

SUN SUNSUN_CBR

SUN SunSun CBR Canister Filter Media Set Instruction Manual

Model: SUNSUN_CBR

1. PRODUCT OVERVIEW

The SUN SunSun CBR Canister Filter Media Set is designed to enhance the filtration capabilities of compatible canister filters, including all SUNSUN and Aqua Top models. This set provides essential components for mechanical, chemical, and biological filtration, contributing to clear, healthy aquarium water.

Key Benefits:

- Removes and improves water clarity, color, and odor.
- Porous ceramic rings provide an ideal surface for beneficial bacteria colonization.
- Bio-balls promote gas exchange and increase dissolved oxygen levels.
- Activated carbons effectively absorb impurities and toxins.

2. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- 1 lbs. Activated Carbons in mesh media bag
- 40 pieces of 20mm Bio Balls
- 1 lb Ceramic Rings in mesh media bag



Figure 2.1: Contents of the SunSun CBR Canister Filter Media Set, including activated carbon, ceramic bio-rings, and bio balls.

3. SETUP INSTRUCTIONS

Proper installation of filter media is crucial for effective filtration. Refer to your specific canister filter's manual for detailed instructions on opening and reassembling the filter unit.

1. **Rinse Media:** Before placing any media into your filter, thoroughly rinse the activated carbons, bio balls, and ceramic rings under cool, running tap water. This removes any dust or debris that could cloud your aquarium water. Continue rinsing until the water runs clear.
2. **Media Placement:** Arrange the media in your canister filter trays according to the recommended flow path for your specific filter model. Generally, media is placed in the following order from water intake to outflow:
 - **Mechanical Filtration (First):** Coarse sponges or filter floss (not included in this set) to remove large particles.
 - **Biological Filtration (Middle):** Ceramic rings and bio balls. These provide surface area for beneficial bacteria.
 - **Chemical Filtration (Last):** Activated carbons. These absorb dissolved impurities and odors.

Note: The mesh bags provided for activated carbon and ceramic rings can be placed directly into the filter trays.

3. **Secure Trays:** Ensure all media trays are properly seated and secured within the canister filter body.
4. **Reassemble Filter:** Close and seal your canister filter according to its manufacturer's instructions.
5. **Restart Filter:** Reconnect the filter to your aquarium and power it on. Monitor for leaks and proper water flow.

4. OPERATING PRINCIPLES

This media set works synergistically to maintain water quality:

- **Activated Carbons:** These porous carbon granules chemically absorb dissolved organic compounds, odors, discolorations, and certain medications from the water. They contribute to crystal clear water.
- **Ceramic Rings:** Highly porous, these rings offer a vast surface area for nitrifying bacteria to colonize. These bacteria are essential for the biological filtration process, converting harmful ammonia and nitrites into less toxic nitrates.
- **Bio Balls:** Designed with a large surface area and open structure, bio balls facilitate gas exchange and provide additional space for beneficial bacteria. Their structure also helps to oxygenate the water as it passes through.

5. MAINTENANCE

Regular maintenance of your filter media is essential for optimal performance and aquarium health.

- **Activated Carbons:** Activated carbon becomes saturated over time and loses its effectiveness. It should be replaced every 2-4 weeks, or as needed, depending on aquarium bioload and water conditions. Do not rinse and reuse.
- **Ceramic Rings and Bio Balls:** These biological media should be rinsed periodically (e.g., every 1-3 months) to remove accumulated sludge. **Important:** Rinse these media in old aquarium water (siphoned during a water change) to preserve the beneficial bacterial colonies. Do not rinse with tap water, as chlorine can kill these bacteria. Avoid excessive cleaning.
- **General Filter Cleaning:** When performing media maintenance, also clean other parts of your canister filter, such as impellers, hoses, and mechanical sponges, according to your filter's manual.

6. TROUBLESHOOTING

If you encounter issues with your aquarium filtration, consider the following:

- **Cloudy Water:**
 - Ensure all media was thoroughly rinsed before installation.
 - Check if mechanical filtration (e.g., filter floss) is clogged and needs cleaning or replacement.
 - Verify proper flow through the filter.
- **Unpleasant Odor:**
 - Activated carbon may be saturated and needs replacement.
 - Check for decaying organic matter in the aquarium or filter.
- **High Ammonia/Nitrite Levels:**
 - Biological media (ceramic rings, bio balls) may not be fully colonized or may have been cleaned improperly (e.g., with tap water).
 - Ensure adequate water flow through biological media.
 - Avoid overfeeding and overstocking the aquarium.

