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Jebao CF-45

Jebao Canister External Aquarium Filter

Model: CF-45, 396GPH

Brand: Jebao

PRODUCT OVERVIEW

The Jebao CF-45 Canister Filter is designed for efficient filtration in both freshwater and saltwater aquariums. This external filter system is preloaded with biological, chemical, and mechanical media to effectively remove waste and harmful toxins, ensuring a clean and healthy aquatic environment.



Image: The Jebao CF-45 Canister Filter shown alongside its product packaging, highlighting its compact design.

Key Features:

- **Fast Setup:** Features a water-tight canister lid that lifts up for easy removal and access.

- **Easy Maintenance:** Equipped with a valve block for quick release, allowing water flow shutdown and separation from the housing for spill-free maintenance.
- **4-Stage Filtration:** Water passes through multiple media layers for comprehensive filtration, ensuring a clean aquatic environment.
- **Included Media Baskets:** Comes with four media baskets, including sponge, aquarium carbon (x1), bio-balls (x2), and bio-rings (x1).
- **Dimensions:** 10" x 10" x 15.5" (height).
- **Max Flow:** 396 GPH (Gallons Per Hour).
- **Power:** 110V 60Hz.
- **Max Head Height:** 7.5 feet.

SETUP INSTRUCTIONS

Follow these steps to properly set up your Jebao CF-45 Canister Filter for optimal performance.

1. Unpacking and Component Identification

Carefully remove all components from the packaging. Verify that all parts are present according to the packing list.



Image: All parts of the filter system, including the main unit, hoses, media baskets, and various fittings, are displayed. The package includes the canister unit, four media baskets, inlet/outlet hose connections, hoses, and various fittings.

2. Media Installation

1. Open the canister lid by releasing the clamps.
2. Carefully remove the four media baskets.
3. Place the included filtration media into the baskets. Typically, mechanical filtration (sponge) goes into the bottom basket, followed by biological (bio-rings, bio-balls) and chemical (carbon) media in the upper baskets. Refer to the diagram in the physical manual for precise layering.
4. Reinsert the filled media baskets into the canister, ensuring they are stacked correctly.
5. Securely close the canister lid, ensuring the O-ring seal is properly seated to prevent leaks.



Image: A close-up of the filter's top, illustrating the inlet and outlet hose connections and the valve block mechanism.

3. Hose Connection

1. Attach the inlet and outlet hoses to the corresponding connections on the filter head. Ensure a tight fit to prevent leaks.
2. Position the inlet strainer inside your aquarium, ensuring it is submerged and away from the substrate to prevent clogging.
3. Position the outlet spray bar or return nozzle inside your aquarium to provide adequate water circulation.
4. Route the hoses securely, avoiding kinks or sharp bends that could restrict water flow.



Image: The Jebao CF-45 Canister Filter with its power cord connected, ready for electrical hookup.

OPERATING INSTRUCTIONS

Once the filter is set up, follow these steps to begin operation.

1. **Priming the Filter:** Before plugging in the filter, ensure the canister is filled with water. This can often be done by opening the inlet valve and allowing water to siphon from the aquarium into the filter until it is full. Some models may have a priming button or lever; consult your physical manual for specific priming instructions.
2. **Connecting Power:** Once the filter is primed and all connections are secure, plug the power cord into a grounded electrical outlet.
3. **Checking for Leaks:** Immediately after starting, carefully inspect all hose connections and the canister lid for any signs of leaks. Address any leaks before leaving the filter unattended.
4. **Monitoring Flow:** Observe the water flow from the outlet. It should be consistent and strong. The 4-stage filtration process will begin to clean your aquarium water.

The filter is designed to operate continuously. Ensure it is placed on a stable, level surface below the aquarium water level to facilitate proper siphoning and flow.

MAINTENANCE

Regular maintenance is crucial for the longevity and efficiency of your Jebao CF-45 Canister Filter.

Routine Cleaning:

1. **Disconnect Power:** Always unplug the filter from the electrical outlet before performing any maintenance.
2. **Shut Off Water Flow:** Utilize the valve block for quick release to shut down water flow. This allows the filter head to separate from the housing for spill-free maintenance.
3. **Remove Filter Head:** Detach the filter head from the canister body.
4. **Access Media Baskets:** Remove the media baskets from the canister.
5. **Clean Mechanical Media:** Rinse the sponge and other mechanical media thoroughly with old aquarium water (from a water change) to preserve beneficial bacteria. Do not use tap water directly, as chlorine can kill beneficial bacteria.
6. **Inspect Biological/Chemical Media:** Biological media (bio-rings, bio-balls) generally requires less frequent cleaning. Rinse gently if necessary. Chemical media (carbon) should be replaced according to manufacturer recommendations, typically every 2-4 weeks.
7. **Clean Canister and Hoses:** Clean the inside of the canister and inspect hoses for any blockages or buildup.
8. **Reassemble:** Reassemble the filter in reverse order, ensuring all seals and connections are secure. Prime the filter as per operating instructions before restoring power.

Important Notes:

- The frequency of cleaning depends on your aquarium's bioload and size. A general guideline is every 1-3 months.
- Always have replacement O-rings and media on hand for routine maintenance.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your Jebao CF-45 Canister Filter.

Problem	Possible Cause	Solution
No water flow or reduced flow	<ul style="list-style-type: none">• Air trapped in filter• Clogged intake strainer or hoses• Dirty filter media• Impeller blocked or damaged• Filter not primed	<ul style="list-style-type: none">• Re-prime the filter.• Clean intake strainer and hoses.• Clean or replace filter media.• Inspect and clean impeller.• Ensure filter is properly primed before starting.
Filter is noisy	<ul style="list-style-type: none">• Air in the system• Impeller not seated correctly or damaged• Filter not level	<ul style="list-style-type: none">• Re-prime the filter to remove air.• Check and re-seat or replace impeller.• Ensure filter is on a stable, level surface.

Problem	Possible Cause	Solution
Water leaks from filter	<ul style="list-style-type: none"> Lid not sealed properly Damaged O-ring Loose hose connections 	<ul style="list-style-type: none"> Ensure lid clamps are fully secured. Inspect and replace O-ring if damaged or dry. Lubricate O-ring with silicone grease. Tighten all hose connections.

If the problem persists after attempting these solutions, please contact customer support.

SPECIFICATIONS

Feature	Detail
Model Name	CF-45
Max Flow Rate	396 GPH
Max Head Height	7.5 ft
Power Supply	110V, 60Hz
Product Dimensions (L x W x H)	10 x 10 x 15.5 inches
Item Weight	15.25 pounds
Included Media Baskets	4 (sponge, aquarium carbon x1, bio-ball x2, bio-ring x1)
Filtration Stages	4-stage (mechanical, biological, chemical)
Suitable for	Freshwater and Saltwater Aquariums

WARRANTY AND SUPPORT

For specific warranty information regarding your Jebao CF-45 Canister Filter, please refer to the warranty card included with your product or contact the retailer from whom you purchased the item. Warranty terms and conditions may vary by region and retailer.

If you require technical assistance, have questions about product operation, or need to report a defect, please contact Jebao customer support or your authorized dealer. Keep your purchase receipt and product model number (CF-45) readily available when contacting support.

For the most up-to-date contact information, please visit the official Jebao website or consult your product packaging.

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