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Pawfly CW2445

Pawfly Aquarium Air Pump CW2445 User Manual

Model: CW2445

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1. INTRODUCTION

Thank you for choosing the Pawfly Aquarium Air Pump CW2445. This air pump is designed to provide consistent aeration for your fish tank, ensuring an oxygen-rich environment for aquatic life. This manual provides essential information for safe operation, installation, maintenance, and troubleshooting.

2. IMPORTANT SAFETY INSTRUCTIONS

Please read and follow all safety instructions carefully to prevent injury or damage to the product.

- Always disconnect the power supply before performing any maintenance or handling the pump.
- Ensure the pump is placed above the water level of the aquarium to prevent water backflow. Use the included check valve for added safety.
- Do not immerse the air pump in water. It is designed for dry use only.
- Keep the power cord away from heat sources and sharp objects.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Ensure the voltage and frequency of your power supply match the specifications of the pump.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- 1 x Pawfly Aquarium Air Pump
- 1 x 4.9-foot 3/16" Airline Tubing
- 1 x Air Stone

- 1 x Check Valve
- 1 x Suction Cup
- 1 x User Manual

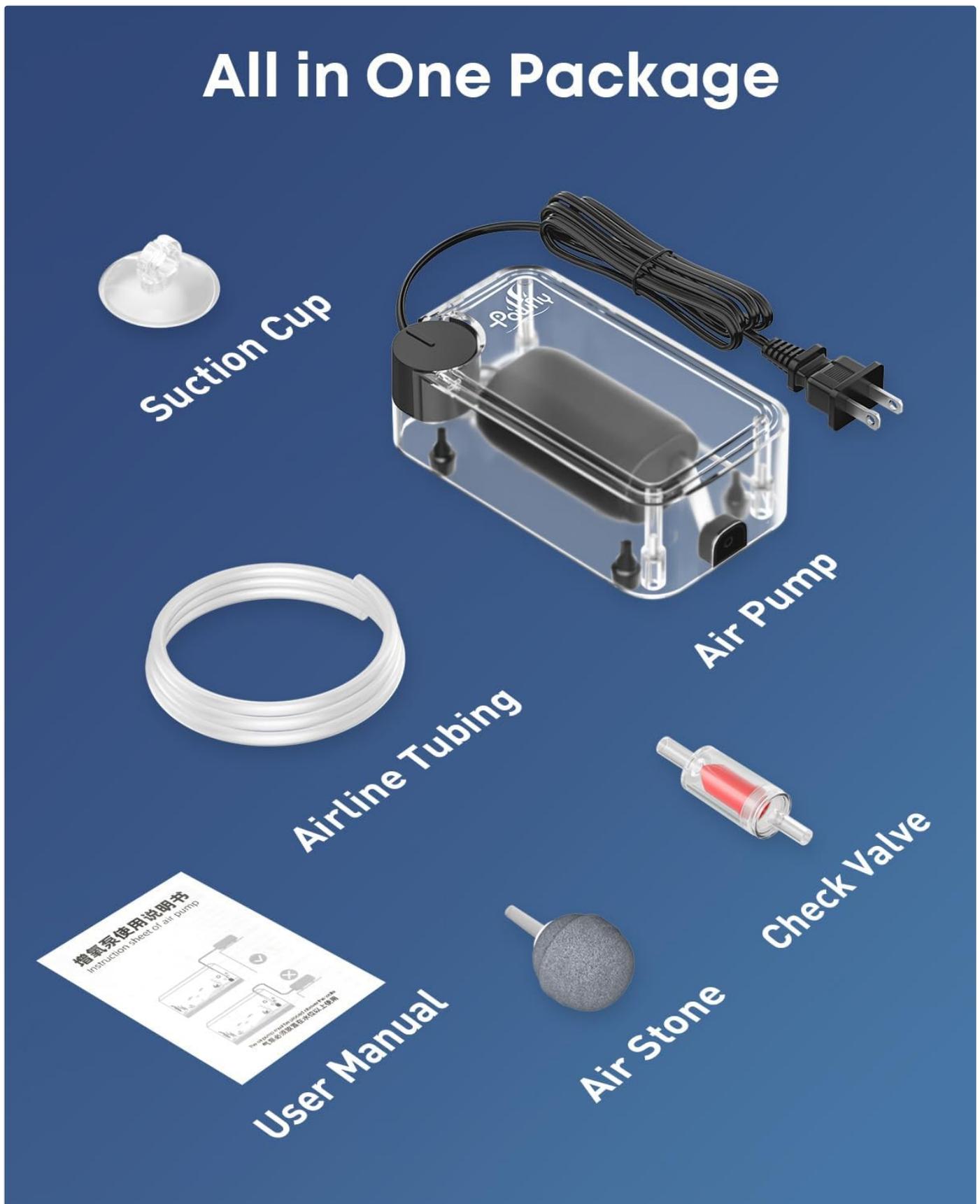


Figure 3.1: All components included in the Pawfly Aquarium Air Pump package.

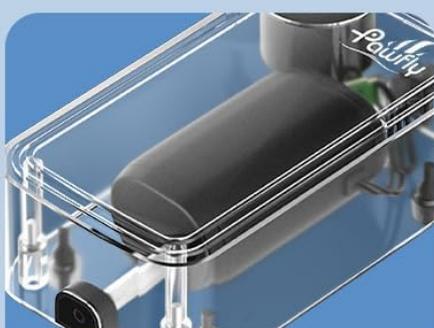
This image displays the Pawfly Aquarium Air Pump along with its accessories: airline tubing, an air stone, a check valve, and a suction cup, all neatly arranged as an 'All in One Package'.

4. SETUP INSTRUCTIONS

Follow these steps to set up your Pawfly Aquarium Air Pump:

