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› Fishkeeper Silent Aquarium Air Pump, High Flow Air Pump for Aquariums up to 520L, Max Air Flow 500LPH 2.5W User Manual

## fishkeeper FK022-2.5W

# Fishkeeper Silent Aquarium Air Pump User Manual

Model: FK022-2.5W | Brand: fishkeeper

## 1. INTRODUCTION

Thank you for choosing the Fishkeeper Silent Aquarium Air Pump. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your air pump. Designed for aquariums up to 220 liters, this pump ensures optimal oxygenation for your aquatic environment with minimal noise.



Image: The Fishkeeper air pump integrated into an aquarium setup, illustrating its function in enhancing water and air flow silently across various scenarios.

### Key Features:

- **Ultra-Quiet Operation:** Equipped with rubber soft bottom pads and a dual structure design to significantly reduce vibration and noise, ensuring a peaceful environment.
- **High Air Flow:** Provides efficient aeration for aquariums up to 220L, promoting healthy aquatic life.
- **Compact Design:** Mini single-hole air pump with small dimensions, ideal for various aquarium sizes.
- **Energy Efficient:** Low power consumption for cost-effective operation.

## DUAL NOISE REDUCTION DESIGN



Image: An exploded view illustrating the dual noise reduction design, highlighting the internal air pump, external reinforced shell, and rubber soft bottom pads that minimize vibration and noise diffusion.

## 2. SAFETY INSTRUCTIONS

Please read and follow these safety guidelines carefully to prevent injury or damage to the product.

- Always disconnect the power supply before performing any maintenance or handling the pump.
- Do not immerse the air pump in water. It is designed for external use only.
- Ensure the power cord is not damaged or pinched. Do not operate the pump with a damaged cord or plug.
- Place the air pump on a stable, dry surface, preferably above the water level of your aquarium to prevent water backflow.
- If the pump is placed below the water level, a check valve **must** be used to prevent water from siphoning back into the pump during a power outage.
- Keep out of reach of children and pets.
- This product is for indoor use only.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Fishkeeper Air Pump
- 1 x Air Tube
- 1 x Air Stone (Bubble Stone)
- 1 x Check Valve (Non-return Valve)

## PACKAGE INCLUDED



1 x air pump



1 x check valve



1 x Bubble stone



1 x air tube

Image: A visual representation of the package contents, including the air pump, air tube, air stone, and check valve.

## 4. SETUP

Follow these steps to set up your Fishkeeper air pump:

1. **Connect Air Tube:** Attach one end of the air tube firmly to the air outlet nozzle on the air pump.
2. **Connect Air Stone:** Attach the other end of the air tube to the inlet of the air stone.
3. **Install Check Valve (if necessary):**
  - If the air pump is placed **above** the aquarium water level, a check valve is generally not

required.

- If the air pump is placed **below** the aquarium water level, a check valve **must** be installed in the air tube between the pump and the air stone. This prevents water from flowing back into the pump in case of a power failure.

