

[Manuals.plus](#) /

› [Sunnydaze Decor](#) /

› Sunnydaze Submersible Water Fountain Pump JR-450 User Manual

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Sunnydaze Submersible Water Fountain Pump JR-450 User Manual

Model: JR-450

INTRODUCTION

This manual provides instructions for the safe and efficient operation, installation, and maintenance of your Sunnydaze Submersible Water Fountain Pump, Model JR-450. This pump is designed for use in fountains, hydroponic systems, and aquaponics, suitable for both indoor and outdoor applications.



Image: The Sunnydaze Submersible Water Fountain Pump JR-450 shown partially submerged in water, demonstrating its intended use.

SAFETY INFORMATION

WARNING:

- Always disconnect the pump from the power supply before handling, installing, or performing any maintenance.
- Do not operate the pump if the power cord or plug is damaged.
- Ensure the pump is fully submerged in water during operation to prevent overheating.
- This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

- Do not lift the pump by its power cord.
- Use only with a properly grounded outlet.

PACKAGE CONTENTS

- 1 x Sunnydaze Submersible Water Fountain Pump (Model JR-450)
- 2 x Hose Adapters

- 1 Pump features an adjustable flow rate
- 2 Two hose adapters
- 3 Electrical cord reaches 6-feet



Image: The pump unit, its attached power cord, and the two included hose adapters.

SPECIFICATIONS

Model Number	JR-450
Brand	Sunnydaze Decor

Material	Plastic
Power Source	Corded Electric
Voltage	110 Volts
Flow Rate	120 Gallons Per Hour (GPH)
Max Lift Height	3.1 feet
Cord Length	6 feet
Dimensions (Approx.)	1.75 in (H) x 2 in (W) x 2.5 in (D)
UPC	815008027801



Image: A diagram illustrating the compact dimensions of the pump, including height, width, and depth measurements.

SETUP

- Choose Location:** Place the pump in the desired location within your fountain, hydroponic system, or aquaponics setup. Ensure it is on a stable surface. The integrated suction cups on the bottom of the pump can be used to secure it to a smooth surface.
- Attach Hose:** Select the appropriate hose adapter for your tubing size. Attach one end of your tubing (not included) to the pump's outlet nozzle and the other end to your water feature or system.
- Submerge Pump:** Ensure the pump is fully submerged in water before connecting to power. Operating the pump dry will cause damage.
- Connect Power:** Plug the pump's power cord into a properly grounded electrical outlet.



Image: The underside of the pump, highlighting the four suction cups designed to firmly attach the pump to a smooth surface.

OPERATING INSTRUCTIONS

1. **Start Pump:** Once the pump is submerged and connected to power, it will begin operating.
2. **Adjust Flow Rate:** The pump features an adjustable flow rate. Locate the flow control switch on the side of the pump (if applicable, typically a small lever or dial) and adjust it to achieve your desired water flow.
3. **Monitor Water Level:** Regularly check the water level to ensure the pump remains fully submerged. Low water levels can lead to pump damage.
4. **Shut Down:** To turn off the pump, simply disconnect it from the power supply.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your pump.

1. **Cleaning:**
 - Disconnect the pump from the power supply.
 - Remove the pump from the water.
 - Disassemble the pump cover and impeller housing (refer to diagrams if available, though none are provided in input).
 - Clean any debris, algae, or mineral buildup from the impeller and pump housing using a soft brush and clean water. For stubborn mineral deposits, a mild vinegar solution can be used.

- Rinse all components thoroughly and reassemble.

2. Winterization (for outdoor use):

- Before freezing temperatures arrive, disconnect the pump and remove it from the water.
- Clean the pump thoroughly as described above.
- Store the pump in a dry, frost-free location until spring.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not operate.	No power; clogged impeller; damaged motor.	Check power connection and outlet. Disconnect power and clean impeller. If motor is damaged, replace pump.
Reduced water flow.	Clogged intake or impeller; low water level; flow control set too low.	Disconnect power and clean intake/impeller. Add water to ensure pump is fully submerged. Adjust flow control to a higher setting.
Pump is noisy.	Debris in impeller; pump not fully submerged; pump vibrating against surface.	Disconnect power and clean impeller. Ensure pump is fully submerged. Reposition pump or use suction cups to secure it.

WARRANTY

This Sunnydaze Submersible Water Fountain Pump is covered by a **1-Year Manufacturer's Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.



Image: A graphic indicating a 1-year warranty provided by Sunnydaze Decor, a U.S. based seller.

SUPPORT

For further assistance, troubleshooting, or warranty inquiries, please contact Sunnydaze Decor customer service. You can find more information and contact details on the official Sunnydaze Decor store page:

[Visit the Sunnydaze Decor Store on Amazon](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question