

SUNSUN HJ-2500

SUNSUN HJ-2500 Multi-Function Submersible Water Pump User Manual

INTRODUCTION

Thank you for choosing the SUNSUN HJ-2500 Multi-Function Submersible Water Pump. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your pump. The HJ-2500 is designed for various aquatic applications, including biofloc fish tanks, aquariums, ponds, and fountains, offering reliable water circulation, filtration, and oxygenation.

IMPORTANT SAFETY INSTRUCTIONS

Please read and understand all safety instructions before operating this appliance to prevent injury or damage.

- Always disconnect the pump from the power supply before performing any maintenance, cleaning, or handling.
- Ensure the pump is fully submerged in water during operation to prevent overheating and damage.
- Do not operate the pump if the power cord or plug is damaged. Contact qualified personnel for repair or replacement.
- This pump is designed for water use only. Do not use it for flammable liquids or other substances.
- Keep children and pets away from the pump and electrical connections during operation.
- Ensure the electrical outlet is properly grounded and protected by a Ground Fault Circuit Interrupter (GFCI) for safety.
- Do not lift the pump by its power cord.

PRODUCT FEATURES

- **Multi-Functionality:** Capable of pumping, filtering, and increasing oxygen levels.
- **Submersible Design:** Engineered for complete submersion in water.

- **Durable Construction:** Features a high-performance magnetic drive with a ceramic shaft for wear resistance and long service life.
- **Versatile Use:** Suitable for both fresh and saltwater environments, as it does not contain copper elements.
- **Easy Maintenance:** Designed for tool-free disassembly, simplifying cleaning procedures.
- **Adaptable Outlet:** Multi-stage outlet allows connection to various pipe diameters.
- **Robust Casing:** Pump body and casing are made from high-quality, anti-corrosive, and durable plastic.
- **Efficient Operation:** High efficiency and energy-saving design with quiet performance.

SETUP GUIDE

Follow these steps to properly set up your SUNSUN HJ-2500 water pump:

1. **Unpack the Pump:** Carefully remove the pump and all accessories from the packaging. Inspect for any damage.
2. **Connect Outlet Pipe:** Attach the appropriate diameter hose or pipe to the multi-stage outlet nozzle on top of the pump. Ensure a secure connection to prevent leaks.
3. **Placement:** Position the pump in your aquarium, pond, or fountain. Ensure it rests on a stable surface and is fully submerged in water. The pump should not be placed directly on sand or gravel to avoid clogging.
4. **Cable Management:** Route the power cord safely, ensuring it does not create a tripping hazard and is not kinked or pinched.
5. **Power Connection:** Once the pump is correctly positioned and submerged, plug the power cord into a grounded electrical outlet with GFCI protection.



This image displays the SUNSUN HJ-2500 submersible water pump from a side perspective. The pump features a compact black plastic housing with a ribbed water outlet nozzle extending upwards from the top. The power cord is visible on the left side, entering the pump body. The design indicates a robust and functional unit suitable for various aquatic

OPERATING INSTRUCTIONS

Once the pump is set up according to the instructions above:

1. Ensure the pump is fully submerged in water.
2. Connect the power plug to a suitable electrical outlet. The pump will start operating immediately.
3. Observe the water flow to ensure proper function.
4. To stop operation, simply disconnect the power plug from the outlet.

MAINTENANCE

Regular cleaning and maintenance are crucial for the longevity and optimal performance of your pump.

1. **Disconnect Power:** Always unplug the pump from the electrical outlet before any maintenance.
2. **Disassemble:** The pump is designed for tool-free disassembly. Carefully separate the pump housing components to access the impeller.
3. **Clean Impeller and Housing:** Remove any debris, algae, or mineral buildup from the impeller, impeller chamber, and pump housing. A soft brush and clean water can be used.
4. **Inspect Ceramic Shaft:** Check the ceramic shaft for any signs of wear, cracks, or damage. Replace if necessary.
5. **Reassemble:** Carefully reassemble all components, ensuring they fit securely.
6. **Test:** Submerge the pump and reconnect power to test its operation.

TROUBLESHOOTING

If you encounter issues with your pump, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Pump does not start	No power supply; Impeller jammed; Damaged motor.	Check power connection and outlet; Disconnect power and clean impeller; Contact support if motor is damaged.
Low water flow	Clogged intake or impeller; Kinked or blocked outlet hose; Insufficient water level.	Disconnect power and clean intake/impeller; Clear hose obstruction; Ensure pump is fully submerged.
Excessive noise or vibration	Debris in impeller; Impeller worn or damaged; Pump not stable.	Disconnect power and clean impeller; Inspect and replace impeller if damaged; Ensure pump is on a flat, stable surface.
Pump stops intermittently	Overheating (due to low water level or blockage); Loose power connection.	Check water level and clear blockages; Secure power connection.

TECHNICAL SPECIFICATIONS

Model	HJ-2500
Power Consumption	45 Watt
Maximum Flow Rate (Discharge)	2500 Liters Per Hour (LPH)
Maximum Lifting Height (Head)	2.7 Meters / 8.7 Feet
Material	High-Quality Plastic
Power Source	Corded Electric
Item Weight	1000 Grams
Manufacturer Part Number	GEHJ-2500SUN

WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your SUNSUN HJ-2500 pump, please contact the manufacturer directly.

Manufacturer: Sensen Group

Contact Email: grengo.engineers@gmail.com