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> [Pawfly CW4548 11.5W Aquarium Filter Instruction Manual](#)

Pawfly CW4548

Pawfly CW4548 11.5W Aquarium Filter Instruction Manual

Model: CW4548

INTRODUCTION

The Pawfly CW4548 11.5W Aquarium Filter is designed to provide efficient mechanical and biological filtration for freshwater and saltwater aquariums ranging from 5 to 20 gallons. This hang-on-back filter features a multi-stage filtration system, adjustable water flow, and quiet operation to maintain a clean and healthy aquatic environment.



Figure 1: Pawfly Hang-On-Back Aquarium Filter

SAFETY INFORMATION

- Always unplug the filter from the power outlet before performing any maintenance, cleaning, or when handling the filter.
- Ensure your hands are dry when plugging or unplugging the unit.

- Do not operate the filter if the power cord or plug is damaged.
- This filter is designed for indoor use only.
- Ensure the filter is securely mounted on the aquarium before filling with water or powering on.
- Keep out of reach of children.

PRODUCT FEATURES

- **2-Stage Filtration:** Features 3 bio sponges that effectively trap debris, uneaten food, and fish waste, contributing to crystal-clear water. These sponges also provide a large surface area for beneficial bacteria to grow, aiding in the absorption and elimination of harmful substances.



Figure 2: Effective Filtration Process

- **Powerful & Efficient:** Operates at 11.5 W with a maximum flow rate of 95 GPH. Suitable for 5-20 gallon rimless freshwater and saltwater tanks with glass thickness up to 1/2 inch. Provides comprehensive mechanical and biological filtration.
- **Customizable Flow Options:** Includes both a jet outlet and a spray bar to allow customization of water flow based on tank size and fish density. Both options ensure strong, steady circulation to enhance oxygenation.

Purify Every Drop - Protect Every Fin



Before Use
Turbid



After Use
Crystal Clear

Figure 3: Customizable Flow Options

- **Quiet & Adjustable:** Equipped with an energy-saving pure copper motor and a shockproof pad, ensuring operation below 30 dB for a calm aquarium environment. Two rotatable knobs allow easy adjustment of both inlet and outlet flow.

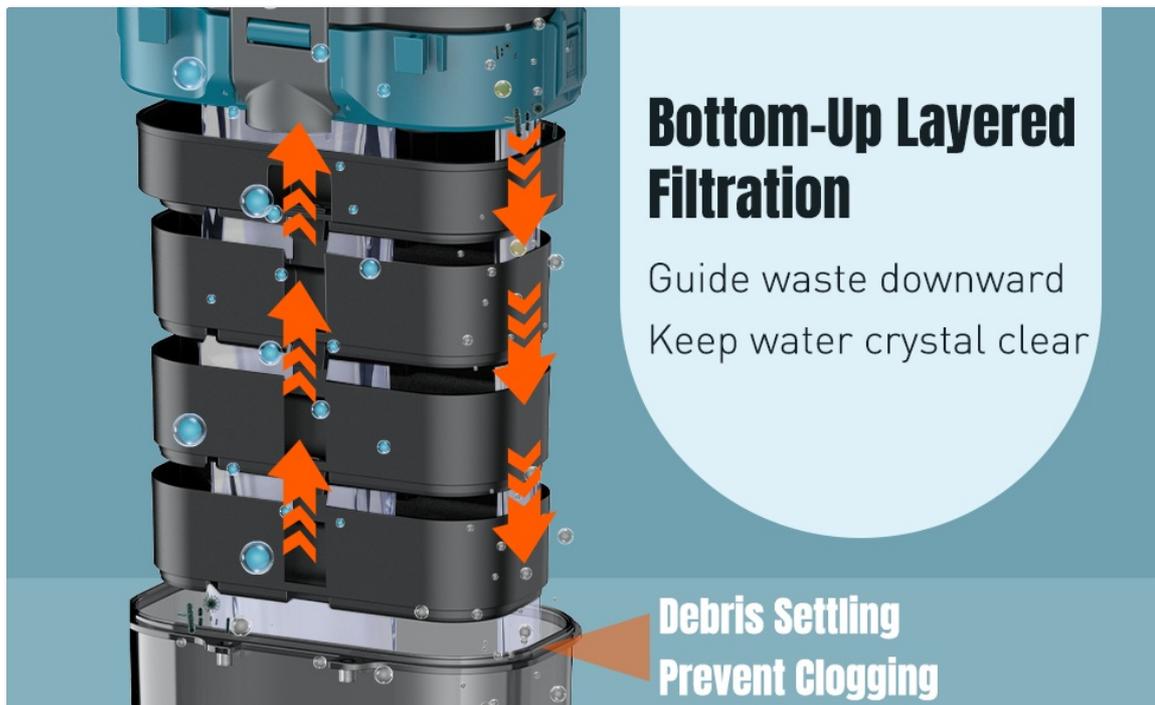


Figure 4: Ultra-Quiet Operation

- **Safe & Versatile Inlet:** Features an anti-suction inlet strainer to protect small fish or fry without impeding water flow. Included inlet tubes can extend to the tank bottom to draw in waste and debris for thorough cleaning.
- **Auto-Restart:** The filter is designed to auto-restart after power returns following an outage.

