

Tararium CTUV-H4F

Tararium H4F Aquarium Filter with UV Lamp User Manual

Model: CTUV-H4F

INTRODUCTION

The Tararium H4F Aquarium Filter is a 4-in-1 submersible pump system designed to maintain clear and healthy water in aquariums ranging from 40 to 150 liters. It combines mechanical filtration with a UV lamp for comprehensive water purification. This system effectively combats cloudy and green water, reduces cleaning frequency, and promotes a healthy aquatic environment for fish, turtles, and aquatic plants. Key features include a powerful water flow of 600 liters per hour, a dual filtration system with a biochemical sponge and a 254 nm UV lamp, independent control switches for the pump and UV lamp, and adjustable dual water outlets for improved oxygenation and water circulation.

SAFETY INSTRUCTIONS

- Always disconnect the power supply before performing any maintenance, installation, or cleaning.
- Ensure the filter is fully submerged in water during operation to prevent overheating and damage to the pump.
- Do not operate the UV lamp outside of water or look directly at the UV light, as it can cause eye and skin damage. The external UV window is for status verification only.
- This appliance is designed for indoor use only and for use with aquariums.
- Check the power cord and plug for any damage before use. Do not use if damaged.
- Keep out of reach of children.
- Ensure the voltage (220-240V/50Hz) matches your local power supply.

PACKAGE CONTENTS

Upon unpacking, please verify that all components are present and undamaged:

- 1x Tararium H4F Filter Unit

- 1x Submersible Pump (integrated)
- 1x Biochemical Filter Sponge
- 1x UV Lamp (integrated)
- Adjustable Dual Water Outlets
- Power Cord with Type C (European) Plug



Image: Tararium H4F Aquarium Filter main unit. This image displays the complete filter assembly, including the pump, filter housing, and power cord.

SETUP INSTRUCTIONS

1. **Unpack and Inspect:** Carefully remove all components from the packaging. Inspect for any signs of damage.
2. **Assemble Filter Media:** Ensure the biochemical filter sponge is correctly placed inside the filter housing. The UV lamp is pre-installed.
3. **Positioning:** Place the filter unit fully submerged inside your aquarium. Ensure it is stable and not obstructed by decorations or substrate. The adjustable water outlets should be positioned to create optimal water circulation and oxygenation.
4. **Connect Power:** Plug the power cord into a suitable electrical outlet (220-240V/50Hz). Ensure a drip

loop is formed to prevent water from running down the cord to the outlet.

5. **Initial Start-up:** Once plugged in, the pump will start. Use the independent switches on the power cord to control the pump and the UV lamp separately.

Separate Switches

Control the UV Light Separately



Please NOTE whether the size of this machine is suitable for the size of your fish tank before you order it

Image: Overview of Tararium filter models (CTUV-S4F, CTUV-H6F, CTUV-H8F) and their dimensions, highlighting the separate switches for pump and UV light. This image illustrates the physical appearance and control mechanism of the filter series.

OPERATING INSTRUCTIONS

Power Control

The Tararium H4F features independent switches for the pump and the UV lamp. This allows for flexible operation, such as running the pump for mechanical filtration without the UV lamp, or activating both for comprehensive water treatment.

- Locate the two switches on the power cord. One controls the pump, and the other controls the UV lamp.
- Flip the desired switch to the "ON" position to activate the component.
- The external UV window allows for easy visual verification of the UV lamp's operational status without direct exposure.

Water Flow and Oxygenation

The filter is equipped with dual adjustable water outlets. These can be rotated to direct water flow, improving oxygen content and circulation within the aquarium. Adjust them to suit the needs of your aquatic inhabitants and plants.



Image: Demonstrates various functions of the filter, including wave making, air supply, water pumping, and the easy-to-check UV light indicator. This image highlights the versatility and user-friendly aspects of the filter.

MAINTENANCE

Regular maintenance is crucial for the optimal performance and longevity of your Tararium H4F filter.

1. **Disconnect Power:** Always unplug the filter from the power outlet before any maintenance.
2. **Filter Sponge Cleaning:**
 - Carefully remove the filter unit from the aquarium.
 - Disassemble the filter housing to access the biochemical sponge.
 - Rinse the sponge thoroughly with old aquarium water (not tap water, as chlorine can kill beneficial bacteria) to remove accumulated debris. Do not over-clean, as some beneficial bacteria should remain.
 - Reassemble the filter and place it back into the aquarium.

3. UV Lamp Replacement:

- The UV lamp's effectiveness diminishes over time. It is recommended to replace the UV lamp every 6 to 12 months, depending on usage and water conditions.
- To replace, carefully open the UV lamp compartment (refer to the diagram for your specific model if available).
- Gently remove the old lamp and insert a new, compatible UV lamp. Avoid touching the glass part of the new lamp with bare hands.
- Ensure the compartment is securely sealed before re-submerging the filter.

4. **Impeller Cleaning:** Periodically check and clean the pump's impeller to ensure smooth operation and prevent blockages. Remove any debris or mineral buildup.



Image: Diagram illustrating the double deep filtration system, showing water flow through the biochemical sponge filter and the UV sterilizer. This image clarifies how the filter cleans the water.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Pump not working	<ul style="list-style-type: none"> ◦ No power supply ◦ Impeller blocked or damaged ◦ Pump switch off 	<ul style="list-style-type: none"> ◦ Check power connection and outlet. ◦ Disconnect power, clean impeller and pump housing. ◦ Ensure pump switch is in "ON" position.
Water not clearing / Green water persists	<ul style="list-style-type: none"> ◦ Filter sponge dirty ◦ UV lamp not working or old ◦ Aquarium size exceeds filter capacity ◦ Excessive nutrients/light in aquarium 	<ul style="list-style-type: none"> ◦ Clean or replace filter sponge. ◦ Check UV lamp status via window; replace if necessary (every 6-12 months). ◦ Ensure filter is appropriate for your aquarium volume (40-150L for H4F). ◦ Reduce feeding, perform water changes, control lighting.
Reduced water flow	<ul style="list-style-type: none"> ◦ Filter media clogged ◦ Impeller partially blocked 	<ul style="list-style-type: none"> ◦ Clean filter sponge. ◦ Disconnect power, clean impeller.



Image: A visual comparison showing a green, cloudy aquarium before filtration and a crystal-clear aquarium after using the Tararium filter. This demonstrates the product's effectiveness in water clarification.

SPECIFICATIONS

Model Number	CTUV-H4F
Brand	Tararium
Recommended Aquarium Volume	40-150 Liters
Pump Flow Rate	600 Liters/Hour
Pump Power	8W
UV Lamp Power	6W
UV Lamp Wavelength	254 nm
Voltage	220-240V/50Hz
Plug Type	Type C (European)

Dimensions (approx.)	24.2 x 10.5 x 8.9 cm
Weight (approx.)	550 grams

WARRANTY AND SUPPORT

This product comes with a standard manufacturer's warranty. Please refer to the packaging or contact your retailer for specific warranty terms and conditions. For technical support, replacement parts (such as UV lamps or filter sponges), or any inquiries, please contact Tararium customer service through their official website or your point of purchase.