

TARARIUM WP-190F

TARARIUM Aquarium U-V Filter WP-190F User Manual

Model: WP-190F

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1. INTRODUCTION

Thank you for choosing the TARARIUM Aquarium U-V Filter WP-190F. This submersible internal filter is designed to maintain clear and healthy water in your aquarium by combining mechanical filtration, U-V sterilization, and aeration functions. Please read this manual thoroughly before installation and operation to ensure proper use and longevity of the product.

2. SAFETY INFORMATION

- Always disconnect the power supply before performing any maintenance, installation, or cleaning.
- This appliance is designed for indoor use only in aquariums. Do not use it for any other purpose.
- Ensure the voltage indicated on the label matches your local power supply before connecting.
- Do not operate the U-V lamp outside of water. Direct exposure to U-V light can be harmful to eyes and skin.
- Keep the power cord and plug dry. Do not handle with wet hands.
- Regularly inspect the power cord and plug for damage. If damaged, do not use the product.
- Ensure the filter is fully submerged in water during operation, except for the air tube connection if used.
- The product is IPX8 waterproof, meaning it is protected against continuous immersion in water. However, ensure the U-V light housing is properly sealed to prevent leakage.

3. PRODUCT OVERVIEW

The TARARIUM WP-190F is a versatile 4-in-1 aquarium filter system designed for aquariums ranging from 10 to 40 gallons. It integrates filtration, U-V sterilization, aeration, and water circulation into a single compact unit.

Key Features:

- **Adjustable Fine Bubbles:** Provides gentle aeration for fish, with adjustable airflow.
- **Dual-Stage Water Clarification:** Stage 1 mechanically filters debris and odors. Stage 2 utilizes a built-in 254nm U-V light to reduce odors and eliminate green water.
- **Swirl Turbo Design:** Enhances water exposure to the U-V light for increased effectiveness.

- **Double Filtration:** The U-V lamp and biochemical sponge can be used together. For very dirty water, the sponge can be removed to maximize U-V contact.
- **4-in-1 Multi-function:** Acts as a green water killer, odor reducer, quiet air supply pump, and water pump/filter. The air tube can be unplugged to function solely as a water pump.
- **Automatic Daily Cycle Timer:** Allows separate operation of the U-V lamp and pump. Set the U-V lamp's working time to 3, 6, 12, or 24 hours. It will automatically turn off and repeat the cycle daily.
- **Low Water Level Operation:** Designed to operate effectively even in low water level tanks, suitable for turtle tanks.

Components:

- Filter Unit (with integrated pump and U-V lamp)
- Biochemical Filter Sponge
- Air Tube
- Control Switch with Timer
- Suction Cups for mounting



Image 3.1: Overview of the TARARIUM WP-190F Aquarium U-V Filter, showing the main unit, timer control, and water output.



Image 3.2: Detailed view of the filter's internal components, including the control switch, biochemical sponge, swirl turbo design, and U-V lamp.

4. SETUP INSTRUCTIONS

1. **Unpack and Inspect:** Carefully remove all components from the packaging. Inspect the U-V lamp and its shade for any damage. The red component inside the U-V lamp is for transport protection and can be removed or left in if not damaged. If the lamp or shade is damaged, contact customer support for a replacement before use.

4 in 1 Multi-function Filter

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- It takes **3-7 days** to clear the green water.
- We recommend using it for **24 hours** for the first 7 days, then 3-6 hours per day.



Image 4.1: Visual guide for inspecting the U-V lamp and its red transport protection component.

2. **Assemble Filter:** Ensure the biochemical sponge is correctly placed inside the filter unit.
3. **Attach Air Tube (Optional):** If aeration is desired, connect the air tube to the designated port on the top of the filter unit. The airflow can be adjusted via the valve on the air tube.
4. **Mount in Aquarium:** Submerge the filter unit completely in the aquarium water. Use the suction cups on the side of the filter to securely attach it to the inner wall of the aquarium. Ensure the filter is placed in a location that allows for good water circulation. The filter is designed to operate effectively even at low water levels.



Image 4.2: The filter can be used in low water level tanks, such as those for turtles.

5. **Connect Power:** Plug the power cord into a suitable electrical outlet. Ensure your hands are dry when handling the plug.

5. OPERATING INSTRUCTIONS

Initial Start-up:

Once plugged in, the pump will begin circulating water. The U-V lamp and pump operate separately.

U-V Lamp Timer Settings:

The control switch allows you to set the U-V lamp's operating duration. Press the power button on the control switch to cycle through the timer options: 3 hours, 6 hours, 12 hours, or 24 hours. The selected duration will be indicated by an illuminated LED. The U-V lamp will automatically turn off after the set time and repeat the cycle daily without manual adjustment.



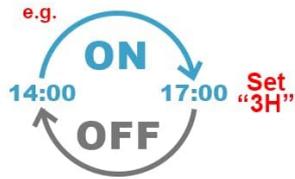
Image 5.1: The control switch allows setting the U-V lamp's operating time.

