



Manuals.plus /

› SunSun /

› SunSun Aquanature Xiaoli New Xwa Series Premium Aquarium External Canister Filter (XWA-1000U-5) Instruction Manual

SunSun XWA-1000U-5

SunSun Aquanature Xiaoli New Xwa Series Premium Aquarium External Canister Filter (XWA-1000U-5) Instruction Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your SunSun Aquanature Xiaoli New Xwa Series Premium Aquarium External Canister Filter, model XWA-1000U-5. Please read this manual thoroughly before use to ensure proper function and safety.

2. SAFETY INSTRUCTIONS

- Always disconnect power to the filter and any other aquarium equipment before performing maintenance or handling the unit.
- Ensure the filter is placed on a stable, level surface below the aquarium water level to facilitate proper water flow.
- Do not operate the filter if the power cord or plug is damaged.
- This appliance is for indoor use only and should not be exposed to water splashes or rain.
- The UV lamp inside the filter emits ultraviolet radiation. Never look directly at the UV lamp when it is operating. Ensure the unit is fully assembled and sealed before powering on the UV function.
- Keep out of reach of children.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking:

- SunSun XWA-1000U-5 External Canister Filter Unit
- Inlet and Outlet Hose Adapters
- Inlet and Outlet Tubing (16mm water tube, 1.8M*2)

- Filter Media Baskets (5 layers)
- Standard Filter Media (e.g., white filter cotton)
- Suction Cups and Clips for Hoses
- Instruction Manual



Figure 1: SunSun XWA-1000U-5 Canister Filter showing overall dimensions (25.4x25.4x48cm) and included inlet/outlet accessories and tubing.

4. PRODUCT FEATURES

- **Model:** XWA-1000U-5
- **Power:** 26W
- **Maximum Flow Rate:** 1400 L/H
- **Maximum Lift:** 2.0m
- **UV Lamp Power:** 9W (for model XWA-1000U-5)
- **Filtration Stages:** 5-layer filter basket system for comprehensive mechanical, biological, and chemical filtration.
- **Integrated UV Sterilizer:** Helps inhibit bacteria and algae growth, promoting clear water.
- **Adjustable Flow Control:** Allows regulation of water flow to suit aquarium needs.
- **Quick Disconnect Couplings:** For easy maintenance and hose removal.
- **Self-Priming Pump:** Simplifies initial setup.

5. COMPONENTS OVERVIEW

Familiarize yourself with the main parts of the filter:

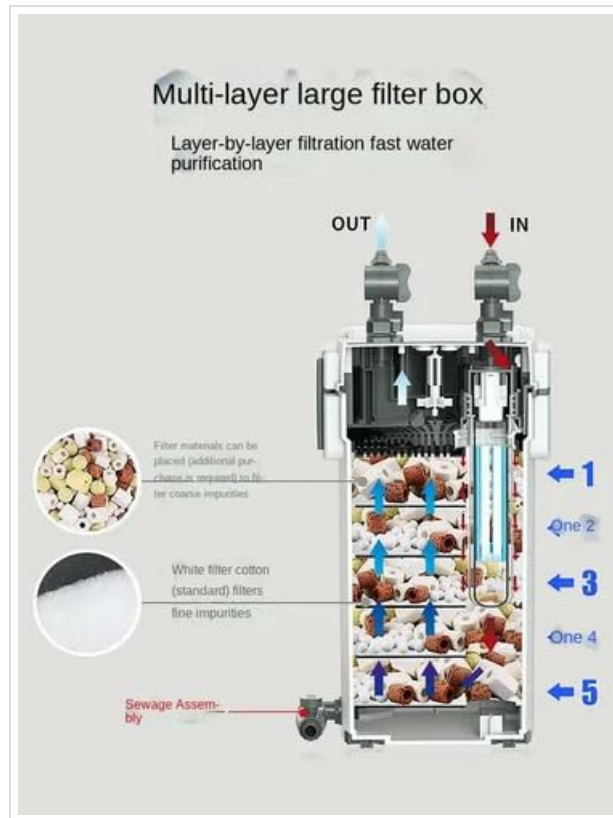
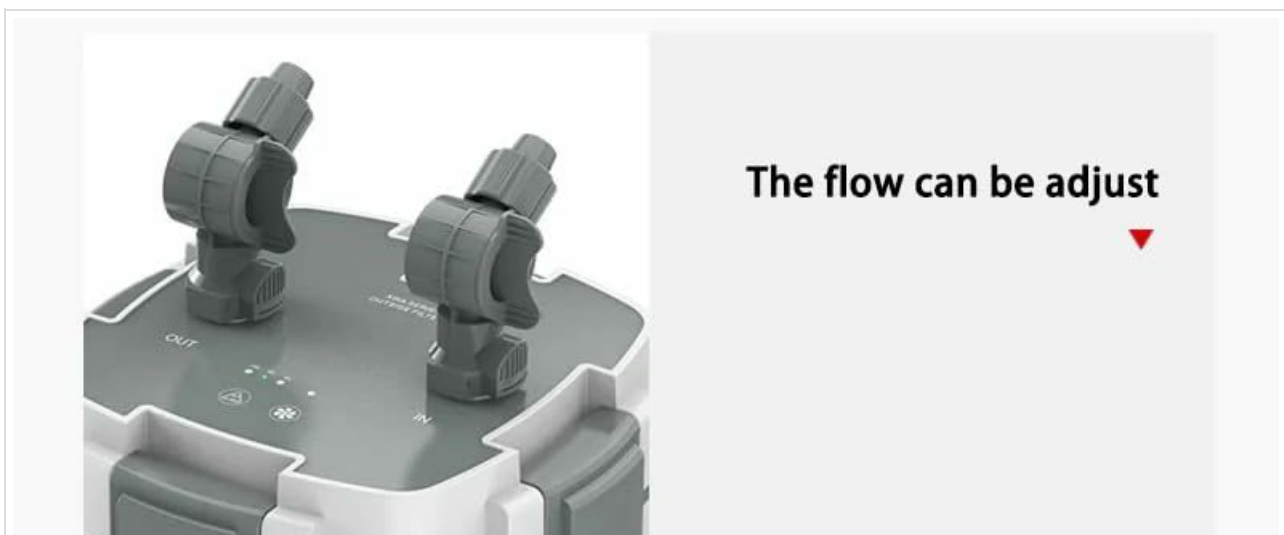