PACKAGE CONTENTS

Please check the package to ensure all components are present:

- Pawfly CW4548 Aquarium Filter Unit
- Accessory box (contains various connectors and tubes)
- Filter pads (pre-installed in the filter)
- Instruction manual (this document)
- US-standard two-prong plug with 1.6m power cord



Figure 5: Exploded View of Components

SETUP INSTRUCTIONS

Follow these steps to properly set up your Pawfly Aquarium Filter. For a visual guide, please refer to the installation video below.

1. **Assemble Inlet Tubes:** Connect the various sections of the inlet tube, ensuring the anti-suction inlet strainer is attached at the bottom.
2. **Assemble Outlet Tubes:** Connect the sections of the outlet tube, including the elbow connector. Choose between the jet outlet or the spray bar and attach it to the end of the outlet tube.
3. **Prepare Filter Media:** The filter comes with pre-installed bio sponges in a 3-layer filtration system. Ensure they are correctly seated within the filter trays.
4. **Secure Filter Head:** Place the motor head onto the filter body. Press firmly on the clamps on the sides of the filter head until they snap securely into place.
5. **Install Hanging Brackets:** Assemble the hanging brackets and slide them onto the designated slots on the back of the filter unit.
6. **Insert Shockproof Pad:** Locate the small blue shockproof pad and insert it into the designated slot at the bottom of the filter body.
7. **Attach Tubes to Filter Head:** Securely twist the assembled inlet and outlet tubes into their respective ports on the filter head.

8. **Hang Filter on Tank:** Carefully hang the assembled filter unit on the back of your aquarium. Adjust the hanging brackets to fit snugly against the tank's rim.
9. **Prime the Filter:** Remove the fill port cap located on the top of the filter head. Slowly pour clean aquarium water into the port until the filter body is completely filled. Replace the fill port cap securely.
10. **Power On:** Plug the filter's power cord into a suitable electrical outlet. The filter should begin operating immediately.

