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Model: WP-609H

1. PRODUCT OVERVIEW

The TARARIUM WP-609H is a hang-on-back aquarium filter designed for 20-75 gallon fish tanks. It features multi-stage filtration, including a dedicated UV light chamber, a surface skimmer, and adjustable water flow. This filter is suitable for both freshwater and saltwater aquariums, helping to maintain clear water and reduce odors.



Figure 1: Internal Components and Filtration Stages. This diagram illustrates the UV light, filter pads, and bio-sponges within the filter, highlighting their roles in sterilization, algae removal, waste capture, and cultivating beneficial bacteria.

**Multi-stage Filtration with
Dedicated UV Chamber.
No Need Extra Equipment**



Clean Green Water



Harmless to
Nitrifying Bac-teria



Deodorization

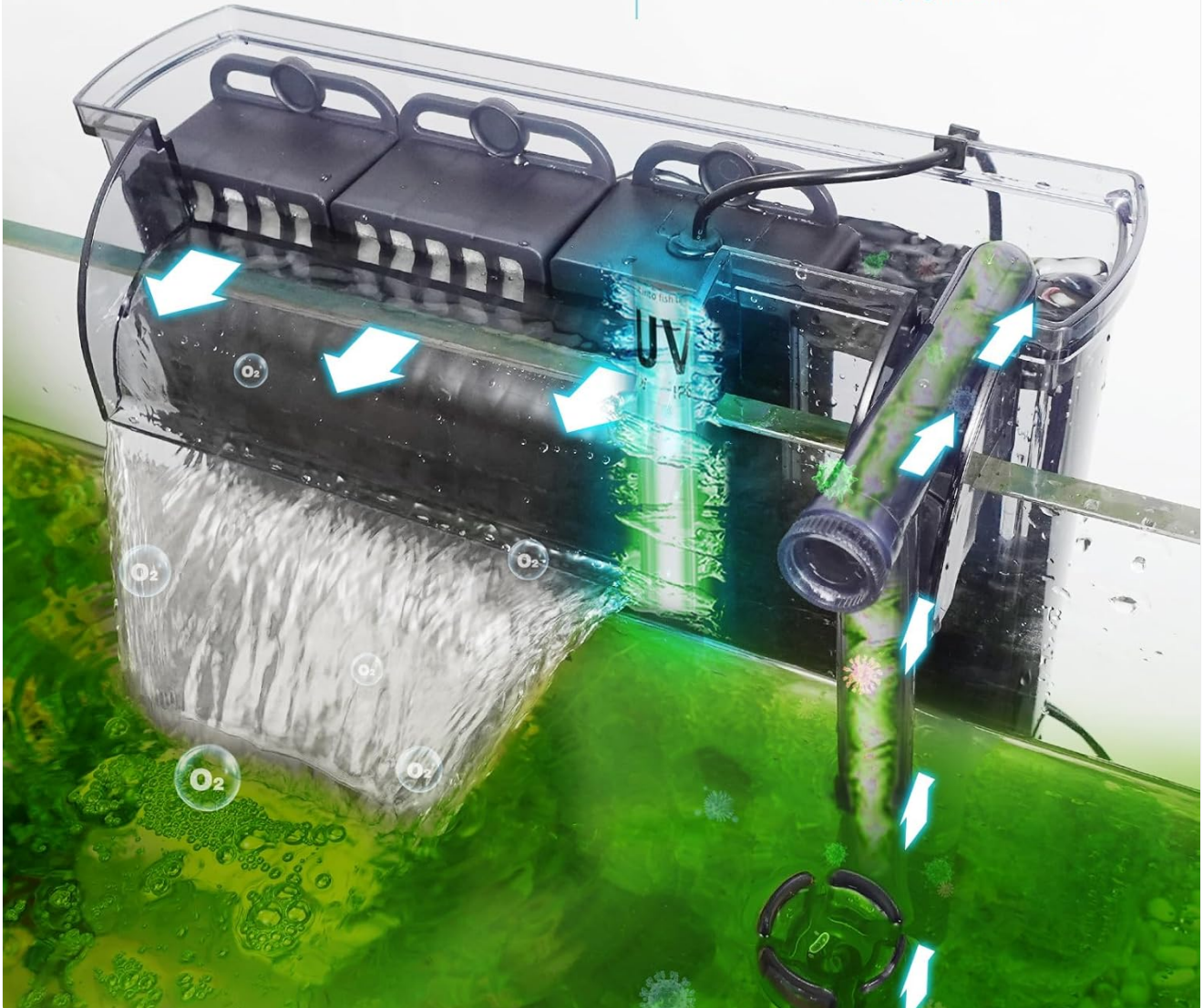


Figure 2: Multi-stage Filtration in Action. This image demonstrates the filter's multi-stage process, including UV sterilization, filtration, and deodorization, effectively treating green aquarium water.

New! Advanced GREEN WATER Solution



Total Filtration: Mechanical + Chemical + Biological + UV Sterilizer.



Odors



Fish Waste



Murky/Cloudy Water

Figure 3: Water Clarity Improvement. A visual comparison showing an aquarium before and after using the filter, demonstrating its ability to transform murky, green water into clear water through mechanical, chemical, biological, and UV sterilization.

Key Features:

- **Dedicated UV Chamber:** Features a 5W, 253.7nm UV light for effective sterilization and algae removal, isolated to protect beneficial bacteria.
- **Odor Reduction:** Minimizes unpleasant odors associated with green or cloudy aquarium water.
- **All-in-One Design:** Includes a surface skimmer for oil film and debris removal, adjustable water flow, and multiple inlet pipe installation methods.
- **Quiet Operation:** Operates at less than 40 dB, ensuring minimal disturbance.
- **Versatile Use:** Suitable for various aquatic environments including fish tanks, turtle tanks, and for both freshwater and saltwater setups.

2. SETUP INSTRUCTIONS

Follow these steps to properly set up your TARARIUM WP-609H aquarium filter.

Component Identification:



Figure 4: Filter Dimensions and Components. This image provides an overview of the filter's physical dimensions and identifies key components such as the filter media box, UV light box, and UV lamp, along with different pipe installation modes.