1. **Positioning the Air Pump:** Place the air pump on a stable, flat surface outside and above your aquarium's water level. The built-in anti-vibration pad and rubber feet help absorb shocks and reduce noise.
2. **Connecting the Airline Tubing:** Connect one end of the 4.9-foot airline tubing to the air outlet nozzle on the pump.
3. **Installing the Check Valve:** Cut the airline tubing a few inches from the air pump. Insert the check valve into the cut tubing, ensuring the arrow on the check valve points towards the aquarium. This prevents water from siphoning back into the pump during a power outage.
4. **Attaching the Air Stone:** Connect the other end of the airline tubing (after the check valve) to the air stone.
5. **Placing the Air Stone:** Submerge the air stone in your aquarium. You can use the included suction cup to secure the airline tubing to the inside wall of the tank, keeping the air stone in the desired position.
6. **Power Connection:** Once all connections are secure and the pump is positioned correctly, plug the power cord into a suitable electrical outlet.

Reliable Construction



**Built-in
Anti-Vibration Pad**



**Sturdy Double-Layer
ABS Shell**



Shockproof Rubber Feet

Figure 4.1: Internal construction features of the Pawfly Air Pump, highlighting its anti-vibration pad, durable ABS shell, and rubber feet.

This image illustrates the robust construction of the air pump, featuring a built-in anti-vibration pad, a sturdy double-layer ABS shell for durability, and shockproof rubber feet designed to minimize vibration and noise during operation.

5. OPERATING INSTRUCTIONS

The Pawfly Aquarium Air Pump is designed for ease of use and efficient oxygen delivery.

5.1 Powering On and Initial Operation

After connecting the pump as described in the setup section, plug it into a power outlet. The pump will immediately begin to produce air, creating bubbles from the air stone in your aquarium.

