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Pawfly Pawfly-CW4560-EU

Pawfly 300 L/H Internal Aquarium Filter User Manual

Model: Pawfly-CW4560-EU

1. Introduction

Thank you for choosing the Pawfly 300 L/H Internal Aquarium Filter. This filter is designed to provide efficient mechanical and biological filtration for freshwater and saltwater aquariums ranging from 30 to 80 liters. Its compact design, adjustable flow, and quiet operation contribute to a healthy and stable aquatic environment. Please read this manual thoroughly before installation and operation to ensure proper use and longevity of your filter.

2. Safety Instructions

- Always disconnect the power supply before performing any maintenance, installation, or cleaning.
- Ensure your hands are dry when handling the power plug.
- Do not operate the filter if the power cord or plug is damaged.
- This appliance is for indoor use only and must be fully submersible.
- Keep out of reach of children.
- Do not use the filter for purposes other than filtering aquarium water.

3. Product Features

- **Two-Stage Filtration:** Includes two biological sponges that capture debris, food remnants, and fish waste for clear water. These sponges also provide a surface for beneficial bacteria to thrive, aiding in the removal of harmful substances.
- **Compact and Efficient:** Measuring 4 x 5.6 x 14 cm (L x W x H), this filter is suitable for 30 to 80-liter freshwater or saltwater aquariums, providing both mechanical and biological filtration.
- **Customizable Flow Options:** Features both a jet outlet and a spray bar to adjust water flow according

to tank size and fish density, promoting strong and consistent circulation for improved oxygenation.

- **Quiet and Adjustable:** Powered by an energy-saving motor with a robust ceramic shaft, ensuring quiet operation. A sliding switch allows for slight adjustment of water flow.
- **Easy to Clean:** Designed for easy disassembly and rinsing.

4. Package Contents

Verify that all components are present in the package:

- 1 x Pawfly Internal Aquarium Filter
- 1 x Spray Bar (Rain Pipe)
- 1 x Fountain Accessory (Jet Outlet)
- 4 x Suction Cups (Black)
- 1 x Power Cable (1.6 m)
- 1 x User Manual

5. Setup Instructions

1. **Unpack Components:** Carefully remove all items from the packaging.
2. **Assemble Filter:** If disassembled for shipping, reassemble the filter body, ensuring the bio sponges are correctly placed within the filter chamber. Refer to the 'Detachable Design' image for component placement.

Image: Exploded view of the Pawfly internal aquarium filter, illustrating its various components and their assembly order. Key parts include the water outlet, water pump, rotor, bio sponge, suction cups, filter chamber, and water inlet.

3. **Attach Outlet:** Choose between the spray bar or the jet outlet. Attach your preferred outlet to the water pump. The spray bar can be adjusted 360 degrees for optimal water distribution.

Image: A diagram illustrating the 360-degree adjustability of the spray bar, allowing it to rotate left and right, and flip up and down for a custom fit in the aquarium.

4. **Mount Filter:** Secure the suction cups to the filter body. Press the filter firmly against the inside wall of your aquarium, ensuring it is fully submerged. The filter should be placed in a location that allows for good water circulation throughout the tank.

Image: The Pawfly 300 L/H Internal Aquarium Filter shown installed inside an aquarium, demonstrating its compact form factor and how it attaches to the tank wall.

5. **Check Water Level:** Ensure the filter is completely submerged in water before plugging it in. Operating the filter dry can cause damage.

6. Operating Instructions

1. **Power On:** Once the filter is correctly installed and fully submerged, plug the power cord into a suitable electrical outlet. The filter will begin to operate.
2. **Adjust Flow Rate:** Use the sliding switch located on the filter body to adjust the water flow rate. Slide the switch to increase or decrease the flow as needed for your aquatic pets and tank conditions.

