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SunSun HBL-802

SunSun HBL-802 Hang On Filter Instruction Manual

Model: HBL-802 (51647)

1. Product Overview

The SunSun HBL-802 Hang On Filter is designed for efficient water filtration in aquariums up to 100 liters. It features a multi-stage filtration system and an adjustable flow rate to suit various aquarium needs. This filter is suitable for both freshwater and saltwater environments.



Image 1.1: SunSun HBL-802 Hang On Filter in operation on an aquarium.

Key Features:

- **Efficient Filtration:** Filters up to 500 liters of aquarium water per hour with 6 watts of power, utilizing a multi-stage filter system.
- **Quiet Operation:** Engineered for low noise, ensuring minimal disturbance.
- **Adjustable Water Flow:** Continuously adjustable flow rate for flexible adaptation to aquarium size, ideal for tanks up to 100 liters.
- **Versatile Application:** Suitable for both freshwater and saltwater aquariums up to 100 liters.
- **Includes Filter Media:** Comes with necessary filter media for immediate use and allows for individual media customization.

2. Safety Information

Please read all safety instructions carefully before operating this device. Failure to follow these instructions may result in

electric shock, fire, or serious injury.

- Always disconnect the power supply before performing any maintenance or cleaning.
- Ensure the filter is securely mounted to the aquarium.
- Do not operate the filter if the power cord or plug is damaged.
- Keep the filter and all electrical connections away from water splashes.
- This appliance is for indoor use only.
- Children should be supervised to ensure they do not play with the appliance.

For detailed safety information, please refer to the officialSafety Information PDF.

3. Setup and Installation

3.1 Component Identification

Familiarize yourself with the filter components before installation.

Nr.	Bezeichnung
1	Einlassrohr
2	Einlass
3	Durchflussregler
4	Skimmer mit Saugkorb
5	Saugkorb
6	Abstandhalter
7	Verbindungrohr
8	Halterung
9	Auslassdüse
10	Sprührohr
11	Auslass
12	Auslassrohr
13	Abdeckung
14	Pumpe
15	Filterabdeckung
16	Schwamm
17	Filterbox
18	Behälter

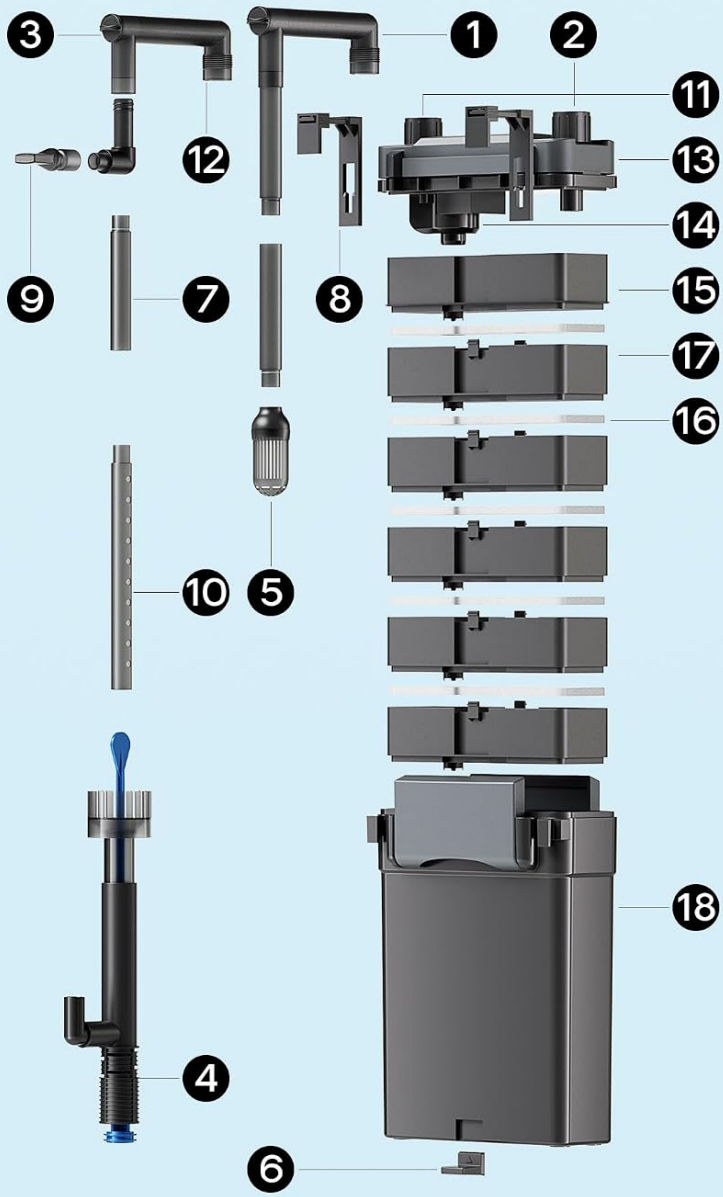


Image 3.1: Exploded view of the HBL-802 filter components.

