

SunSun HXS-03

SunSun Multi-Function Electric Water Changer HXS-03 20W User Manual

Model: HXS-03

1. INTRODUCTION

Thank you for choosing the SunSun Multi-Function Electric Water Changer HXS-03 20W. This device is designed to simplify aquarium maintenance by providing efficient water changing and substrate cleaning capabilities. Its powerful 20W motor ensures strong suction for effective removal of dirt and debris from your freshwater or marine tank. This manual provides detailed instructions for the safe and proper use, assembly, operation, and maintenance of your water changer.

2. SAFETY INSTRUCTIONS

Please read all safety warnings and instructions carefully before using this product to prevent injury or damage. Keep this manual for future reference.

- Ensure the power supply voltage matches the rating on the device.
 - Do not operate the device with a damaged cord or plug. If damaged, contact qualified service personnel.
 - This device is fully submersible, but the power adapter and electrical connections must remain dry.
 - Always unplug the device from the power outlet before performing any maintenance, cleaning, or when not in use.
 - Do not use the device for purposes other than its intended use (aquarium water changing and cleaning).
 - Keep out of reach of children.
 - Avoid running the pump dry for extended periods, as this can cause damage.
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3. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the parts of your Sunsun HXS-03 Electric Water Changer.



Figure 3.1: Sunsun HXS-03 Electric Water Changer and its retail packaging.



Figure 3.2: Detailed view of the water changer, showing the handle, filter chamber, motor unit, and suction nozzle.

Components:

- **Handle/Control Unit:** Ergonomic grip with power switch.
- **Filter Chamber:** Houses the fine mesh filter for closed-circuit cleaning.
- **Motor Unit:** Contains the 20W pump.

- **Extension Tubes:** Adjustable length for varying aquarium depths (minimum 40cm, maximum 115cm).
- **Suction Nozzle:** Wide diameter (5cm) for efficient debris collection.
- **Outlet Hose Connector:** For attaching an external hose for water changes.
- **Power Adapter:** Connects the unit to the mains supply.

4. SETUP AND ASSEMBLY

Follow these steps to assemble your water changer:

1. **Unpack:** Carefully remove all components from the packaging.
2. **Connect Extension Tubes:** Attach the desired number of extension tubes to achieve the appropriate length for your aquarium. The tubes securely twist or click into place.
3. **Attach Suction Nozzle:** Securely connect the suction nozzle to the end of the last extension tube.
4. **Attach Filter Chamber:** Connect the filter chamber to the main motor unit. Ensure the mesh filter is properly seated inside.
5. **Connect Handle:** Attach the handle/control unit to the top of the assembly.
6. **Power Connection:** Connect the power adapter to the motor unit. Ensure the power adapter is placed in a dry area, away from water splashes.

Your water changer is now ready for operation.

5. OPERATING INSTRUCTIONS

The Sunsun HXS-03 offers two primary modes of operation: closed-circuit cleaning and open-circuit water changing/cleaning.



5.1. Closed-Circuit Cleaning (Desilting)

This mode allows you to clean the substrate without removing water from the aquarium. Dirt and debris are trapped in the internal mesh filter, and purified water is returned to the tank.

1. Ensure the outlet hose is **not** connected. The water will circulate back into the tank through the filter chamber.
2. Submerge the suction nozzle into the aquarium, ensuring the motor unit is fully submerged.
3. Plug in the power adapter. The pump will start.
4. Gently move the suction nozzle over the substrate to vacuum up dirt and debris. The powerful suction will lift particles without disturbing the gravel excessively.
5. Continue until the desired area is clean or the filter mesh appears dirty.
6. Unplug the device from the power outlet before removing it from the water.

5.2. Open-Circuit Water Changing and Cleaning

This mode allows you to clean the substrate while simultaneously performing a partial water change.

1. Attach a suitable outlet hose (not included) to the outlet hose connector on the filter chamber. Direct the other end of the hose to a bucket or drain.
2. Submerge the suction nozzle into the aquarium, ensuring the motor unit is fully submerged.
3. Plug in the power adapter. The pump will start, and water will begin to flow out through the hose.
4. Move the suction nozzle over the substrate to vacuum up dirt. The dirty water will be pumped out of the tank.
5. Monitor the water level in your aquarium and the amount of water being removed.
6. Once the desired amount of water has been removed and cleaning is complete, unplug the device from the power outlet before removing it from the water.
7. Proceed with refilling your aquarium with conditioned water as per your regular maintenance routine.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Sunsun HXS-03 Electric Water Changer.

1. **Filter Mesh Cleaning:** After each use, especially in closed-circuit mode, the internal mesh filter will collect debris.
 - Unplug the device and remove it from the water.
 - Disassemble the filter chamber.
 - Remove the mesh filter and rinse it thoroughly under clean running water until all trapped debris is removed.
 - Reassemble the filter chamber, ensuring the mesh is correctly seated.
2. **Nozzle and Tube Cleaning:** Rinse the suction nozzle and extension tubes with clean water to prevent buildup of algae or debris.

3. **Motor Unit:** While the motor unit is waterproof, avoid disassembling it unless specifically instructed by a qualified technician. Rinse the exterior with clean water.
4. **Storage:** Store the device in a clean, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

If you encounter issues with your water changer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not turn on.	No power supply; loose connection; faulty power adapter.	Check power outlet; ensure all connections are secure; test power adapter if possible.
Low suction power.	Clogged filter mesh; obstruction in suction nozzle or tubes; pump running dry.	Clean the filter mesh; check for and remove any blockages; ensure pump is fully submerged.
Water not flowing out in open-circuit mode.	Outlet hose kinked or blocked; pump not fully submerged.	Check and clear the outlet hose; ensure pump is fully submerged.
Unusual noise from motor.	Debris in pump impeller; pump running dry.	Unplug and inspect the impeller area for debris (if accessible and safe); ensure pump is fully submerged.

If the problem persists after trying these solutions, please contact SunSun customer support or your retailer for assistance.

8. SPECIFICATIONS

Feature	Detail
Model	HXS-03
Power	20W
Flow Rate (Adjustable)	Up to 1000 L/h (approx.)
Minimum Desilter Length	40 cm
Maximum Desilter Length	115 cm
Suction Part Diameter	5 cm
Submersibility	Fully submersible (pump unit)
Item Weight	936 g

Feature	Detail
Country of Origin	China

9. WARRANTY AND SUPPORT

For warranty information, please refer to the terms and conditions provided at the time of purchase or contact your retailer. SunSun products are designed for reliable performance, and proper use and maintenance as outlined in this manual will help ensure its longevity.

If you require technical assistance or have questions not covered in this manual, please contact SunSun customer support or the authorized dealer from whom you purchased the product. Please have your model number (HXS-03) and purchase details ready when contacting support.