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› fishkeeper Rechargeable Aquarium Air Pump (Model SUS-FK061-2W) - Instruction Manual

fishkeeper SUS-FK061-2W

fishkeeper Rechargeable Aquarium Air Pump

MODEL: SUS-FK061-2W

		Overview	Package Contents	Product			
Features	Setup	Operation	Maintenance	Troubleshooting	Specifications	Safety	
		Information	Warranty & Support				

1. Overview

The fishkeeper Rechargeable Aquarium Air Pump, Model SUS-FK061-2W, is a versatile and portable oxygen pump designed to provide essential aeration for various aquatic environments. With its built-in high-capacity lithium battery, it offers reliable performance for aquariums up to 60 gallons, bait buckets, and critical emergency situations during power outages. Its multi-level noise reduction design ensures a quiet operation, while adjustable flow settings allow for customized air volume.

This device features automatic AC/DC switching, seamlessly transitioning to battery power when the main power supply is interrupted, making it an ideal emergency backup. It is also IP64 waterproof, offering protection against splashes, though it should not be submerged.

MULTI-NOISE REDUCTION

Noise Level < 35 dB

ABS Noise Reduction Enclosure



Full Copper Coil Motor



Rubber Feet



Figure 1.1: Multi-Noise Reduction Design.

2. Package Contents

Please check the package for the following items:

- 1x fishkeeper Aquarium Air Pump
- 1x Air tube
- 1x USB cable
- 1x User manual
- 1x Air stone
- 1x Check Valve

CLIP FOR FIXATION

Can be fixed in any position
Portable and easy to use



Figure 2.1: Package Contents of the fishkeeper Aquarium Air Pump.

3. Product Features and Controls

Familiarize yourself with the components and controls of your air pump:



Figure 3.1: fishkeeper Aquarium Air Pump Features.

- **Battery Indicator / Air Volume Level Indicator:**Flashing lights indicate air flow rate level; constant light indicates power level.
- **Working Mode Indication Key:** Blinking indicates intermittent mode; constant light indicates normal mode.
- **Flow Adjustable Button:** Adjusts the air flow rate.
- **ON/OFF Switch:** Powers the unit on or off.
- **Intermittent Mode Button:** Activates intermittent operation.
- **Clip For Fixation:** Allows the pump to be securely attached to a bucket or tank edge.
- **Denoising Rubber Feet:** Provides stability and reduces operational noise.

PACKAGE INCLUDES



Battery Capacity: 2200mAh	Power: 2W
Flow: 30GPH	Pressure: 0.02Mpa
Noise: <35dB	Size: 4.96*2.95*1.57 inch

Figure 3.2: Stainless Steel Metal Clip for Fixation.

AS AN EMERGENCY PUMP



Figure 3.3: Multiple USB Charging Methods.

The pump is equipped with a 2200mAh high-capacity lithium battery and supports multiple USB charging methods, including standard USB chargers, power banks, car USB chargers, and portable computers.

4. Setup

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

1. **Prepare Air Tube:** Cut the air tube to the desired length. If using a check valve, cut the tube from the middle or any position to insert the valve.
2. **Connect Check Valve (if needed):** If the pump is placed below the water level, a check valve is required to prevent water backflow into the pump. Connect one end of the cut air tube to the pump's air outlet and the other end to the check valve. Ensure the check valve is oriented correctly (refer to diagram).
3. **Attach Air Stone:** Connect the remaining end of the air tube to the air stone.

4. Positioning:

- If the pump is placed **above** the water level, a check valve is optional but recommended.
- If the pump is placed **below** the water level, a check valve is **mandatory** to prevent water from siphoning back into the pump and causing damage.

5. **Secure the Pump:** Use the integrated metal clip to fix the pump in any desired position on the edge of your aquarium or bait bucket. The denoising rubber feet provide additional stability.



Figure 4.1: Installation Steps with Check Valve.



