

[Manuals.plus](#) /

› [fishkeeper](#) /

› fishkeeper 528GPH Canister Filter (Model FK085) - User Manual

fishkeeper FK085

fishkeeper 528GPH Canister Filter - User Manual

Model: FK085

Brand: fishkeeper

1. INTRODUCTION

Thank you for choosing the fishkeeper 528GPH Canister Filter. This advanced 3-stage filtration system is designed to provide a clean and healthy environment for your aquatic pets in both freshwater and saltwater aquariums up to 150 gallons. Featuring an ultra-quiet copper brushless motor, adjustable flow rate, and multiple layers of high-quality filtration media, this filter ensures crystal-clear water and optimal circulation. This manual provides detailed instructions for setup, operation, and maintenance to help you get the most out of your new filter.



Image: The fishkeeper 528GPH Canister Filter, a powerful and quiet external aquarium filter.

2. IMPORTANT SAFETY INSTRUCTIONS

- Read all instructions before using this appliance.
- To avoid electric shock, do not immerse the power cord or plug in water or other liquids.
- Always unplug the appliance from the outlet when not in use, before putting on or taking off parts, and before cleaning.
- Do not operate any appliance with a damaged cord or plug, or after the appliance malfunctions or has been dropped or damaged in any manner.
- Do not use the appliance for anything other than its intended use.
- Ensure the filter is placed below the water level of the aquarium for optimal siphoning and proper operation.
- Keep the PVC hoses untwisted and free from kinks to ensure proper water flow.
- Do not turn on the power until the filter bucket is fully filled with water.

3. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 35W Filter bucket (1 unit)
- Filter baskets (3 units)
- Inlet & Outlet tubes (1 set)
- Suction cups (6 units)
- Water tube (4.92ft / 150cm)
- Black Filter Sponge (1 unit)
- Blue Filter Sponge (1 unit)
- Activated Carbon (1 bag)
- Bioceramic Ring (1 bag)



35W Filter bucket



9.21" (23.4cm)

Filter basket



Inlet & Outlet tubes



Suction cup



Water tube

MEDIA



Black Filter Sponge



Blue Filter Sponge



Activated Carbon



Bioceramic Ring

Image: All components included with the fishkeeper 528GPH Canister Filter.

4. SETUP GUIDE

Follow these steps to properly set up your fishkeeper canister filter:

4.1. Preparing the Filter Media

1. Open the lock clips on the filter head and remove the top cover.
2. Arrange the filter media into the filter baskets. Typically, the order is coarse filter sponge at the bottom, followed by activated carbon, bioceramic rings, and then fine filter sponge at the top.
3. Rinse the activated carbon and bioceramic rings thoroughly under running water before placing them in the baskets to remove any dust or debris.
4. Place the filled filter baskets back into the filter bucket.