Installation Steps:

- 1. Assemble Inlet Pipe:** The filter comes with a spare short inlet and an extension pipe, allowing for different installation options based on your aquarium's water level and setup. Connect the appropriate pipe sections securely.
- 2. Position Filter:** Hang the filter securely on the back of your aquarium. Ensure the filter is level and stable.
- 3. Connect Pump and Tube:** Verify that the pump and water pipe connections are tight and properly seated to prevent leaks.
- 4. Fill with Water:** Before powering on, completely fill the filter canister with aquarium water until it overflows. This primes the pump and prevents it from running dry, which can cause damage.
- 5. Ensure Water Level:** The aquarium water level must be higher than the fixed pipe of the surface skimmer and above inlet 1 for proper operation.
- 6. Power On:** Once the filter is filled and the water level is adequate, plug in the power cord.

IMPORTANT, NOTE BEFORE USE



Before each restart, make sure that the water level is above inlet 1.

Before operation, ensure the aquarium water level reaches the minimum mark shown to guarantee proper functioning of the filter pump.

Before powering on the filter, completely fill the filter canister with water until it overflows. Otherwise, the pump may burn out.

1. Fill water → 2. Overflow → 3. Power on



TIGHTEN PUMP-TUBE CONNECTION



Check that the pump and water pipe are connected in place.

Figure 5: Important Setup Notes. This image highlights critical steps before operating the filter, such as ensuring the water level is above inlet 1, priming the filter canister with water, and tightening the pump-tube connection.

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Video 1: Real Unboxing and Setup. This video provides a visual guide to unboxing the TARARIUM WP-609H filter and demonstrates the initial setup process, including pipe installation.

3. OPERATING INSTRUCTIONS

The TARARIUM WP-609H filter is designed for continuous operation to maintain optimal water quality.

Adjusting Water Flow:

The filter features an adjustable knob to control the water flow rate. Turn the knob to increase or decrease the flow, allowing you to customize it for delicate fish or shrimp, or for more vigorous circulation.