5.2 Adjusting Air Flow

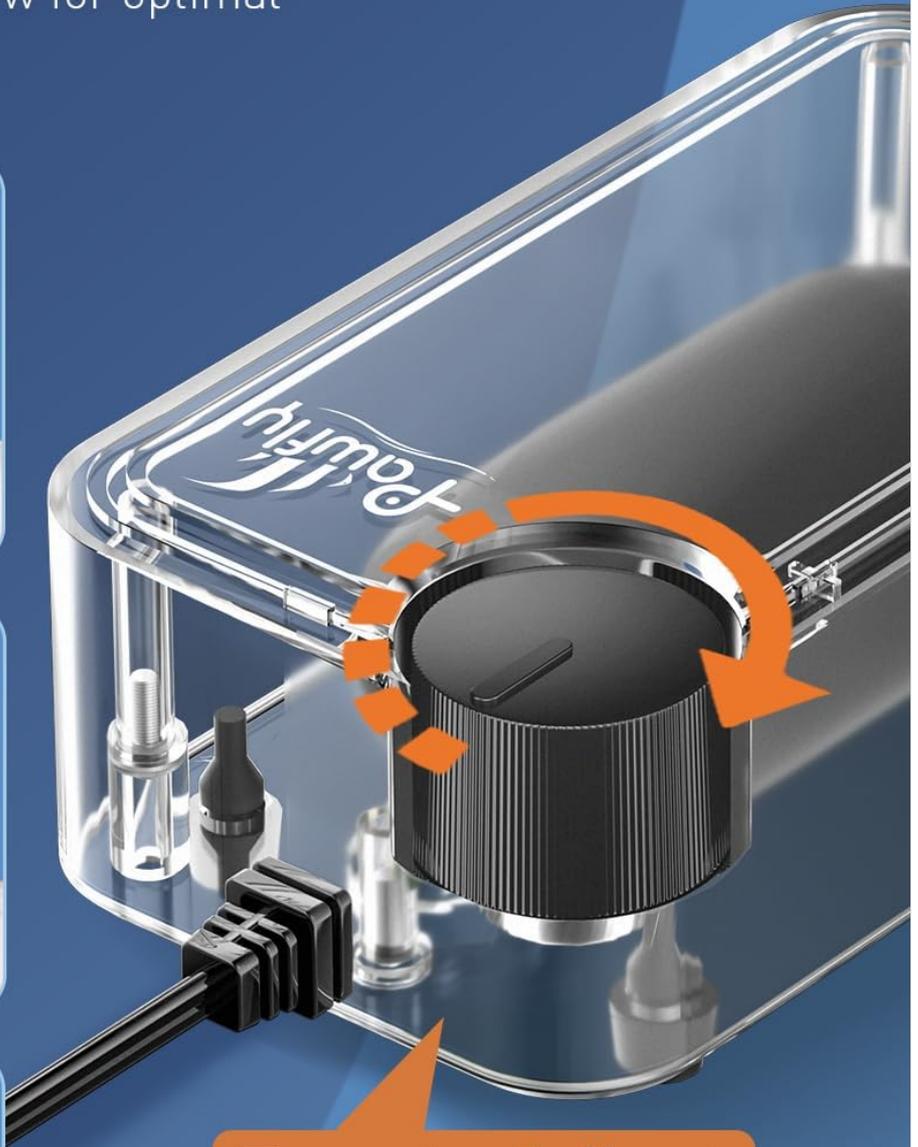
The air pump features an adjustable control knob on the top, allowing you to fine-tune the air output.

- **To Increase Air Flow:** Turn the control knob clockwise.
- **To Decrease Air Flow:** Turn the control knob counter-clockwise.

Adjust the flow rate to suit the needs of your specific aquarium, whether for delicate fish or vigorous plant growth. This adjustment helps maintain an optimal oxygen balance.

Adjustable Flow Rate

Tailor your ideal flow for optimal oxygen delivery



Turn to Adjust
Air Flow

Figure 5.1: The adjustable flow rate knob on the Pawfly Air Pump, demonstrating varying bubble outputs.

This image highlights the adjustable flow rate feature of the air pump. It shows the control knob that can be turned to adjust the air flow, with visual examples of low, medium, and high bubble outputs from an air stone in an aquarium.