Table 3.1: Component List

No.	Description
1	Inlet Pipe
2	Inlet
3	Flow Regulator
4	Skimmer with Suction Basket
5	Suction Basket
6	Spacer
7	Connecting Pipe

No.	Description
8	Holder
9	Outlet Nozzle
10	Spray Bar
11	Outlet
12	Outlet Pipe
13	Cover
14	Pump
15	Filter Cover
16	Sponge
17	Filter Box
18	Container

3.2 Installation Steps

1. **Prepare the Filter:** Open the filter unit and ensure all filter media (sponges, carbon, etc.) are correctly placed in the filter boxes. The filter boxes are designed for 4 stages of filtration.
2. **Assemble Inlet and Outlet:** Attach the inlet pipe (1) with the chosen suction option (suction basket (5) or skimmer (4)) and the outlet pipe (12) with either the outlet nozzle (9) or spray bar (10).
3. **Mount on Aquarium:** Hang the filter securely on the rim of your aquarium. Ensure the filter is level. The filter is designed for aquarium glass thickness up to 28 mm.



Image 3.2: Maximum aquarium glass thickness for secure mounting.

4. **Fill with Water:** Before connecting power, the filter must be filled with aquarium water. This primes the pump and prevents dry running.



Image 3.3: Ensure pump alignment and fill filter with water before use.

5. **Connect Power:** Once the filter is filled with water and securely mounted, connect the power plug to a suitable electrical outlet.

4. Operating Instructions

4.1 Starting the Filter

After installation and filling with water, the filter should start automatically when plugged in. If it does not start, ensure it is properly filled and the impeller is not obstructed.

4.2 Adjusting Water Flow

The water flow rate can be adjusted using the flow regulator (3) located on the inlet pipe. Turn the regulator to increase or decrease the flow to match your aquarium's requirements.



Image 4.1: Adjusting the water flow rate.

4.3 Inlet and Outlet Options

The filter offers interchangeable inlet and outlet options for optimal water circulation and surface skimming.



Image 4.2: Interchangeable inlet and outlet components.

- **Inlets:** Choose between the standard suction basket for general water intake or the skimmer for surface film removal.
- **Outlets:** Select the outlet nozzle for a direct water return or the spray bar for diffused water return and increased oxygenation.

5. Maintenance

Regular maintenance is crucial for the optimal performance and longevity of your filter. Always unplug the filter before performing any maintenance.

5.1 Filter Media Cleaning and Replacement

The HBL-802 uses a 4-stage filtration system. The filter media should be cleaned or replaced periodically, typically every 2-4 weeks, depending on aquarium bioload.



Image 5.1: The 4-stage filtration system.

1. Disconnect the filter from the power supply.
2. Carefully remove the filter from the aquarium.
3. Open the filter cover and remove the filter boxes.
4. Rinse mechanical filter media (sponges) with old aquarium water to preserve beneficial bacteria. Do not use tap water directly, as chlorine can harm bacteria.
5. Replace chemical filter media (e.g., activated carbon) as recommended by the manufacturer, typically monthly.
6. Reassemble the filter, ensuring all components are correctly seated.
7. Reinstall the filter and follow the 'Fill with Water' step from Section 3.2 before reconnecting power.

5.2 Impeller Cleaning

Periodically check and clean the impeller to ensure smooth and quiet operation. Debris can accumulate and cause noise or reduced flow.

1. Disconnect power and remove the filter.
2. Locate and carefully remove the pump and impeller assembly.
3. Clean the impeller and its housing with a small brush to remove any algae or debris.
4. Reassemble the impeller and pump, ensuring it is correctly aligned.

6. Troubleshooting

This section addresses common issues you might encounter with your SunSun HBL-802 filter.

Table 6.1: Troubleshooting Guide

Problem	Possible Cause	Solution
Filter not starting	Not plugged in; insufficient water in filter; obstructed impeller.	Check power connection; ensure filter is filled with water; clean impeller.
Reduced water flow	Clogged filter media; dirty impeller; flow regulator set too low.	Clean or replace filter media; clean impeller; adjust flow regulator.
Excessive noise/vibration	Air trapped in filter; dirty or damaged impeller; filter not securely mounted.	Gently tilt filter to release air; clean/inspect impeller; ensure secure mounting.
Water leaking	Improper assembly; damaged seals.	Check all connections and seals; ensure filter cover is properly closed.

7. Specifications

Technical specifications for the SunSun HBL-802 Hang On Filter.



Image 7.1: Product dimensions.

Table 7.1: Product Specifications

Feature	Value
Model Number	51647
Recommended Aquarium Size	Up to 100 Liters
Flow Rate	500 l/h
Power Consumption	6 Watts
Product Dimensions	16 x 17 x 28 cm
Item Weight	1.14 Kilograms
Color	Black

Feature	Value
Special Features	Compact
Specific Uses	Indoor

8. Warranty and Support

This product comes with a standard return policy, typically allowing returns or replacements within 30 days of purchase. For specific warranty details and support, please refer to your purchase documentation or contact the seller directly.

Additional resources:

- Official Operating Manual (PDF)
- Certificate of Conformity (PDF)

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