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› [UPETTOOLS](#) /

› UPETTOOLS ST-5 3.5W Adjustable Dual Outlet Aquarium Air Pump Instruction Manual

UPETTOOLS ST-5

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Model: ST-5 | Brand: UPETTOOLS

1. INTRODUCTION AND OVERVIEW

The UPETTOOLS ST-5 3.5W Adjustable Dual Outlet Aquarium Air Pump is designed to provide essential oxygenation for your fish tank. This powerful and durable aerator pump is suitable for both freshwater and saltwater aquariums ranging from 20 to 160 gallons. Its adjustable airflow feature allows for precise control, ensuring a healthy and stable aquatic environment.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1x UPETTOOLS ST-5 Air Pump (3.5W)
- 2x Air Stones
- 2x 40-inch Airline Tubing
- 2x Control Valves
- 2x Check Valves
- 2x T-shaped Connectors



Image: The UPETTOOLS ST-5 air pump shown with all included accessories: air pump unit, two air stones, two lengths of airline tubing, two control valves, two check valves, and two T-shaped connectors.

3. SAFETY INFORMATION

- Always disconnect the power supply before performing any maintenance or installation.
- Ensure the air pump is placed above the water level of the aquarium to prevent water backflow. If the pump must be placed below the water level, install a check valve on the airline tubing to prevent water from siphoning back into the pump during a power outage.
- Do not immerse the air pump in water. It is designed for dry use only.

- Keep the air pump away from direct sunlight and heat sources.
- Ensure the power cord is not damaged and is routed safely to avoid tripping hazards.
- This product is intended for indoor use with aquariums only.

4. SETUP INSTRUCTIONS

Follow these steps to set up your UPETTOOLS ST-5 Air Pump:

1. **Prepare Tubing:** Cut the provided airline tubing to the desired lengths for your aquarium setup.
2. **Connect to Air Pump:** Securely attach one end of each airline tubing to the dual outlets on the air pump.
3. **Install Check Valves:** If your air pump will be placed below the water level of your aquarium, install a check valve on each airline tubing. Ensure the check valve is oriented correctly to allow air to flow towards the aquarium but prevent water from flowing back towards the pump.
4. **Attach Air Stones:** Connect the other end of each airline tubing to an air stone.
5. **Position Air Stones:** Place the air stones at the bottom of your aquarium.
6. **Secure Pump:** Place the air pump on a stable, dry surface. The anti-noise rubber feet on the bottom help prevent excessive movement and reduce vibration. For further noise reduction, it is recommended to place a dry towel underneath the pump.
7. **Power On:** Plug the air pump into a suitable power outlet.



Image: Diagram illustrating when to use a check valve. A check valve is necessary if the air pump is placed below the water level to prevent backflow. If the pump is higher than the tank, a check valve is not strictly required but can still be used for added safety.



Image: The UPETTOOLS air pump connected to two air stones via clear tubing, demonstrating a typical setup within an aquarium.

Your browser does not support the video tag.

Video: A demonstration of an aquarium air stone bubbler in operation, showing the release of fine bubbles into the water, enhancing oxygenation.

5. OPERATING INSTRUCTIONS

The UPETTOOLS ST-5 Air Pump features an adjustable air volume knob for customized airflow:

- **Adjusting Airflow:** Locate the knob on the side of the air pump. Turn the knob clockwise to increase the airflow and counter-clockwise to decrease it.
- **Optimal Oxygenation:** Adjust the airflow to meet the specific needs of your fish tank. Higher airflow provides more oxygen, which is beneficial for heavily stocked tanks or those with high biological loads.
- **Dual Outlet Control:** The dual outlets allow for even distribution of air or for connecting to multiple air-driven devices.



Gas volume regulation

The air volume can be adjusted as needed



Double hole vent

Get more energy



Strong driving force

The air pump can release a larger amount of air



Thickened shell

Our product quality is more up to standard

Image: Close-up view of the UPETTOOLS air pump, highlighting the adjustable knob for controlling air volume and the dual air outlets.

Small and exquisite

Not taking up extra space, with sufficient air volume



Image: An air stone in an aquarium, demonstrating the difference in bubble intensity from low to high oxygen content, controlled by the air pump's adjustable flow.

6. MAINTENANCE

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

- **Air Stone Cleaning:** Periodically clean the air stones to prevent clogging and maintain efficient bubble production. Clogged air stones can reduce airflow and put strain on the pump.
- **Tubing Inspection:** Check airline tubing for kinks, cracks, or blockages. Replace any damaged tubing.

- **Pump Exterior:** Wipe the exterior of the pump with a dry cloth to keep it clean and free from dust. Do not use harsh chemicals or immerse the pump in water.
- **Check Valve Function:** Ensure check valves are functioning correctly, allowing one-way airflow.

7. TROUBLESHOOTING

If you encounter issues with your air pump, refer to the following common troubleshooting tips:

- **No Airflow or Weak Bubbles:**
 - Check if the power plug is securely connected.
 - Ensure the air stones are not clogged. Clean or replace them if necessary.
 - Inspect the airline tubing for kinks, blockages, or leaks.
 - Verify the air volume adjustment knob is set to an appropriate level.
- **Excessive Noise or Vibration:**
 - Ensure the pump is placed on a flat, stable surface.
 - The pump is designed with soft rubber pads for noise reduction; ensure they are intact.
 - Placing a dry towel underneath the pump can further reduce vibration and noise.
- **Water Backflow into Pump:**
 - This indicates a faulty or incorrectly installed check valve. Replace or correctly install the check valve, especially if the pump is below water level.

8. SPECIFICATIONS

Model	ST-5
Power	3.5W
Air Output	2L/min x 2
Recommended Tank Size	20-160 Gallons
Product Dimensions	14.5 x 8 x 5.5 cm
Weight	550 g
Country of Origin	China

9. WARRANTY AND SUPPORT

For warranty information, technical support, or any product-related inquiries, please contact UPETTOOLS customer service through the retailer where you purchased the product. Keep your purchase receipt as proof of purchase.