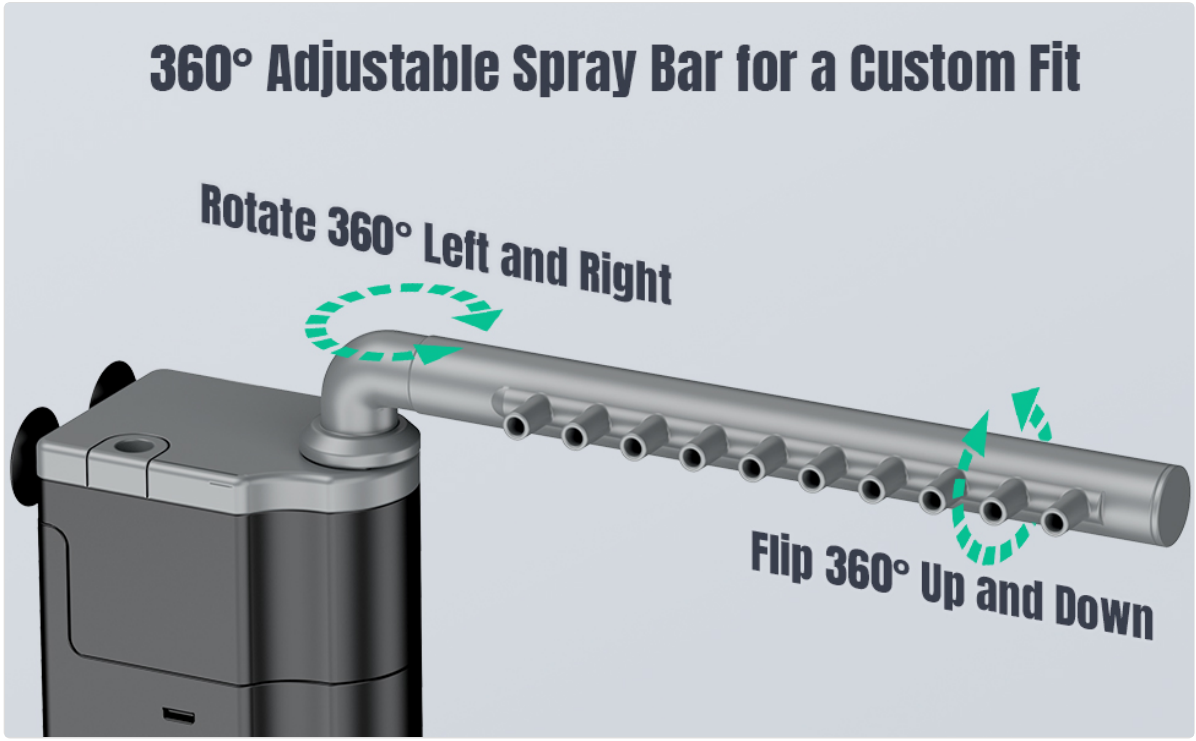

Image: This image illustrates the gentle flow adjustment mechanism on the filter, demonstrating the visual difference between low and high water flow settings from the spray bar.

3. **Customize Water Output:** The spray bar and jet outlet offer different water flow patterns. The spray bar provides a gentle, diffused flow, while the jet outlet offers a more direct stream. Experiment with both to find the best option for your aquarium.

Image: This image displays the customizable flow options available with the filter, featuring both a jet outlet for concentrated flow and a spray bar for diffused water output.

7. Maintenance

Regular maintenance is crucial for the optimal performance and longevity of your filter.

1. **Disconnect Power:** Always unplug the filter from the power outlet before any cleaning or maintenance.
2. **Remove Filter from Tank:** Carefully detach the filter from the aquarium wall.
3. **Disassemble Filter:** The filter features a detachable design for easy cleaning. Separate the filter components as shown in the 'Detachable Design' image.

Image: Exploded view of the Pawfly internal aquarium filter, illustrating its various components and their assembly order. Key parts include the water outlet, water pump, rotor, bio sponge, suction cups, filter chamber, and water inlet.

4. **Clean Bio Sponges:** Clean the biological sponges every 2 to 4 weeks.**Important:** Rinse the sponges using only water from the aquarium. Do not use tap water, as chlorine can kill beneficial bacteria essential for biological filtration. Gently squeeze the sponges to remove accumulated debris.
5. **Clean Other Components:** Rinse the filter housing, pump, and impeller under tap water to remove any sludge or debris. Ensure the impeller spins freely.
6. **Sponge Replacement:** For optimal performance, replace the bio sponges every 2 to 3 months.
7. **Reassemble and Reinstall:** Once all components are clean, reassemble the filter and reinstall it in the aquarium, following the setup instructions.

8. Troubleshooting

Problem	Possible Cause	Solution
Filter not running	No power; Impeller jammed; Damaged motor	Check power connection; Clean impeller and motor housing; Contact support if motor is damaged.
Low water flow	Filter media clogged; Impeller dirty; Flow adjustment set too low	Clean or replace filter sponges; Clean impeller; Adjust flow switch to a higher setting.
Excessive noise	Impeller dirty or damaged; Air trapped in filter; Filter not fully submerged	Clean or replace impeller; Gently shake filter to release air; Ensure filter is fully submerged.
Water remains cloudy	Filter media saturated; Incorrect filter size for tank; Overfeeding fish	Clean or replace filter media; Ensure filter is appropriate for tank volume; Reduce feeding amount.

If you encounter issues not listed here or if the problem persists after attempting the solutions, please contact Pawfly customer support.

9. Specifications

- **Model:** Pawfly-CW4560-EU
- **Brand:** Pawfly
- **Dimensions (L x W x H):** 14 x 4 x 14 cm (5.5 x 1.6 x 5.5 inches)
- **Weight:** 250 grams
- **Material:** Plastic
- **Power Source:** Electric Cable
- **Power Consumption:** 3 W
- **Max Flow Rate:** 300 Liters per hour
- **Voltage:** 220-240 V (based on typical EU specifications for similar products)
- **Frequency:** 50 Hz (based on typical EU specifications for similar products)
- **Recommended Tank Size:** 30 to 80 Liters
- **Usage:** Aquarium Filter (Freshwater and Saltwater)

Image: A visual representation of the Pawfly internal aquarium filter, highlighting its compact dimensions (14 cm height, 4 cm width, 5.6 cm depth) and key specifications such as Max Flow (300 L/h), Power (3 W), and recommended Tank Size (30-80 L).

10. Warranty and Support

Pawfly products are manufactured to high-quality standards. For warranty information, technical support, or any questions regarding your Pawfly 300 L/H Internal Aquarium Filter, please refer to the contact information provided with your purchase or visit the official Pawfly website. Please retain your proof of purchase for warranty claims.