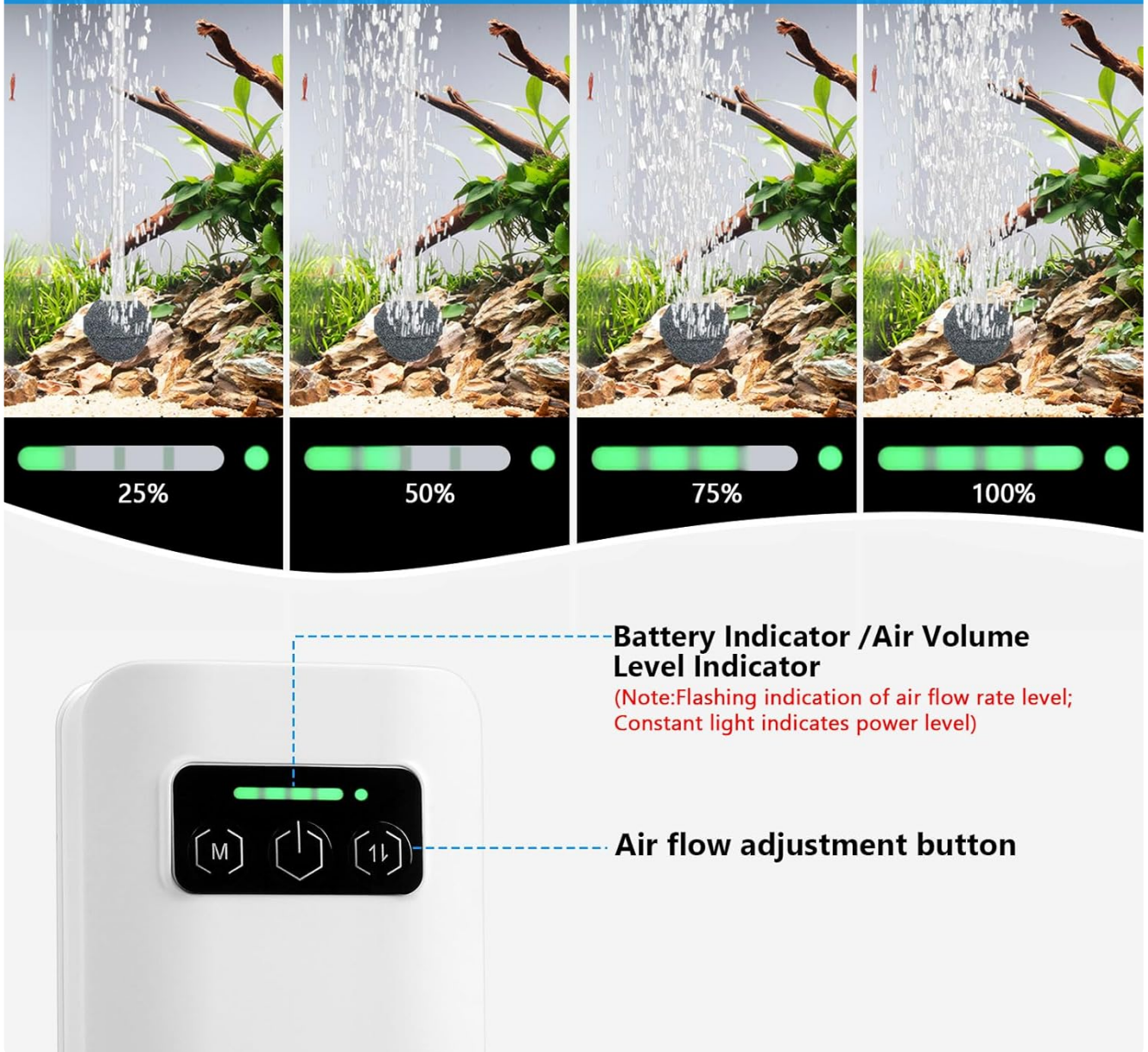
Figure 4.2: Check Valve Usage for Water Backflow Prevention.

5. Operating Instructions

Your fishkeeper air pump offers flexible operation modes and adjustable settings.