5. Align the cover's water inlet with the filter basket, then press it down and secure with the clasps.

MULTIPLE DEPTH FILTRATION

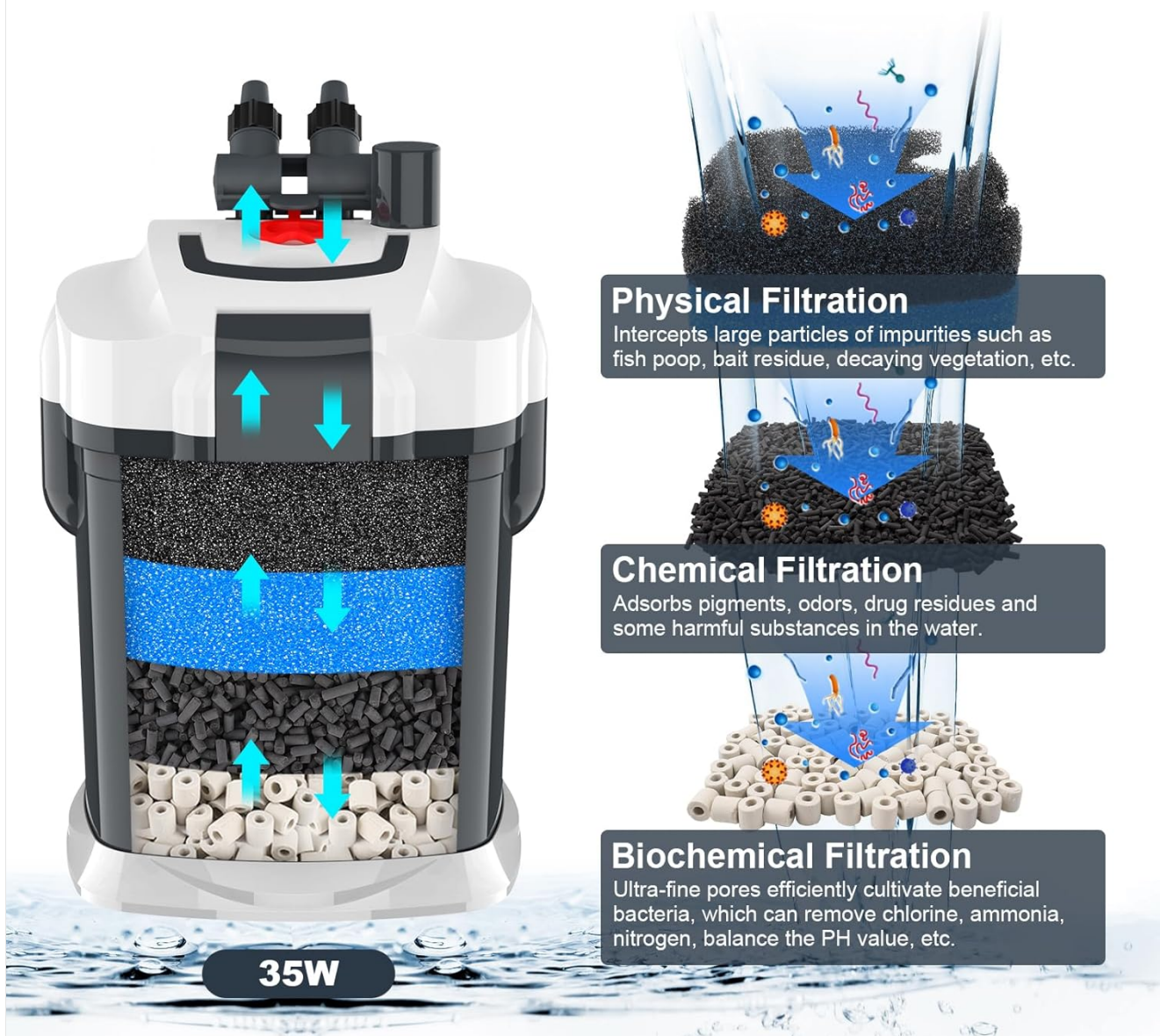


Image: Diagram illustrating the multiple depth filtration layers: Physical, Chemical, and Biochemical.

4.2. Connecting Hoses and Pipes

1. Set the flow valve on the filter head to the minimum position. Install the inlet and outlet nozzles into the top cover, press down the spanner to fix, and then set the flow valve to the maximum.
2. Assemble the inlet and outlet pipes using the provided components.
3. Attach the IN hose to the water inlet pipe and the OUT hose to the outlet pipe. Ensure all connections are tightened to prevent leaks.
4. Install suction cups to the inlet and outlet pipes and fix them in suitable positions inside the fish tank.

4.3. Filter Placement and Priming

1. Place the canister filter below the water level of your aquarium. For 35W/45W models, the height difference should be $\leq 180\text{cm}$. For 18W/25W models, it should be $\leq 70\text{cm}$.
2. Ensure the PVC hoses are not twisted or kinked. If necessary, cut the hose length short to avoid interfering with operation.
3. Press the air cell cover up and down repeatedly (3 to 6 times) to allow water to naturally flow into the canister until it is full. Do not turn on the power until the filter bucket is fully filled with water.

