

FEDOUR 400GPH

FEDOUR 400GPH Aquarium Canister Filter

Instruction Manual - Model: 400GPH

Brand: FEDOUR

1. SAFETY INFORMATION

Please read and understand all safety instructions before operating this product. Failure to follow these instructions may result in product damage, injury, or electric shock.

- Always disconnect power before performing any maintenance or cleaning.
- Ensure all connections are secure and leak-free before starting the filter.
- Do not operate the filter if the power cord or plug is damaged.
- This product is designed for indoor use with aquariums only.
- Keep out of reach of children.

2. PRODUCT OVERVIEW

The FEDOUR 400GPH Aquarium Canister Filter is designed to provide powerful and efficient filtration for your aquarium, ensuring clear and healthy water for your aquatic pets. It features a multi-stage filtration system and a quiet operation.

Key Features:

- Powerful 400GPH (1500L/H) water flow with 15W power consumption.
- Suitable for aquariums up to 180 gallons, compatible with both fresh and salt water.
- Adjustable water flow via inlet and outlet valves for precise control.
- Telescopic water intake tube for adaptable fit to various tank depths.
- 360° rotatable shower pipe outlet to enhance dissolved oxygen.
- Super quiet operation with noise level below 35dB due to unique pump placement and thickened filter cotton.
- Five layers of filter cotton (black biochemical, yellow density, blue physical, white physical) plus 2.2lb (1kg) ceramic balls for comprehensive mechanical and biological filtration.
- Built-in 15W submersible pump for strong suction and fast water absorption.

Components Included:

All Accessories



Image: All accessories included with the FEDOUR 400GPH Aquarium Canister Filter, showing the filter bucket, top cover, submersible pump, filter media, soft hose, inlet/outlet pipes, elbows, suction cups, and ceramic balls.

- Filter Bucket and Top Cover
- Submersible Pump
- Filter Media (5 layers of cotton, ceramic balls)
- Soft Hose
- Inlet and Outlet Pipes with Elbows and Suction Cups
- Spray Bar

3. SETUP INSTRUCTIONS

Follow these steps to properly set up your FEDOUR Aquarium Canister Filter:

1. Prepare the Filter Media:

The filter comes with pre-installed filter media. If you wish to use the included ceramic balls, you may need to remove one or two layers of filter cotton to create space. Rinse all filter media thoroughly under clean water before placing them into the filter bucket. Ensure the media layers are correctly stacked as shown in the diagram below.



Image: Internal view of the filter showing the six-layer filtration system, including blue high density cotton, yellow high density cotton, blue physical filter sponge, white physical filter sponge, black biochemical cotton, and ceramic balls.

2. Assemble the Filter Head:

Attach the submersible pump to the designated area inside the filter bucket. Secure the top cover onto the filter bucket, ensuring the orange tabs are firmly latched to prevent leaks.

3. Connect Hoses and Pipes:

Connect the soft hose to the inlet and outlet valves on the filter head. Attach the water intake pipe assembly (including the telescopic tube and suction cups) to the inlet hose. Attach the spray bar assembly to the outlet hose. Use the provided suction cups to secure the intake and outlet pipes to the inside of your aquarium.



Image: Setup diagram illustrating the external filter connected to an aquarium with green hoses, showing the water intake and spray bar positioned inside the tank.

4. Position the Filter:

Place the canister filter below the aquarium water level, ideally in a cabinet or on a sturdy surface next to the tank. Ensure the hoses are not kinked and allow for smooth water flow.

4. OPERATING INSTRUCTIONS

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

1. Priming the Filter:

Before plugging in, ensure the filter bucket is filled with water. You can do this by opening the inlet valve and allowing water to siphon from the aquarium into the filter, or by manually filling the bucket before sealing the lid. Once water fills the canister, close the valves.

2. Power On:

Plug the power cable into a grounded electrical outlet. The pump will start, and water will begin to circulate through the filter and back into the aquarium.

