

Pawfly UL224-FBA

Pawfly MA-60 Compact Aquarium Air Pump Instruction Manual

Model: UL224-FBA

1. PRODUCT OVERVIEW

The Pawfly MA-60 Compact Aquarium Air Pump is designed to provide essential oxygenation for 3-20 gallon freshwater and marine fish tanks. Its compact size and quiet operation make it suitable for various aquatic environments. This package includes the air pump, an air stone, airline tubing, and a check valve for a complete aeration setup.

- **Compact & Light:** Measures 3.3" L x 1.8" W x 1.6" H. Ideal for small spaces and tanks from 3 to 20 gallons.
- **Steady Output:** Max air flow rate: 30 GPH; Pressure: 0.012 MPa; Power: 2 W. Ensures consistent oxygen supply.
- **Quiet Aeration:** Features diaphragms and 4 shockproof rubber feet to minimize noise and vibration, operating at less than 45 dB.
- **Air Stone Ball:** 0.8" D x 1.35" H. Produces medium bubbles for effective aeration.
- **Accessories:** Includes 5-foot airline tubing (3/16" inner diameter) and a check valve to prevent water back-siphoning.



Figure 1: Pawfly MA-60 Compact Aquarium Air Pump

The Pawfly MA-60 air pump is a compact and efficient device designed to enhance the oxygen levels in your aquarium, promoting a healthier environment for your aquatic life. Its small footprint allows for discreet placement, while the included accessories ensure a straightforward installation process.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x Pawfly MA-60 Air Pump
- 1 x Air Stone Ball
- 1 x 5-foot Airline Tubing
- 1 x Check Valve

All in One Package

Include an air stone, a 5-foot
hose and a check valve



Length : 5 Ft

Diameter : 3/16 In



Figure 2: All components included in the Pawfly MA-60 Air Pump package.

3. SETUP INSTRUCTIONS

Follow these steps to set up your Pawfly MA-60 Air Pump:

1. **Prepare the Tubing:** Cut the provided airline tubing to the desired length, ensuring it is long enough to reach from the air pump to the air stone in your aquarium.
2. **Connect the Check Valve:** Attach the check valve to the airline tubing. Ensure the check valve is oriented correctly, allowing air to flow towards the aquarium and preventing water from siphoning back into the pump. The arrow on the check valve indicates the direction of air flow.
3. **Connect to Air Pump:** Connect one end of the tubing (with the check valve) to the air outlet nozzle on the Pawfly MA-60 air pump.
4. **Connect to Air Stone:** Attach the other end of the tubing to the air stone.
5. **Soak Air Stone:** Before placing it in the aquarium, soak the air stone completely in water for at least one hour. This helps ensure optimal bubble production.
6. **Placement:** Place the air pump above the water level of your aquarium to prevent water from flowing back into the pump in case of a power outage. If the pump must be placed below the water level, ensure the check valve is correctly installed and functioning. Position the air stone at the bottom of

your aquarium.

7. **Power On:** Plug the air pump into a suitable power outlet.



Figure 3: Setup diagram showing air pump, check valve, tubing, and air stone connections.

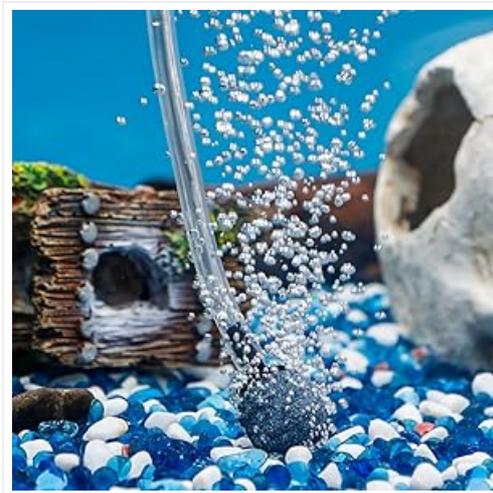


Figure 4: Proper orientation of the check valve for air flow.

Setup Video Guide

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Official Pawfly video demonstrating the unboxing and step-by-step setup of the MA-60 aquarium air pump, including connecting the air stone, tubing, and check valve.

4. OPERATING INSTRUCTIONS

Once properly set up, the Pawfly MA-60 air pump operates continuously when plugged in. It is designed for quiet operation, but placing it on a soft surface like a blanket can further reduce any residual vibration noise.



Figure 5: Air stone in operation, providing aeration to the aquarium.

Shockproof Rubber Feet

Keep it working steadily with minimum vibration



Figure 6: Shockproof rubber feet on the air pump for noise reduction.

5. MAINTENANCE

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

- **Air Stone Cleaning:** Air stones can become clogged over time, reducing air flow. Regularly clean the

air stone by gently brushing its surface to remove any buildup. If severely clogged, replace the air stone.

- **Tubing Inspection:** Periodically check the airline tubing for kinks, cracks, or blockages. Replace if necessary to maintain consistent air flow.
- **Pump Exterior:** Wipe the exterior of the air pump with a dry cloth to keep it clean. Do not immerse the pump in water.
- **Filter Maintenance (if applicable):** If using a bio sponge filter, follow its specific cleaning instructions to ensure proper filtration and air flow.

6. TROUBLESHOOTING

If you encounter issues with your Pawfly MA-60 Air Pump, refer to the following common solutions:

Problem	Possible Cause	Solution
No air flow or weak bubbles	<ul style="list-style-type: none">◦ Air stone clogged◦ Tubing kinked or blocked◦ Air pump not powered◦ Check valve installed backward	<ul style="list-style-type: none">◦ Clean or replace air stone◦ Straighten or replace tubing◦ Ensure pump is plugged in and power outlet is working◦ Reorient check valve (refer to Figure 4)
Excessive noise/vibration	<ul style="list-style-type: none">◦ Pump on hard surface◦ Internal diaphragm issue	<ul style="list-style-type: none">◦ Place pump on a soft mat or towel◦ Ensure rubber feet are intact (refer to Figure 6)◦ If noise persists, contact customer support
Water back-siphoning into pump	<ul style="list-style-type: none">◦ Check valve missing or installed incorrectly◦ Pump placed below water level without proper check valve	<ul style="list-style-type: none">◦ Install or correctly orient check valve (refer to Figure 4)◦ Ensure pump is above water level or check valve is secure

7. SPECIFICATIONS

Feature	Detail
Brand	Pawfly
Model Number	UL224-FBA
Product Dimensions	3.3" L x 1.8" W x 1.6" H
Item Weight	9.52 Ounces
Power Source	Corded Electric

Feature	Detail
Air Flow Capacity	0.67 Gallons Per Minute (approx. 30 GPH)
Maximum Pressure	0.012 MPa (12000 Pascal)
Noise Level	Less than 45 dB
Hose Length	5 Feet
Material	Plastic
Color	Blue

8. WARRANTY AND SUPPORT

Pawfly products are manufactured with quality and customer satisfaction in mind. For specific warranty details, please refer to the product packaging or contact Pawfly customer support directly. If you have any questions, require assistance with setup, or experience any issues with your air pump, please reach out to our customer service team. Contact information can typically be found on the product packaging or the official Pawfly website.