Easy-to-Adjust Water Flow



Surface Skimmer



Three Installation Modes Total length (10.51"-16.38")



Dissolved Oxygen



Figure 6: Adjustable Water Flow and Skimmer. This image illustrates how to adjust the water flow and highlights the function of the surface skimmer, which helps remove surface film and promotes dissolved oxygen.

UV Light Operation:

The integrated UV light helps control algae and sterilize the water. It operates automatically when the filter is powered on. The UV light has its own switch, allowing you to cycle it as needed.

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Video 2: UV and Multi-Stage Filtration Overview. This video demonstrates the effectiveness of the UV light and the 12-stage filtration system in maintaining clear and healthy aquarium water.

Surface Skimmer:

The surface skimmer efficiently removes oil film and floating debris from the water surface, ensuring proper gas exchange and oxygenation. Ensure the water level is maintained above the skimmer's fixed pipe for optimal performance.

4. MAINTENANCE

Regular maintenance is crucial for the longevity and efficiency of your filter. Disconnect power before performing any maintenance.

Cleaning Filter Media:

- The filter contains filter pads and bio-sponges. These should be cleaned regularly to prevent clogging and maintain filtration efficiency.
- Remove the filter media boxes from the unit.
- Gently rinse the filter pads and bio-sponges in old aquarium water (from a water change) to preserve beneficial bacteria. Avoid using tap water directly, as chlorine can harm these bacteria.
- Replace filter pads as needed, typically every 2-4 weeks, depending on tank bioload. Bio-sponges are reusable and should only be replaced when they show significant wear.

UV Lamp Replacement:

The UV lamp has a limited lifespan and should be replaced periodically (e.g., every 6-12 months) to ensure effective sterilization. Refer to the specifications for the correct replacement lamp type.

Pump Cleaning:

Periodically inspect and clean the pump impeller and housing to remove any debris or mineral buildup that could reduce performance or cause noise.

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Video 3: Daily Maintenance and Disassembly. This video demonstrates how to disassemble the filter for cleaning and perform routine maintenance tasks.

5. TROUBLESHOOTING

If you encounter issues with your TARARIUM WP-609H filter, refer to the following common troubleshooting steps:

- **Filter Not Pumping Water:**
 - Ensure the filter canister is completely filled with water before powering on.
 - Check that the water level in the aquarium is above the minimum intake level.
 - Verify that the pump and inlet pipe connections are secure.
 - Inspect the pump impeller for any obstructions or damage.
- **Reduced Water Flow:**
 - Clean or replace clogged filter media (pads and sponges).
 - Check the inlet pipe and surface skimmer for blockages.
 - Clean the pump impeller and housing.
- **Excessive Noise:**
 - Ensure the filter is properly primed and full of water; air in the system can cause noise.
 - Check the pump impeller for debris or misalignment.
 - Ensure the filter is securely mounted and not vibrating against the tank.
- **Water Remains Cloudy/Green:**
 - Verify that the UV light is functioning (if applicable, check the indicator light).
 - Ensure filter media is clean and appropriate for your tank size and bioload.

- Perform regular water changes and avoid overfeeding.

6. SPECIFICATIONS

Feature	Detail
Model Name	WP-609H
Recommended Tank Size	20-75 Gallons
Pump Power	14W
UV Light Power	5W
Voltage	AC 110-120V/60Hz
Maximum Flow Rate (F.MAX)	264 GPH
Retracted Height (Inlet Pipe)	10.51 inches
Extended Height (Inlet Pipe)	16.38 inches
Pump Cable Length	55.51 inches
UV Cable Length	51.96 inches
Item Weight	3.43 pounds
Dimensions (L x W x H)	12.05 x 7.48 x 6.1 inches (Package)
Noise Level	<40 dB

7. WARRANTY AND SUPPORT

The TARARIUM WP-609H Aquarium Filter comes with a **6-month warranty**. For any questions or problems with this aquarium filter, please contact TARARIUM customer support. We are committed to resolving issues and will reply within 24 hours.