5.3 Ultra-Quiet Operation

The pump is designed for quiet operation, with noise levels below 30 dB, thanks to its anti-vibration pad and rubber feet. This ensures a calm environment for your aquatic pets and minimizes disturbance in your home.

Ultra-Quiet Operation

Run below 30 dB to keep your tank calm and cozy



Figure 5.2: The Pawfly Air Pump operating quietly, demonstrating its low noise level.

This image depicts the air pump operating next to an aquarium in a bedroom setting, with a child sleeping, emphasizing its ultra-quiet operation (below 30 dB) that ensures a peaceful environment.

5.4 Instructional Videos

Video 5.1: Demonstration of the Pawfly Aquarium Air Pump in operation, showcasing its steady bubble output.

Video 5.2: Overview of the Pawfly Aquarium Air Pump's features and components.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your air pump.

- **Cleaning the Air Stone:** Over time, air stones can become clogged with algae or debris, reducing bubble output. Clean the air stone regularly by scrubbing it gently under running water or soaking it in a mild bleach solution (rinse thoroughly before reintroducing to the tank). Replace the air stone if it becomes severely clogged or damaged.
- **Checking Airline Tubing:** Inspect the airline tubing periodically for kinks, cracks, or blockages. Replace any damaged tubing to ensure consistent airflow.
- **Pump Exterior:** Wipe the exterior of the air pump with a soft, damp cloth to remove dust and dirt. Do not use harsh chemicals or abrasive cleaners.
- **Check Valve Inspection:** Ensure the check valve is functioning correctly and not allowing water to pass through in the wrong direction. Replace if faulty.

7. TROUBLESHOOTING

If you encounter issues with your Pawfly Aquarium Air Pump, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No air output or weak bubbles	Power not connected Airline tubing kinked or blocked Air stone clogged Air flow knob set too low	Ensure pump is plugged in and power outlet is functional. Check tubing for obstructions or damage; straighten or replace as needed. Clean or replace the air stone. Turn the air flow knob clockwise to increase output.
Pump is noisy or vibrating excessively	Pump not on a stable surface Vibration against other objects	Place the pump on a flat, stable surface. Ensure the pump's rubber feet are making full contact and it is not touching other objects that could amplify vibration.
Water backflow into pump	Check valve installed incorrectly or faulty Pump placed below water level without a check valve	Ensure check valve arrow points towards the aquarium. Replace if faulty. Always place the pump above the water level. If not possible, ensure a functional check valve is installed.