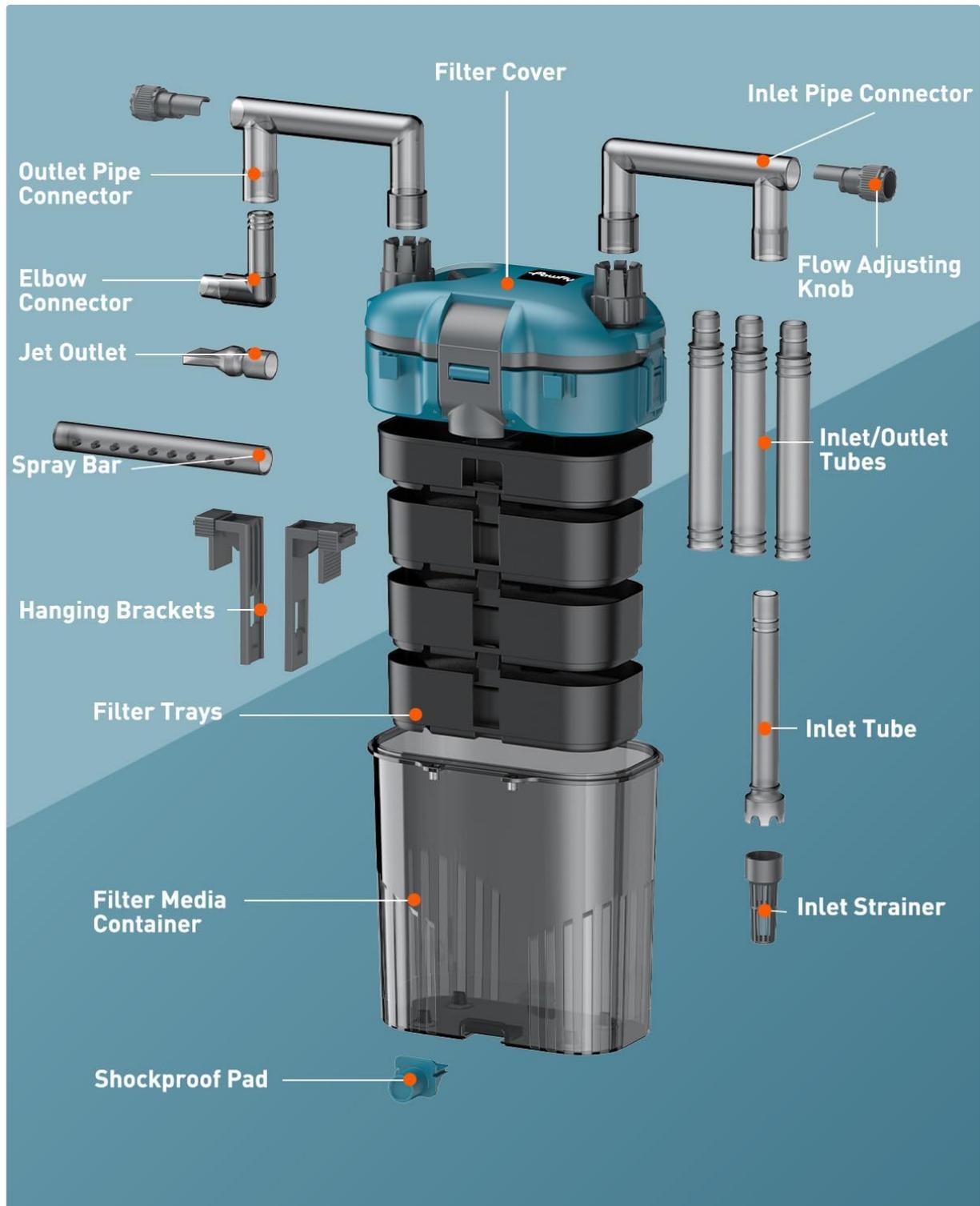


Figure 6: Filter Installed on Aquarium

Installation Video Guide

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Video 1: Pawfly Aquarium Filter Assembly and Operation Guide. This video demonstrates the step-by-step installation

process, from assembling the tubes and filter media to hanging the filter on the tank, priming it with water, and starting operation. It also shows how to adjust flow and swap between the jet and spray bar outlets.

OPERATING INSTRUCTIONS

Adjusting Water Flow

The Pawfly filter features two rotatable knobs on the filter head to adjust the inlet and outlet water flow. This allows you to customize the flow rate to suit the specific needs of your aquatic pets and tank size.

- Rotate the knobs clockwise to decrease flow and counter-clockwise to increase flow.
- It is generally recommended to keep the inlet flow fully open to prevent starving the motor. Adjust the outlet flow to achieve the desired circulation.



Figure 7: Adjustable Water Flow Knobs

Swapping Jet and Spray Bars

The filter includes both a jet outlet and a spray bar. You can easily swap these components to change the water output pattern.

- To swap, gently pull the currently installed outlet (jet or spray bar) from the elbow connector.
- Push the desired outlet firmly into the elbow connector until it is secure.
- The spray bar features an adjustable multi-angle spray direction. Rotate the spray bar to direct the water flow as needed.

MAINTENANCE

Regular maintenance is crucial for the optimal performance and longevity of your Pawfly Aquarium Filter.

Filter Media Replacement and Cleaning

- **Frequency:** Rinse the filter sponges every 2 weeks. Replace the filter sponges every 3 months, or

sooner if they become heavily clogged.

- **Procedure:**

1. Unplug the filter from the power outlet.
2. Carefully remove the filter from the aquarium.
3. Unclip the clamps and remove the motor head.
4. Lift out the filter media trays.
5. Rinse the bio sponges thoroughly with old aquarium water (not tap water, as chlorine can kill beneficial bacteria) to remove accumulated debris. If replacing, discard old sponges and insert new ones.
6. Clean the inside of the filter body and the impeller of the motor head.
7. Reassemble the filter in reverse order.
8. Prime the filter with water and plug it back in.

Ultra-Quiet Operation

Run below 30 dB to keep your tank calm and cozy



Figure 8: 3-Layer Filter Media Trays

Powerful & Efficient

Perfect for 5-20 gallon
(19-75.7 L) rimless tanks

Max Flow	Power
95 GPH	11.5 W
Tank Size	Max Head
5-20 Gallon	2 ft

Figure 9: Filter Maintenance Reminder

TROUBLESHOOTING

Problem	Possible Cause	Solution
Filter is not running or has weak flow.	Not plugged in; power outage; air in filter; clogged impeller; clogged intake.	Check power connection; prime the filter by filling with water; clean impeller and intake tubes; ensure water level in tank is sufficient.
Filter is making unusual noise (e.g., squeaking, rattling).	Air trapped in filter; impeller not seated correctly; debris in impeller; low water level.	Prime the filter to remove air; check and reseal impeller; clean impeller; ensure adequate water level in tank.

Problem	Possible Cause	Solution
Water is leaking from the filter.	Improperly sealed lid; loose tube connections; damaged O-ring/gasket.	Ensure lid clamps are fully secured; tighten all tube connections; inspect O-rings/gaskets for damage and replace if necessary.
Water remains cloudy after filtration.	Filter media is saturated or dirty; insufficient biological filtration; tank is overstocked.	Clean or replace filter media; ensure proper tank cycling; reduce fish load; perform partial water changes.

