

AquaMiracle AP-80

AquaMiracle AP-80 Linear Air Pump Instruction Manual

Model: AP-80

1. INTRODUCTION

Thank you for choosing the AquaMiracle AP-80 Linear Air Pump. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your air pump. Please read these instructions thoroughly before use and retain them for future reference.

2. SAFETY INSTRUCTIONS

- Always disconnect the power supply before performing any maintenance or handling the pump.
- This appliance is designed for indoor use only. Do not expose it to rain or moisture.
- Ensure the power cord is not damaged. Do not operate the pump with a damaged cord or plug.
- Do not immerse the air pump in water. It is not submersible.
- Place the pump above the water level to prevent water backflow. Use a check valve if the pump must be placed below the water level.
- Keep out of reach of children.
- Ensure the voltage and frequency of your power supply match the specifications on the pump's label.

3. PACKAGE CONTENTS

Verify that all items are present and in good condition upon unpacking:

- 1 x AquaMiracle AP-80 Linear Air Pump
- 2 x Air Stone (8 inches x 1.25 inches)

4. SETUP

4.1 Pump Placement

Place the air pump on a stable, dry surface, ensuring it is above the water level of your aquarium or pond. This prevents water from siphoning back into the pump in case of a power outage. If placing below water level is unavoidable, install a check valve on the airline tubing.

4.2 Connecting Airline Tubing

Connect appropriate airline tubing (not included) to the pump's air outlet. The stepped air nozzle on the included air stones is designed to fit both 3/16-inch and 3/8-inch (Inner Diameter) airline tubing.



Figure 1: Air stone dimensions and compatible airline tubing sizes. The air stone measures 8 inches in length and 1.25 inches in diameter. The stepped nozzle accommodates both 3/16" and 3/8" inner diameter tubing.

4.3 Air Stone Placement

Attach the other end of the airline tubing to the air stones. Place the air stones at the desired location within

your aquarium or reservoir. The included air stones are self-weighted and designed to sit steadily at the bottom.

Sits Steadily at the Reservoir Bottom



Place the diffuser horizontally at the bottom of your reservoir. The self-weighted bubbler will stay steadily.

Minimal Maintenance, Lasts Longer

Anti Clogging - This perforated air diffuser is more anti-clogging comparing with the traditional sand air stones.

Figure 2: Proper placement of the air stone. The self-weighted bubbler should be placed horizontally at the bottom of your reservoir for stable operation.

5. OPERATING INSTRUCTIONS

Once the pump and air stones are correctly installed and connected, plug the power cord into a suitable electrical outlet. The pump will begin to operate, providing aeration to your system. The AquaMiracle AP-80 delivers a powerful performance with a flow rate of 1350 GPH (85 LPM) and an air pressure of 0.028 MPa.

▪ Super Powerful ▪ Large Flow ▪ High Pressure



Power: 40Watt
Air Output: 1350GPH (85LPM)
Air Pressure: 0.028Mpa
Water Depth: 9.3ft (2.8m)
Power Cord: 6ft

Figure 3: AquaMiracle AP-80 Air Pump highlighting its performance specifications: 40W power, 1350 GPH (85 LPM) air output, 0.028 MPa air pressure, suitable for water depths up to 9.3 ft (2.8 m), and a 6 ft power cord.

5.1 Air Distribution

The pump features multiple outlets for efficient air distribution. You can connect multiple air lines to these outlets to aerate different sections of your system or multiple aquariums.



Figure 4: Dimensions of the AquaMiracle AP-80 air pump (9.8" L x 7.83" W x 7.6" H) and its 17 air outlets for comprehensive aeration.

6. MAINTENANCE

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

6.1 Air Pump Maintenance

- **Cleaning:** Periodically wipe the exterior of the pump with a damp cloth to remove dust and debris. Ensure no water enters the internal components.
- **Air Filter:** Check the air filter (if accessible) regularly and clean or replace it as needed to maintain optimal airflow.
- **Diaphragm:** The internal diaphragm is a wear-and-tear part. If air output significantly decreases over time, the diaphragm may need replacement. Refer to AquaMiracle support for replacement parts.

6.2 Air Stone Maintenance

The included air stones are designed for minimal clogging compared to traditional sand air stones. However, over time, mineral deposits or algae can reduce their efficiency.

- **Cleaning:** If air bubbles become uneven or reduced, remove the air stone from the water and gently brush

its surface to remove any buildup. For stubborn clogs, soak the air stone in a diluted vinegar solution for a few hours, then rinse thoroughly before reintroducing it to the aquarium.

- **Replacement:** If cleaning does not restore adequate performance, replace the air stone.

7. TROUBLESHOOTING

If you encounter issues with your AquaMiracle AP-80 air pump, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Pump not operating	No power supply	Check power cord connection and wall outlet. Test outlet with another appliance.
Low or no air output	<ul style="list-style-type: none">• Kinked or blocked airline tubing• Clogged air stone• Worn diaphragm• Dirty air filter	<ul style="list-style-type: none">• Inspect and clear tubing.• Clean or replace air stone (refer to Section 6.2).• Contact AquaMiracle support for diaphragm replacement.• Clean or replace air filter.
Excessive noise or vibration	<ul style="list-style-type: none">• Pump not on a stable surface• Internal component issue	<ul style="list-style-type: none">• Ensure pump is on a flat, stable surface. Place on a soft mat to reduce vibration.• Contact AquaMiracle support if noise persists.

If the problem persists after attempting these solutions, please contact AquaMiracle customer support.

8. SPECIFICATIONS

Feature	Specification
Model	AP-80
Power	40 W
Air Output	1350 GPH (85 LPM)
Air Pressure	0.028 MPa
Max. Water Depth	9.3 ft (2.8 m)
Power Cord Length	6 ft
Air Stone Dimensions	8 inches (Length) x 1.25 inches (Diameter)
Airline Tubing Compatibility	3/16 inch and 3/8 inch (Inner Diameter)

Feature	Specification
Number of Outlets	17
Pump Dimensions (L x W x H)	9.8 inches x 7.83 inches x 7.6 inches

9. WARRANTY AND SUPPORT

AquaMiracle products are manufactured to high-quality standards. For information regarding warranty coverage, please refer to the warranty card included with your purchase or visit the official AquaMiracle website.

For technical support, replacement parts, or any inquiries not covered in this manual, please contact AquaMiracle customer service through their official website or the retailer where the product was purchased. Please have your model number (AP-80) and purchase date available when contacting support.