

[Manuals.plus](#) /

> [Sobo](#) /

> Sobo WP-4000 Sump Pump Instruction Manual

Sobo WP-4000

Sobo WP-4000 Sump Pump Instruction Manual

Model: WP-4000 | Brand: Sobo

PRODUCT OVERVIEW

The Sobo WP-4000 is a submersible sump pump designed for efficient water circulation in both freshwater and saltwater aquarium environments. This pump features a maximum head capacity of 2.0 meters and a flow rate of 2000 liters per hour, making it suitable for various aquarium setups requiring reliable water movement.



Figure 1: Sobo WP-4000 Sump Pump. This image shows the compact design of the submersible pump with its power cable.

SAFETY INSTRUCTIONS

- Always disconnect the power supply before performing any maintenance or installation.
- Ensure the pump is fully submerged in water during operation to prevent overheating.
- Do not operate the pump if the power cord or plug is damaged.
- This pump is designed for indoor aquarium use only.
- Keep out of reach of children.

SETUP GUIDE

1. **Unpack and Inspect:** Carefully remove the pump from its packaging. Inspect all components for any signs of damage. Ensure all parts, including the pump body, impeller, and power cord, are intact.
2. **Attach Tubing:** Connect appropriate tubing (not included) to the pump's outlet nozzle. Ensure a secure fit to prevent leaks.
3. **Placement:** Place the pump securely at the bottom of your sump or aquarium. Ensure it is stable and will not shift during operation. The pump must be fully submerged in water.
4. **Electrical Connection:** Route the power cord safely, avoiding kinks or sharp bends. Plug the pump into a grounded electrical outlet. Ensure a drip loop is formed to prevent water from traveling along the cord to the outlet.
5. **Initial Test:** Once submerged and connected, power on the pump to ensure proper water flow. Check for any unusual noises or vibrations.

OPERATING INSTRUCTIONS

- **Power On:** After setup, plug the pump into a suitable power outlet. The pump will begin circulating water immediately.
- **Continuous Operation:** The Sobo WP-4000 is designed for continuous operation. Monitor water flow and pump performance regularly.
- **Power Off:** To stop the pump, simply unplug it from the power outlet. Always unplug before handling the pump or performing any maintenance.
- **Water Level:** Always ensure the water level in your aquarium or sump is sufficient to keep the pump fully submerged. Running the pump dry will cause damage and void the warranty.

MAINTENANCE

Regular maintenance is crucial for the longevity and efficient operation of your Sobo WP-4000 pump.

1. **Disconnect Power:** Always unplug the pump from the power source before any maintenance.
2. **Cleaning the Impeller:**
 - Carefully remove the pump from the water.
 - Disassemble the front cover and impeller housing (refer to diagrams if available, though none provided in JSON).
 - Remove the impeller and clean it thoroughly with a soft brush under running water. Remove any debris, algae, or mineral deposits.
 - Clean the impeller chamber and shaft.
 - Reassemble the pump, ensuring all parts are correctly seated.
3. **Check for Blockages:** Periodically check the intake and outlet for any blockages from debris, plant matter,

or detritus. Clear any obstructions immediately.

- 4. Power Cord Inspection:** Regularly inspect the power cord for any signs of wear, cuts, or damage. Replace the pump if the cord is damaged.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump does not start or runs intermittently.	No power; Impeller jammed; Airlock.	Check power connection. Disconnect power, clean impeller. Ensure pump is fully submerged and free of air bubbles.
Low water flow.	Clogged intake/outlet; Dirty impeller; Kinked tubing; Insufficient water level.	Clean intake/outlet. Clean impeller. Straighten tubing. Ensure pump is fully submerged.
Excessive noise or vibration.	Impeller damaged or dirty; Pump not stable; Air in pump.	Disconnect power, inspect and clean/replace impeller. Secure pump firmly. Gently shake pump to release trapped air.
Pump runs dry.	Insufficient water level.	Immediately unplug the pump. Refill water to ensure the pump is fully submerged before restarting. Running dry can cause permanent damage.

SPECIFICATIONS

Feature	Detail
Brand	Sobo
Model	WP-4000
Power (Wattage)	40W
Maximum Flow Rate	2000 Liters/hour
Maximum Lift Height	2.0 Meters
Product Weight	800 Grams
Power Source	Wired Electric
Style/Design	Submersible

WARRANTY INFORMATION

This product comes with a standard manufacturer's warranty. Please retain your proof of purchase for any warranty claims. The warranty typically covers defects in materials and workmanship under normal use. Damage resulting from improper installation, misuse, neglect, or unauthorized modifications is not covered. For specific warranty terms and duration, please refer to the documentation provided with your purchase or contact the retailer.

CUSTOMER SUPPORT

If you encounter any issues not covered in the troubleshooting section or require further assistance, please contact your retailer or the manufacturer's customer support. Have your product model number (WP-4000) and purchase details ready when contacting support.

For general inquiries, you may visit the official Sobo website (if available) or consult your local aquarium supply specialist.