4. Once the filter is primed and full of water, plug in the power cord. The filter will start operating.

PRECAUTIONS

Ensure the water level is at the correct height during initial use, and that the PVC hose is not twisted

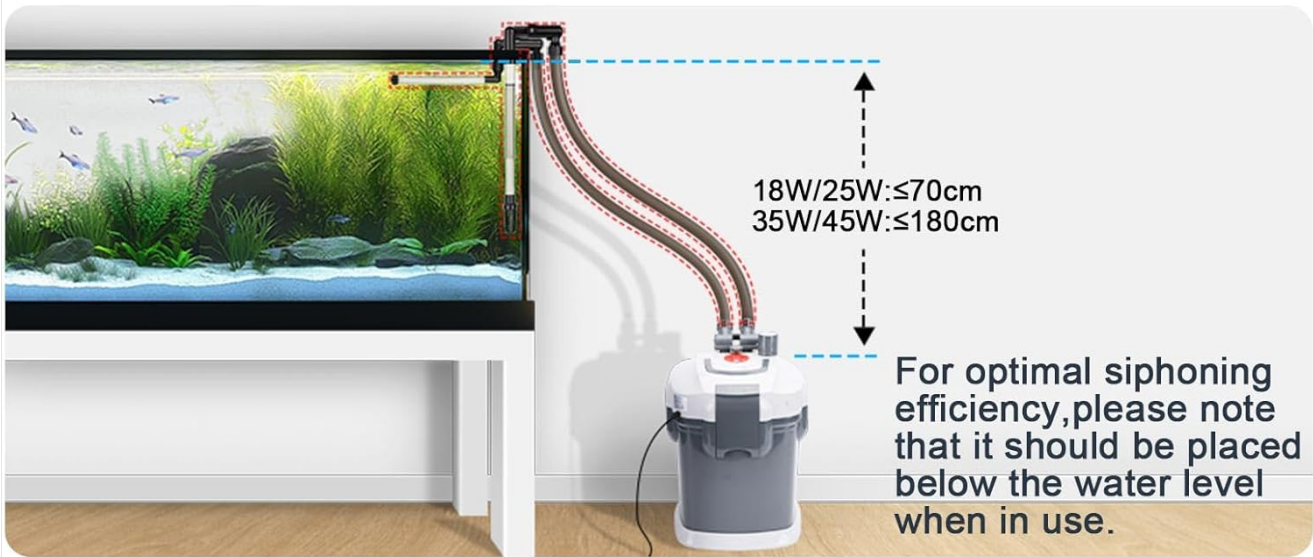


Image: Proper filter placement below the aquarium water level and ensuring untwisted hoses.

4.4. Setup Video Guide

Watch this video for a visual guide on setting up your fishkeeper canister filter:

Video: Step-by-step installation and setup of a Fishkeeper canister filter.

Another helpful video demonstrating the setup process for a similar canister filter:

Video: General installation guide for an external aquarium canister filter.

5. OPERATING INSTRUCTIONS

5.1. Adjustable Flow Rate

The fishkeeper 528GPH Canister Filter features an adjustable flow rate control valve, allowing you to customize the water circulation to suit your aquarium's needs. Simply adjust the red lever on the filter head to increase or decrease the flow. This versatility makes it suitable for various aquarium sizes and types, ensuring optimal water movement and filtration efficiency.

ADJUSTABLE WATER FLOW

Flow Regulating Handle



Min Water Flow



Max Water Flow



Image: The flow regulating handle for adjusting water flow from minimum to maximum.

5.2. Ultra-Quiet Operation

Equipped with a high-performance copper brushless motor, this filter operates with whisper-quiet efficiency, ensuring a peaceful environment for both you and your aquatic inhabitants. The advanced design minimizes noise, allowing you to enjoy the tranquility of your aquarium without disruption.

QUIET OPERATION



Image: The fishkeeper canister filter operating quietly, suitable for any room.

6. MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your fishkeeper canister filter. Follow these guidelines for cleaning and media replacement:

6.1. Routine Cleaning

1. Before any maintenance, unplug the filter from the power outlet.
2. Adjust the flow valve to the minimum setting, then remove the valve assembly from the filter head. This allows for routine cleaning and maintenance without disconnecting the water pipes from the aquarium.
3. Open the lock clips and remove the filter head. Carefully lift out the filter baskets.
4. Rinse mechanical filter media (sponges) under running tap water to remove trapped debris. Do not use soap or detergents.
5. Clean the impeller and impeller housing in the filter head to ensure smooth operation.