## WHEN DO YOU NEED TO USE A CHECK VALVE?

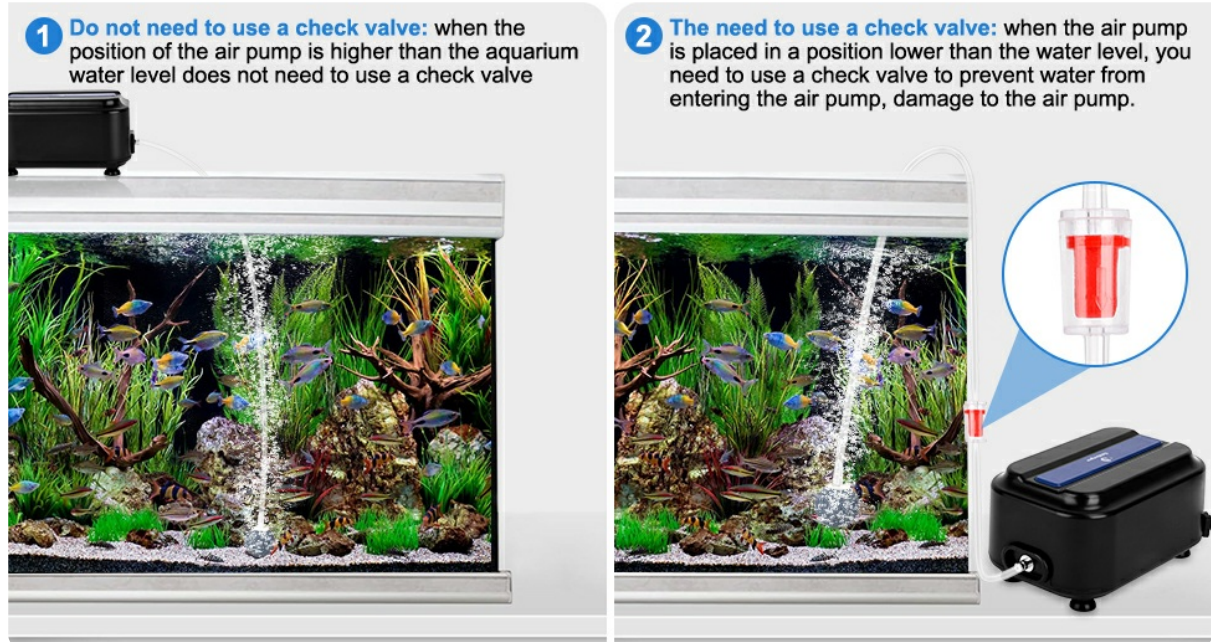


Image: Illustrations demonstrating two scenarios for check valve usage: one where the pump is above the water level (no check valve needed) and one where it's below (check valve required).

4. **Check Valve Orientation:** The check valve has an arrow indicating the direction of air flow. Ensure the arrow points towards the aquarium (away from the pump).

### USE OF THE CHECK VALVE

There is an arrow on the inside of the check valve, follow the direction of the arrow pointing upwards and install the check valve.



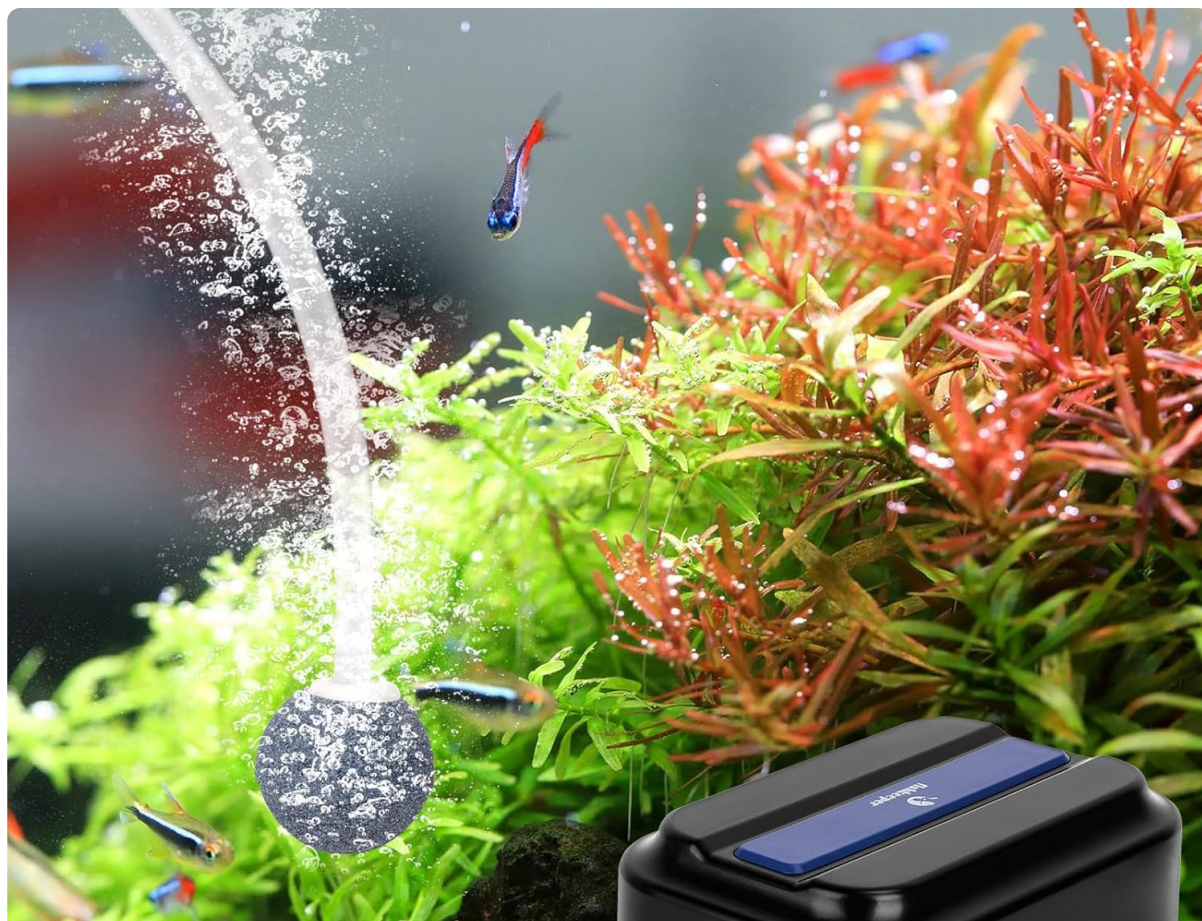
Image: A close-up view of the check valve, clearly showing the 'In' and 'Out' markings and the directional arrow for correct installation.