3. Adjust Water Flow:

Rotate the inlet and outlet valves on the filter head to adjust the water flow rate to your desired level. The telescopic tube at the water intake can be adjusted up or down to best fit your fish tank's depth. The shower pipe outlet can be rotated 360° to direct water flow and increase dissolved oxygen.



Image: Illustration of the adjustable water flow feature, showing both small and large flow options from the spray bar, and the rotatable valves on the filter head for flow control.

4. Quiet Operation:

This filter is designed for super quiet operation, with noise levels below 35dB. You should primarily hear only the sound of water circulation. If the spray bar is installed underwater, the operation will be even quieter.



Image: Visual representation highlighting the ultra-quiet nature of the filter, indicating a noise level below 35dB, suitable for quiet environments like a bedroom.

5. MAINTENANCE

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

1. Cleaning Filter Media:

The filter media should be cleaned periodically, typically every 2-4 weeks depending on your aquarium's bioload. Open the orange tabs to release the top cover and access the filter media trays. Rinse the filter cottons in old aquarium water to preserve beneficial bacteria. Replace media as needed.



Image: Detailed breakdown of the filter media, showing black biochemical cotton for rough impurities, blue/yellow high density cotton for finer impurities, blue/white physical filter sponge for fine impurities and bacteria, and ceramic balls for cultivating nitrifying bacteria.

2. Cleaning Hoses and Pipes:

Periodically clean the inlet and outlet hoses, as well as the water intake and spray bar, to prevent blockages and maintain optimal flow. Use a flexible brush designed for aquarium tubing.

3. Pump Maintenance:

Inspect the submersible pump impeller for debris or blockages during media cleaning. Clean as necessary to ensure efficient operation and prevent noise.

6. TROUBLESHOOTING

If you encounter issues with your filter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Reduced Water Flow	Clogged filter media, kinked hoses, dirty impeller.	Clean or replace filter media. Check and straighten hoses. Clean pump impeller.
Filter Not Starting	No power, airlock, pump malfunction.	Check power connection. Re-prime the filter to remove air. Inspect pump for damage.
Excessive Noise	Air in filter, dirty impeller, improper assembly.	Re-prime to remove air. Clean impeller. Ensure all parts are securely assembled.
Water Leaks	Improperly sealed lid, loose hose connections, damaged O-rings.	Ensure orange tabs are fully latched. Tighten all hose connections. Inspect and replace O-rings if damaged.

7. SPECIFICATIONS

Detailed specifications for the FEDOUR 400GPH Aquarium Canister Filter:

Max Water Flow: 400 GPH (1500 L/H)

Power: 15 W

Bucket Size: 11.4 x 7.9 x 7.9 inches (29 x 20 x 20 cm)

Length of Power Cable: 4.3 Ft (1.3 m)

Suitable for: Up to 180 Gallon Tanks

Compatibility: Both Fresh Water and Salt Water Aquariums

Item Weight: 8.69 pounds

Manufacturer: ibay

ASIN: B0BRK43VLF

First Available: January 30, 2023

✔ Power: 15W

✔ Max Water Flow: 400GPH(1500L/H)

✔ Suitable for: up to 180gallon tank

✔ Length of power cable: 4.3Ft(1.3m)



Image: Diagram illustrating the dimensions of the FEDOUR 400GPH Aquarium Canister Filter, showing a height of 11.4 inches (29 cm) and a width of 7.9 inches (20 cm).

Fresh Water



Salt Water



Image: Visual confirmation that the filter is suitable for both fresh water and salt water aquarium environments.

8. WARRANTY AND SUPPORT

The FEDOUR 400GPH Aquarium Canister Filter comes with a **12-month warranty** from the date of purchase.

For any questions, technical support, or warranty claims, please contact FEDOUR customer service. You can also visit the official FEDOUR store for more information and products:

[Visit the FEDOUR Store](#)