SPECIFICATIONS

Specification	Detail
Model Name	CW4548
Power	11.5 W
Max Flow Rate	95 GPH
Max Head	2 ft
Recommended Tank Size	5-20 Gallons (19-75.7 L)
Max Glass Thickness	1/2 inch (1.36 cm)
Item Dimensions (LxWxH)	7.36 x 5.51 x 8.66 inches
Item Weight	2.65 pounds
Color	Black

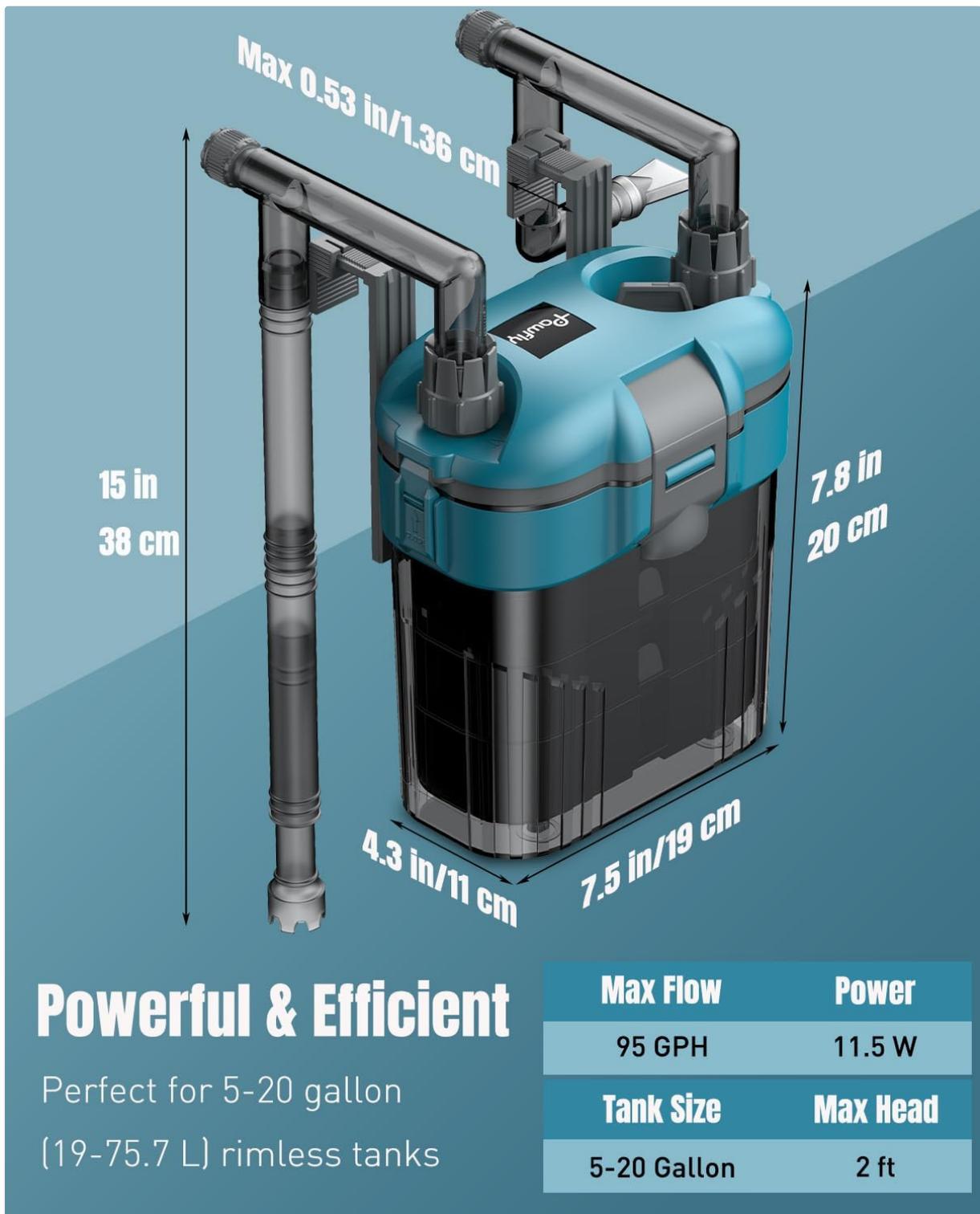


Figure 10: Product Dimensions and Performance

WARRANTY AND SUPPORT

Pawfly products are manufactured to high-quality standards. For specific warranty information, please refer to the documentation included with your purchase or contact Pawfly customer support. If you encounter any issues or have questions regarding your filter, please reach out to our customer service team for assistance.

Contact information can typically be found on the product packaging or the official Pawfly website.