7. SPECIFICATIONS

Brand	SUN
Model Name	SSCBRx1
Item Model Number	SUNSUN_CBR
Material	Ceramic (for rings)
Item Weight	2.42 pounds
Product Dimensions	8 x 6 x 8 inches (approximate package dimensions)
UPC	694757072078
Manufacturer	SunSun

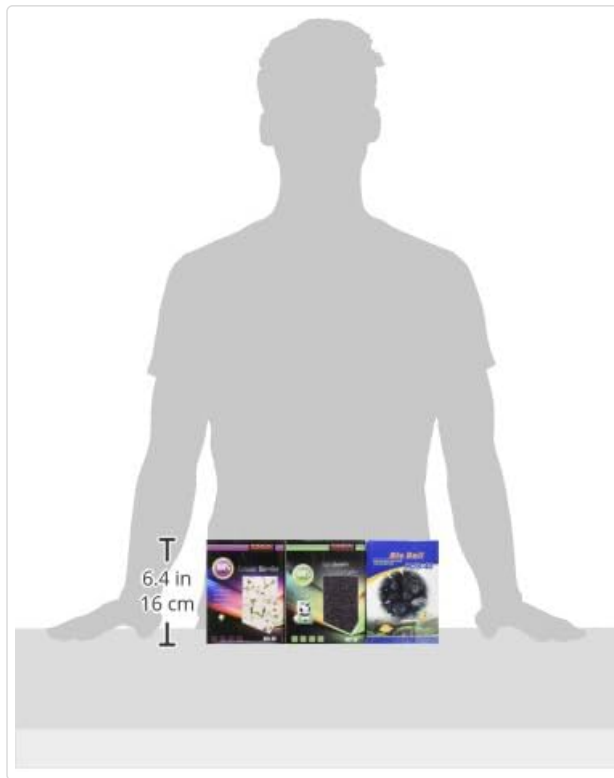


Figure 7.1: Approximate dimensions of the product packaging.

8. WARRANTY INFORMATION

This product comes with a **30-day warranty** from the date of purchase. This warranty covers manufacturing defects. Please retain your proof of purchase for any warranty claims. The warranty does not cover damage resulting from improper use, accidental damage, or normal wear and tear.

9. SUPPORT

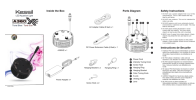



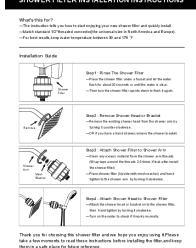
For further assistance, technical support, or inquiries regarding this product, please contact your retailer or refer to the manufacturer's official website. When contacting support, please have your product model number (SUNSUN_CBR) and proof of purchase readily available.

You may also find helpful resources and frequently asked questions on the [SunSun official website](#).

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Related Documents - SUNSUN_CBR

	<p>Hygger HG129 Sun LED Light User Manual - Aquarium Lighting Guide</p> <p>Comprehensive user manual for the Hygger HG129 Sun LED Light, detailing product features, specifications, controller operation, programming, safety warnings, and disposal for aquarium enthusiasts.</p>
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	<p>Kessil A360XE LED Aquarium Light User Manual</p> <p>Comprehensive user manual for the Kessil A360XE LED Aquarium Light, covering setup, control, maintenance, and troubleshooting for Tuna Blue and Tuna Sun models.</p>
	<p>TES STUDIO Voice-Controlled Electric Sunshade for Tesla Model 3 - Installation and Features</p> <p>Comprehensive guide to the TES STUDIO voice-controlled electric sunshade for Tesla Model 3, covering parts list, installation instructions, product features, voice commands, FAQs, and warranty information.</p>
	<p>Formula Boats 2019 Specifications & Performance Guide Model Details & Specs</p> <p>Explore the comprehensive 2019 Specifications and Performance Guide from Formula, detailing models like Bowriders, Sun Sports, Super Sports, Cruisers, and Yachts. Find engine options, performance data, and key features for each boat.</p>
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	<p>SR SUN RISE Shower Filter Installation and Replacement Guide</p> <p>Comprehensive guide for installing and replacing the SR SUN RISE 20-Stage Shower Filter, detailing steps for optimal performance and maintenance, including contact information.</p>