5. **Place Air Stone:** Submerge the air stone in your aquarium, typically at the bottom, where you desire the bubbles to be released.
6. **Position Pump:** Place the air pump in a suitable location, ensuring it is stable and dry.

## 5. OPERATING INSTRUCTIONS

Once the setup is complete:

1. **Power On:** Plug the air pump into a suitable electrical outlet. The pump will immediately begin to operate, producing air bubbles from the air stone in your aquarium.
2. **Observe Air Flow:** Ensure a steady stream of bubbles is being produced. The air pump is designed to provide continuous aeration.
3. **Continuous Operation:** The pump is designed for continuous operation to maintain oxygen levels in your aquarium.



## INCREASE OXYGEN CONTENT

Suitable for aquariums up to **220L**, can effectively help the circulation of aquarium water and oxygen



Image: The air pump actively increasing oxygen content in an aquarium, with bubbles rising from the air stone, suitable for aquariums up to 220L.

## 6. MAINTENANCE

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

- **Air Stone Cleaning:** Over time, air stones can become clogged with algae or mineral deposits, reducing air flow. Clean or replace the air stone regularly (e.g., monthly) to maintain efficient bubbling.

- **Air Tube Inspection:** Periodically check the air tube for kinks, blockages, or damage. Replace if necessary.
- **Pump Exterior:** Wipe the exterior of the pump with a dry or slightly damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure no water enters the pump.
- **Rubber Feet:** Ensure the rubber feet on the bottom of the pump are intact and clean to maintain noise reduction and prevent vibration.

## 7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No air flow or weak air flow	<ul style="list-style-type: none"> <li>• Power not connected</li> <li>• Air tube kinked or blocked</li> <li>• Air stone clogged</li> <li>• Check valve installed incorrectly or blocked</li> </ul>	<ul style="list-style-type: none"> <li>• Check power connection</li> <li>• Straighten or clear air tube</li> <li>• Clean or replace air stone</li> <li>• Verify check valve direction and clear any blockages</li> </ul>
Excessive noise or vibration	<ul style="list-style-type: none"> <li>• Pump not on a stable surface</li> <li>• Rubber feet missing or damaged</li> <li>• Pump touching other objects</li> </ul>	<ul style="list-style-type: none"> <li>• Place pump on a flat, stable surface</li> <li>• Check and replace rubber feet if necessary</li> <li>• Ensure pump is not touching aquarium walls or other objects</li> </ul>
Water backflow into pump	<ul style="list-style-type: none"> <li>• No check valve installed (pump below water level)</li> <li>• Check valve installed incorrectly</li> </ul>	<ul style="list-style-type: none"> <li>• Install a check valve</li> <li>• Ensure check valve arrow points towards the aquarium</li> </ul>

## 8. SPECIFICATIONS

Parameter	Value (FK022-2.5W)
Model Number	FK022-2.5W
Power Consumption	2.5 W
Maximum Air Flow	150 LPH (Liters Per Hour)
Suitable Aquarium Size	Up to 220 Liters
Dimensions (L x W x H)	13.1 cm x 8.1 cm x 6.1 cm
Material	Acrylonitrile Butadiene Styrene (ABS)
Power Source	Electric Cable
Voltage/Frequency	220V/60Hz

## PRODUCT PARAMETER



Power	2.5W	5.0W	8.0W
Dimension	13.1cm x 8.1cm x 6.1cm	16cm x 10cm x 7cm	18cm x 10.8cm x 7.5cm
Volt/Freq	220V/60hz		

Image: A table detailing the product parameters, including power, dimensions, and voltage/frequency for the 2.5W, 5.0W, and 8.0W models.

## **9. WARRANTY AND SUPPORT**

Fishkeeper is committed to providing high-quality products and a superior shopping experience. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. For specific warranty details, return policies, or technical support, please refer to the product packaging or contact your retailer.

For any inquiries or assistance, please reach out to Fishkeeper customer service through the contact information provided with your purchase or on the official Fishkeeper website.