6. Reassemble the filter in reverse order, ensuring all seals are properly seated and clips are securely fastened.

6.2. Media Replacement

- **Activated Carbon:** Replace every 2-4 weeks, as its adsorptive capacity diminishes over time.
- **Bioceramic Rings:** Rinse gently with old aquarium water during cleaning to preserve beneficial bacteria. Replace only when they start to break down, typically every 6-12 months.
- **Filter Sponges:** Rinse regularly. Replace when they become too worn or clogged to clean effectively, typically every 3-6 months.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Reduced Water Flow	Clogged filter media, kinked hoses, air in the system, dirty impeller.	Clean or replace filter media. Check hoses for kinks. Re-prime the filter to remove air. Clean the impeller.
Filter Not Starting	Not plugged in, power outage, air in the system, impeller jammed.	Check power connection. Re-prime the filter. Check and clean the impeller.
Loud Noise/Vibration	Air in the system, dirty or damaged impeller, filter not level.	Re-prime the filter. Clean or replace impeller. Ensure filter is on a stable, level surface.
Water Leakage	Improperly sealed O-ring, loose hose connections, cracked housing.	Check and properly seat the O-ring. Tighten all hose connections. Inspect housing for damage.
Cloudy Water	Insufficient filtration, old media, bacterial bloom.	Ensure all filter media is clean and functional. Replace carbon. Check water parameters.

8. SPECIFICATIONS

Below are the specifications for the fishkeeper 528GPH Canister Filter (Model FK085) and other available variants:

Feature	18W	25W	35W (FK085)	45W
Power	18W	25W	35W	45W
Voltage	US/CA: AC 110V-120V/60Hz EU/UK: AC 220-240V/50Hz			
Cord Length	5.9Ft (1.8m)			
Max. Flow Rate	225GPH (850L/H)	390GPH (1500L/H)	528GPH (2000L/H)	660GPH (2500L/H)
Applicable Tank Size	Up to 65 Gal (250L)	Up to 100 Gal (350L)	Up to 150 Gal (550L)	Up to 230 Gal (850L)

Feature	18W	25W	35W (FK085)	45W
Filter Bucket Size	7.09"x7.09"x12.6" (18x18x32 CM)	7.09"x7.09"x15.75" (18x18x40 CM)	10.63"x10.63"x16.14" (27x27x41 CM)	10.63"x10.63"x18.11" (27x27x46 CM)
Filter Sponge Size	5.91"x5.91"x0.78" (15x15x2 CM)		8.9"x8.9"x0.78" (22.6x22.6x2 CM)	



Power	18W	25W	35W	45W
Voltage	US/CA: AC 110V-120V/60Hz EU/UK: AC 220-240V/50Hz			
Cord Length	5.9Ft(1.8M)			
Max. Flow Rate	225GPH (850L/H)	390GPH (1500L/H)	528GPH (2000L/H)	660GPH (2500L/H)
Applicable tank Size	Up to 65 Gal (250L)	Up to 100 Gal (350L)	Up to 150 Gal (550L)	Up to 230 Gal (850L)
Filter Bucket Size	7.09"*7.09"*12.6" (18*18*32 CM)	7.09"*7.09"*15.75" (18*18*40 CM)	10.63"*10.63"*16.14" (27*27*41 CM)	10.63"*10.63"*18.11" (27*27*46 CM)
Filter Sponge Size	5.91"*5.91"*0.78" (15*15*2 CM)		8.9"*8.9"*0.78" (22.6*22.6*2 CM)	

Image: Detailed specifications for various fishkeeper canister filter models.

9. WARRANTY AND SUPPORT

Your fishkeeper 528GPH Canister Filter is covered by a manufacturer's warranty against defects in materials and workmanship. For specific warranty details, including duration and coverage, please refer to the warranty card included in your product packaging or contact fishkeeper customer support.

For technical assistance, troubleshooting, or to inquire about replacement parts, please visit the official fishkeeper store on

Amazon or contact their customer service directly. When contacting support, please have your model number (FK085) and purchase date available.