Recommended Usage for Green Water:

- For initial green water clearing, operate the U-V lamp for 24 hours a day for the first 3-7 days.
- After the initial clearing, reduce the U-V lamp operation to 3-6 hours per day for maintenance.

Control Switch of UV Lamp

Scientific Management of Usage Time



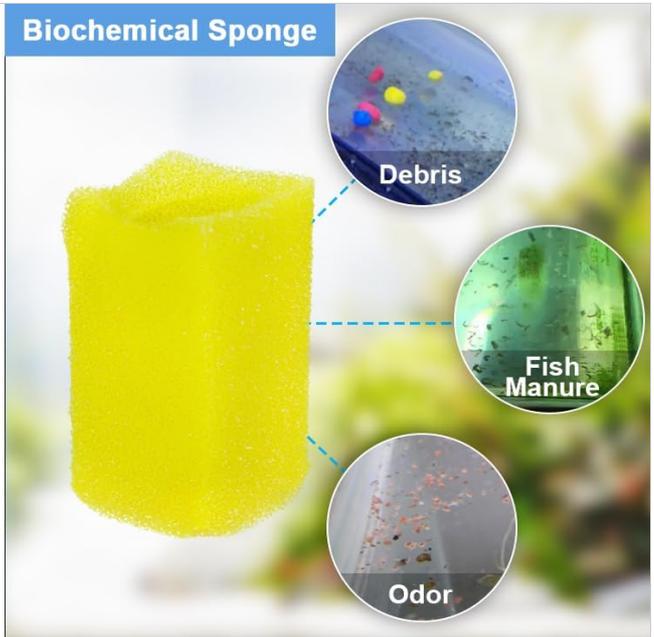
Automatic Daily Cycle

Example.

Select 3H only once at 14:00, the UV will work 3 hours at 14:00 every day.



Biochemical Sponge



Swirl Turbo Design



UV Lamp



Image 5.2: The filter's U-V function effectively clears green water over several days.

Adjusting Airflow:

If the air tube is connected, you can adjust the amount of air bubbles by rotating the valve on the air tube. This allows you to customize the aeration level for your aquarium inhabitants.



Image 5.3: The filter provides fine bubbles for oxygenation and operates quietly.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your filter.

1. **Disconnect Power:** Always unplug the filter from the power outlet before performing any maintenance.
2. **Clean Biochemical Sponge:** The biochemical sponge traps debris and waste. Remove the filter unit from the aquarium and gently rinse the sponge in old aquarium water (not tap water) to preserve beneficial bacteria. Replace the sponge if it is heavily degraded.



Image 6.1: The biochemical sponge effectively removes debris, fish waste, and odors.

- U-V Lamp Function and Sponge:** For very dirty water or to maximize the U-V lamp's effectiveness in clearing green water, the biochemical sponge can be temporarily removed to allow the U-V lamp to have full contact with the water. The sponge is primarily for mechanical filtration.



Image 6.2: Removing the filter sponge allows the U-V light to fully contact the water for better green water clearing.

4. **Clean Impeller:** Periodically check and clean the impeller and its housing to ensure smooth operation and prevent blockages.
5. **U-V Lamp Replacement:** The U-V lamp has a limited lifespan. Replace it when its effectiveness diminishes or if it stops working. Ensure to use a compatible replacement lamp.
6. **Clean Filter Casing:** Wipe down the exterior of the filter casing as needed.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Filter not running / No water flow	No power; Impeller jammed; Air in pump.	Check power connection; Disconnect power, clean impeller; Re-submerge filter and gently shake to release air.
Weak water flow	Clogged sponge; Impeller dirty; Air tube blocked.	Clean or replace sponge; Clean impeller; Clear air tube.

Problem	Possible Cause	Solution
U-V lamp not lighting up	Lamp faulty; Timer not set; Power issue.	Check timer setting; Ensure power is connected; Replace U-V lamp if faulty.
Green water persists	U-V lamp not running long enough; Lamp old/ineffective; Overfeeding/excess nutrients.	Increase U-V lamp operating time (24H for several days); Replace U-V lamp; Reduce feeding, perform water changes. Consider removing sponge temporarily for maximum U-V exposure.
Excessive noise	Impeller dirty or damaged; Air in pump.	Clean or replace impeller; Re-submerge filter and gently shake to release air.

8. SPECIFICATIONS

Feature	Detail
Brand	TARARIUM
Model Name	WP-190F
Product Dimensions	2.75"L x 2.75"W x 8.26"H
Item Weight	1.43 Pounds
Power Source	Corded Electric
Voltage	110 Volts
Maximum Flow Rate	500 Liters Per Hour (approx. 132 GPH)
Recommended Aquarium Size	10-40 Gallons
Included Components	Air Tube, Pump, Sponge, U-V Light
Waterproof Rating	IPX8

9. WARRANTY AND SUPPORT

TARARIUM provides 6-month after-sales support for this product. If you have any questions or encounter problems with your TARARIUM Aquarium U-V Filter WP-190F, please contact our customer support team. Provide your purchase details and a description of the issue for prompt assistance.

For further assistance, please refer to the contact information provided with your purchase or visit the official TARARIUM website.