Figure 2: Internal structure of the filter, illustrating the multi-layer filter baskets and the water flow direction (IN to OUT) through the five filtration stages. It also shows the location for additional filter materials and standard white filter cotton.

- **Filter Head:** Contains the pump, UV lamp, and electrical connections.
- **Canister Body:** Houses the filter media baskets.
- **Filter Media Baskets:** Stackable trays for various filter media.
- **Inlet/Outlet Valves:** Control water flow and allow hose disconnection.
- **Inlet/Outlet Hoses:** Connect the filter to the aquarium.
- **Inlet Strainer:** Prevents large debris from entering the filter.
- **Spray Bar/Outlet Nozzle:** Disperses filtered water back into the aquarium.
- **Priming Button/Lever:** Used to initiate water flow during setup.
- **Drain Valve:** Located at the bottom for easy water drainage (present on XWA-1000U-5).



Outlet water tube



Handle filter basket



The cover seal ring



Figure 3: Detailed views of key components: the flow adjustment mechanism, the outlet water tube, a filter basket with handle, and the cover seal ring, highlighting user-friendly design elements.

6. SETUP INSTRUCTIONS

1. **Unpack and Inspect:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Prepare Filter Media:**
 - Rinse all filter media (especially mechanical media like sponges and ceramic rings) thoroughly under tap

water to remove any dust or debris.

- Arrange the media in the baskets. Typically, mechanical filtration (coarse sponges) goes in the bottom basket, followed by biological media (ceramic rings, bio-balls), and then finer mechanical filtration (fine sponges, filter floss) in the top baskets. Activated carbon or other chemical media can be placed in a middle basket if desired.
- Ensure the UV lamp is securely installed in its designated compartment within the filter head or top basket, if applicable.

3. Assemble Canister: Stack the filled filter baskets into the canister body. Ensure the rubber gasket on the filter head is clean and properly seated. Securely attach the filter head to the canister body using the locking clips.

4. Connect Hoses:

- Attach the inlet and outlet hose adapters to the filter head.
- Connect the provided tubing to the adapters.
- Install the inlet strainer and outlet spray bar/nozzle assembly inside the aquarium using the suction cups and clips. Ensure the inlet strainer is positioned near the bottom of the tank and the outlet is near the surface for good water circulation.
- Route the hoses neatly, avoiding kinks. Ensure the filter is placed below the aquarium water level.

5. Fill and Prime the Filter:

- Open the inlet and outlet valves on the filter head.
- Use the priming button/lever on the filter head to manually pump water into the filter until it is completely filled and water flows freely through the outlet hose. Alternatively, you can pour water directly into the inlet hose from the aquarium until the filter is full.
- Ensure all air is expelled from the filter and hoses.



Figure 4: Illustrates the process of manually priming the filter by pouring water into the inlet hose, ensuring the filter is filled before starting operation.

6. **Power On:** Once the filter is fully primed and water is flowing, plug the power cord into a grounded electrical outlet. The pump will start, and water will begin circulating.
7. **Check for Leaks:** Carefully inspect all connections for any leaks. Tighten connections if necessary.