1. **Power On/Off:** Press the ON/OFF button to turn the pump on or off. The battery indicator lights will illuminate.
2. **Adjust Flow Rate:** Press the Flow Adjustable Button to cycle through four adjustable flow levels (25%, 50%, 75%, 100%) to meet your specific aeration needs.
3. **Select Working Mode:** Press the Intermittent Mode Button (labeled 'M' or similar) to switch between continuous and intermittent modes.
 - **Continuous Mode:** Provides constant airflow. Offers 40-45 hours of operation on a full charge depending on flow rate.
 - **Intermittent Mode:** Provides airflow in cycles (e.g., 10 seconds on, 10 seconds off). Offers 70-80 hours of operation on a full charge, extending battery life.
4. **Battery Status:** The Battery Indicator / Air Volume Level Indicator shows the current battery charge level. Recharge the unit when the indicator shows low power.
5. **Emergency Use:** The pump automatically switches from AC to DC (battery) power during a power outage, ensuring continuous aeration for your aquatic life.

ADJUSTABLE FLOW DESIGN



Battery Indicator /Air Volume Level Indicator

(Note:Flashing indication of air flow rate level;
Constant light indicates power level)

Air flow adjustment button

Figure 5.1: Adjustable Flow Design.

UP TO 80 HOURS OF RUNTIME

Multiple Airflow Setting modes

Maximum
Continuous Mode

45

Hours



Minimum
Continuous Mode

40

Hours



Maximum
Intermittent Mode

80

Hours



Minimum
Intermittent Mode

70

Hours



Figure 5.2: Runtime in Multiple Airflow Settings.

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Video 5.1: Demonstrates the fishkeeper Rechargeable Aquarium Air Pump in operation, showcasing its stable airflow, adjustable flow rates, and intermittent mode. The video also highlights its quiet operation and emergency power capabilities.

6. Maintenance

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

- **Charging:** Regularly charge the pump using the provided USB cable. Avoid completely draining the battery to prolong its lifespan.
- **Air Stone Cleaning:** Periodically clean or replace air stones to prevent clogging and maintain efficient bubble production.

- **Air Tube Inspection:** Check air tubes for kinks, blockages, or damage. Replace if necessary to ensure unobstructed airflow.
- **Pump Exterior:** Wipe the exterior of the pump with a damp cloth. Do not submerge the pump in water.

7. Troubleshooting

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

Problem	Possible Cause	Solution
No air output or weak airflow	<ul style="list-style-type: none"> ◦ Low battery ◦ Kinked or blocked air tube ◦ Clogged air stone ◦ Pump not turned on 	<ul style="list-style-type: none"> ◦ Recharge the pump ◦ Check and straighten air tube; clear any blockages ◦ Clean or replace air stone ◦ Press the ON/OFF button to activate
Pump is noisy	<ul style="list-style-type: none"> ◦ Vibration on surface ◦ Internal component issue 	<ul style="list-style-type: none"> ◦ Ensure pump is on a stable, flat surface; check rubber feet ◦ Contact customer support if noise persists
Water backflow into pump	<ul style="list-style-type: none"> ◦ Pump placed below water level without check valve ◦ Faulty check valve 	<ul style="list-style-type: none"> ◦ Install a check valve or reposition pump above water level ◦ Replace check valve

8. Specifications

Feature	Detail
Model Number	SUS-FK061-2W
Power	2 W
Air Flow Capacity	30 GPH (113 Liters Per Hour)
Pressure	0.02 Mpa
IP Rating	IP64 Waterproof (Do not soak in water)
Battery Capacity	2200 mAh Lithium Battery
Continuous Mode Runtime	40-45 hours
Intermittent Mode Runtime	70-80 hours
Noise Level	< 35 dB
Dimensions	4.96 x 2.95 x 1.57 inches
Item Weight	12 ounces (0.34 Kilograms)
Material	Acrylonitrile Butadiene Styrene (ABS)

CLIP FOR FIXATION

Can be fixed in any position
Portable and easy to use



Figure 8.1: Detailed Specifications and Dimensions.

9. Safety Information

- Do not submerge the pump in water, despite its IP64 waterproof rating. It is protected against splashes but not immersion.
- Always use a check valve when the pump is placed below the water level to prevent water backflow and potential electrical hazards or pump damage.
- Keep out of reach of children.
- Ensure the USB charging cable and port are dry before connecting to a power source.
- Do not attempt to open or repair the pump yourself. Refer to qualified personnel for service.

10. Warranty & Support

For warranty information or technical support, please refer to the contact details provided in your product packaging or visit the official fishkeeper website. Keep your purchase receipt for warranty claims.