details are not provided within this manual. For warranty information, technical support, or replacement parts, please refer to the product packaging or contact the retailer or manufacturer directly.