7. OPERATING INSTRUCTIONS

- **Initial Operation:** After setup, the filter will begin circulating and filtering water. It may take a few hours for the water to clear completely, especially in a new setup.
- **Flow Adjustment:** The filter features an adjustable flow control. Rotate the lever on the inlet/outlet valve assembly to increase or decrease the water flow rate as needed for your aquarium.
- **UV Lamp Operation:** The XWA-1000U-5 model includes a 9W UV lamp. This lamp operates continuously

when the filter is powered on. The UV light helps control free-floating algae and harmful bacteria.

- **Monitoring:** Regularly check the water flow rate. A decrease in flow often indicates that the filter media needs cleaning.

8. MAINTENANCE

Regular maintenance is crucial for optimal filter performance and water quality.

8.1 Routine Cleaning (Every 2-4 Weeks, or as needed)

1. **Disconnect Power:** Always unplug the filter from the power outlet before any maintenance.
2. **Close Valves:** Close the inlet and outlet valves on the filter head to prevent water backflow.
3. **Disconnect Hoses:** Use the quick-release mechanism to detach the hose assembly from the filter head.
4. **Transport Filter:** Carefully move the filter to a suitable cleaning area (e.g., a sink or bucket).
5. **Open Canister:** Release the locking clips and remove the filter head.
6. **Clean Media:**
 - Remove filter media baskets.
 - Rinse mechanical media (sponges, floss) thoroughly in old aquarium water (from a water change) to preserve beneficial bacteria. Avoid using tap water directly on biological media unless absolutely necessary, as chlorine can kill beneficial bacteria.
 - Clean the inside of the canister body and filter head.
7. **Reassemble:** Reassemble the filter in reverse order, ensuring all seals are clean and properly seated. Prime the filter as described in the setup section before reconnecting power.

8.2 UV Lamp Replacement (Every 6-12 Months)

The effectiveness of the UV lamp diminishes over time. Replace it annually or bi-annually for optimal performance.

1. **Disconnect Power:** Unplug the filter.
2. **Access UV Compartment:** Follow instructions for opening the filter head to access the UV lamp.
3. **Replace Lamp:** Carefully remove the old UV lamp and insert a new, compatible 9W UV lamp. Avoid touching the glass of the new lamp with bare hands.
4. **Reassemble:** Securely reassemble the filter head and canister.

8.3 Impeller Cleaning

If the filter runs noisily or with reduced flow, the impeller may be obstructed. Disconnect power, remove the filter head, and carefully remove the impeller cover to clean the impeller and its shaft.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Filter not starting / No power	<ul style="list-style-type: none"> ◦ Power cord unplugged ◦ Power outage ◦ Faulty outlet 	<ul style="list-style-type: none"> ◦ Check power connection ◦ Test outlet with another appliance
Reduced water flow	<ul style="list-style-type: none"> ◦ Clogged filter media ◦ Kinked hoses ◦ Dirty impeller ◦ Air in the system 	<ul style="list-style-type: none"> ◦ Clean filter media (Section 8.1) ◦ Straighten hoses ◦ Clean impeller (Section 8.3) ◦ Re-prime the filter (Section 6, Step 5)
Filter making excessive noise	<ul style="list-style-type: none"> ◦ Air trapped in filter ◦ Dirty or damaged impeller ◦ Filter not level 	<ul style="list-style-type: none"> ◦ Re-prime the filter to remove air ◦ Clean/inspect impeller (Section 8.3) ◦ Ensure filter is on a stable, level surface
Water leaking from filter	<ul style="list-style-type: none"> ◦ Improperly sealed filter head ◦ Damaged O-ring/gasket ◦ Loose hose connections 	<ul style="list-style-type: none"> ◦ Ensure locking clips are fully engaged ◦ Inspect and clean/replace O-ring/gasket ◦ Tighten all hose connections
Green water / Algae bloom (despite UV)	<ul style="list-style-type: none"> ◦ Aged UV lamp ◦ Excess nutrients in water ◦ Overstocking/overfeeding 	<ul style="list-style-type: none"> ◦ Replace UV lamp (Section 8.2) ◦ Perform water changes, reduce feeding, check lighting duration

10. SPECIFICATIONS

Feature	Detail
Model	XWA-1000U-5
Brand	SunSun Aquanature Xiaoli
Power Consumption	26W
UV Lamp Power	9W
Maximum Flow Rate	1400 L/H
Maximum Lift	2.0m
Filter Baskets	5 Layers
Dimensions (L x W x H)	25.4 x 25.4 x 48 cm
Item Weight	7.25 kg
Suitable for Aquarium Size	Up to 1.2m (approx. 300-400 liters, depending on stocking)

11. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact your retailer. Keep your proof of purchase for warranty claims.