8. SPECIFICATIONS

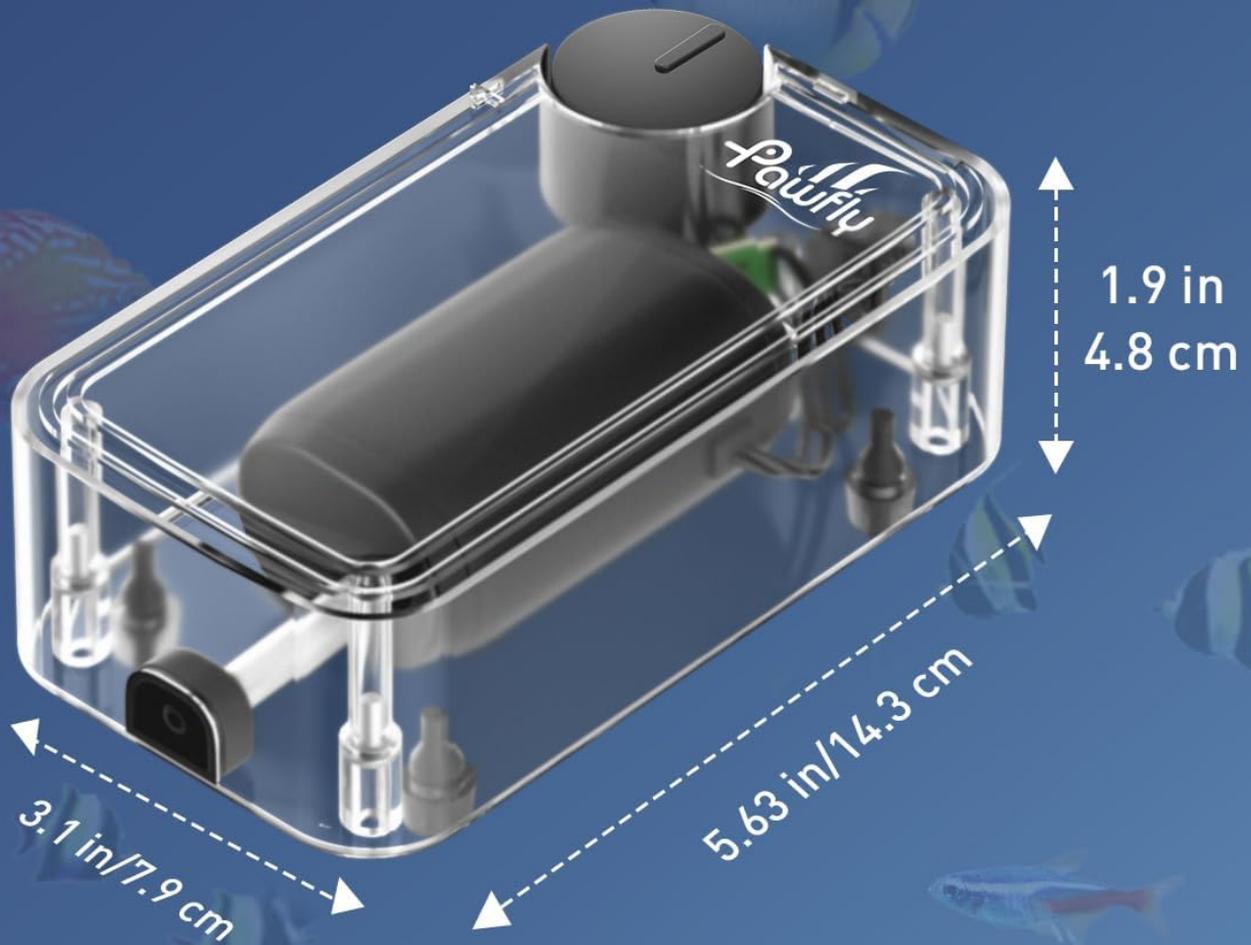
Technical details for the Pawfly Aquarium Air Pump CW2445:

- **Model Name:** CW2445
- **Max Flow Rate:** 50 GPH (189 L/h)
- **Power:** 3 W
- **Pressure:** ≥ 0.014 MPa
- **Noise Level:** < 30 dB

- **Recommended Tank Size:** Up to 60 Gallons
- **Material:** Plastic (Sturdy Double-Layer ABS Shell)
- **Power Source:** Corded Electric
- **Hose Length:** 4.9 Feet (3/16" Airline Tubing)
- **Item Package Dimensions:** 6.69 x 4.33 x 3.27 inches
- **Package Weight:** 13.12 ounces
- **Color:** Black

Steady Airflow

Perfect for fish tanks up to 60 gallons (227 L)



Max Flow Rate

50 GPH (189 L/h)

Pressure

≥ 0.014 MPa

Power

3 W

Noise

< 30 dB

Figure 8.1: Key specifications and dimensions of the Pawfly Aquarium Air Pump.

This image provides a visual overview of the Pawfly Aquarium Air Pump, detailing its dimensions and core performance specifications such as maximum flow rate, pressure, power consumption, and noise level, indicating steady airflow for tanks up to 60 gallons.

9. WARRANTY AND SUPPORT

The Pawfly Aquarium Air Pump CW2445 comes with a **1 Year Manufacturer Warranty**.

For warranty claims, technical support, or any questions regarding your product, please contact Pawfly customer service through the retailer where the product was purchased or visit the official Pawfly website for contact information.

Please retain your proof of purchase for warranty validation.

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For more information, visit [the Pawfly Store on Amazon](#).