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› FREESEA 100 Watt Aquarium Heater with Thermometer User Manual

FREESEA FS-386 (100 Watt)

FREESEA 100 Watt Aquarium Heater with Thermometer User Manual

Model: FS-386 (100 Watt) | Brand: FREESEA

1. INTRODUCTION AND OVERVIEW

This manual provides essential instructions for the safe and effective use of your FREESEA 100 Watt Aquarium Heater with Submersible Thermometer. This device is designed to maintain a stable water temperature in your aquarium, crucial for the health of aquatic life. It features intelligent temperature control, automatic safety shut-off, and overheating protection. The heater is constructed with thickened quartz glass, suitable for both fresh and saltwater aquariums.

The 100 Watt model is suitable for aquariums ranging from 15 to 25 gallons.

HOW TO CHOOSE



WATTS	POWER CORD LENGTH	AQUARIUM SIZE	TEMPERATURE CONTROL RANGE
50W	4.0FT	5-10 GALLON	63°F~95°F
100W		15-25 GALLON	
300W		40-60 GALLON	

Image: Overview of the FREESEA 100 Watt Aquarium Heater and its components, including the heater unit, suction cups, and submersible thermometer.

2. SETUP INSTRUCTIONS

2.1 Unboxing and Component Check

Carefully remove all components from the packaging. Ensure you have the aquarium heater, suction cups, and the submersible thermometer.

Your browser does not support the video tag.

Video: Demonstrates unboxing the heater and thermometer, including battery installation for the thermometer.

2.2 Thermometer Setup

1. Open the back cover of the digital thermometer.
2. Insert the provided battery, ensuring correct polarity.
3. Close the cover. The temperature should now be displayed.
4. Attach the thermometer to the inside of the aquarium glass using its suction cup, ensuring it is fully submerged and visible.

2.3 Heater Installation

- Attach the suction cups to the heater unit.
- Place the heater inside the aquarium. The heater must be **100% fully submerged** in water at all times during operation.
- The heater can be installed either **vertically or horizontally**. Ensure it is securely attached to the aquarium glass using the suction cups.

Your browser does not support the video tag.

Video: Demonstrates the vertical and horizontal installation options for the aquarium heater, emphasizing full submersion.

CAUTIONS



- 1. Please check whether this product uses a matching power grid voltage. This product can not be repaired or modified by yourself, please ask supplier for suggestion.**
- 2. Heater must be completely submerged in water, can not be exposed above water.**
- 3. Turn off the power supply for 10 minutes before cleaning the tank or maintaining the heater.**
- 4. When removing the heater, please don't pull the power cord directly.**
- 5. The power outlet to which the product is connected must have a leakage disconnect switch.**
- 6. The power socket for heater must have a broken circuit switch.**

Image: Visual representation of important cautions, including the necessity for the heater to be fully submerged.

3. OPERATING INSTRUCTIONS

3.1 Power Connection

Ensure the heater is fully submerged before plugging it into a power outlet. The power supply should match the heater's voltage (110-120V, 60Hz).

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Video: Explains how the heater works, including plugging it in and the indicator light.

3.2 Temperature Adjustment

The heater is equipped with an adjustable temperature range of 63°F to 95°F. To set the desired temperature, gently turn the knob located at the top of the heater. Align the indicator with your preferred temperature setting.



Image: Close-up of the adjustable temperature dial on the heater, showing the temperature range.

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Video: Demonstrates how to adjust the temperature setting on the heater using the top knob.

3.3 Automatic Temperature Control

The heater is equipped with an intelligent automatic constant temperature function. When the water temperature reaches the set value, the heater will automatically stop heating. If the water temperature drops below the set temperature, the heater will automatically resume heating to maintain the desired warmth. An indicator light inside the heater will illuminate when it is actively heating.

HOW IT WORKS

The water temperature reaches the target temperature, and the heater stops working.



Indicator light off:

The heater is not working.



Indicator light on:

The heater is working.



Image: Illustration showing the heater's indicator light, indicating when it is actively heating.

Your browser does not support the video tag.

Video: Explains how long it takes for the heater to warm the water and its automatic temperature regulation.

4. MAINTENANCE

4.1 Cleaning and Water Changes

Always unplug the heater from the power supply for at least 10 minutes before performing any cleaning of the fish tank or conducting water changes. This allows the heater to cool down, preventing thermal shock or damage.

4.2 General Care

- Regularly check the heater for any signs of damage or wear.
- Ensure the suction cups maintain a firm grip on the aquarium glass.
- The heater is designed for hand wash only.

5. SAFETY PRECAUTIONS AND CAUTIONS

- The aquarium heater is for **100% submersible use only**. During its heating time, the heater must be fully submerged into the water. Never operate the heater out of water.
- Please unplug the power supply when cleaning the fish tank or performing aquarium water changes.
- When removing the heater, do not pull the power cord directly. Always grasp the heater unit itself.
- The power outlet to which the product is connected must have a leakage disconnect switch for safety.
- The power socket for the heater must have a broken circuit switch.
- This heater rod is suitable for individuals over 16 years of age. Children or minors should only handle the device under adult guidance or supervision.
- Always check that this product uses a matching power grid voltage (110-120V).
- This product cannot be repaired or modified by yourself. Please contact customer support for assistance.

6. TROUBLESHOOTING

- **Heater not turning on:**
 - Ensure the heater is fully submerged and securely plugged into a working power outlet.
 - Verify the power outlet has a leakage disconnect switch and a broken circuit switch.
 - Check if the set temperature on the heater is higher than the current water temperature. The heater will only activate when the water temperature falls below the set point.
- **Inconsistent water temperature:**
 - Ensure the heater is correctly sized for your aquarium volume (100W for 15-25 gallons).
 - Check for strong water currents directly hitting the heater, which can affect temperature readings.
 - Confirm the thermometer is accurately placed and functioning.
- **Heater light not illuminating:**
 - The light only illuminates when the heater is actively heating. If the water is already at or above the set temperature, the light will be off.
 - If the water temperature is below the set point and the light is still off, check power connections and ensure full submersion.

7. SPECIFICATIONS

Feature	Detail
Model Number	FS-386 (100 Watt Aquarium heater)
Power	100 Watt
Voltage	110-120V
Frequency	60Hz
Aquarium Size Suitability	15-25 Gallons
Temperature Range	63°F - 95°F (17.22°C - 35°C)
Heater Length	13.5 inches
Power Cord Length	4.0 ft
Material	Thickened Quartz Glass
Special Features	Auto Off, Waterproof, Overheating Protection

Feature	Detail
Included Components	Aquarium Heater, Submersible Thermometer, Suction Cups



Image: Chart detailing different wattage heaters, their cord lengths, suitable aquarium sizes, and temperature control ranges.

8. WARRANTY AND SUPPORT

Your FREESEA Aquarium Heater comes with a **12-month warranty**. For any product-related inquiries, issues, or to claim warranty service, please contact our professional after-sales service team. We are committed to providing **24-hour support** to ensure your satisfaction. In the unlikely event that you are not satisfied with your product, please contact us for a replacement.



