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VENUS AQUA WP-208H

Venus Aqua WP-208H Hang On Biochemical Filter Water Purifier Pump User Manual

Model: WP-208H

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and effective use of your Venus Aqua WP-208H Hang On Biochemical Filter Water Purifier Pump. This filter is designed to improve water quality and provide essential oxygenation for low water level environments, making it ideal for turtle tanks, terrariums, and small aquariums. Please read all instructions carefully before installation and operation.



Image 1.1: The Venus Aqua WP-208H Hang On Filter installed in a low water level tank, demonstrating its function in a turtle habitat.

2. PRODUCT OVERVIEW AND COMPONENTS

The Venus Aqua WP-208H is a multi-purpose filter system offering filtration, oxygenation, and water circulation. It is suitable for both fresh and saltwater environments.

Key Features:

- **Biochemical Filtration:** Improves water quality and reduces maintenance.
- **Multi-purpose Functionality:** Acts as a filter, oxygenator, and fountain pump.
- **Quiet Operation:** Designed for low noise output.
- **Easy Maintenance:** Simple to clean and maintain.
- **Effective Filtration:** Includes filter sponge and bio balls for physical and biological filtration.
- **Low Water Level Compatibility:** Operates effectively in water depths as low as 1.6 inches (approximately 4 cm).

Component Identification:



Image 2.1: Labeled diagram of the WP-208H filter, showing its main parts and dimensions.

1. **On the cover:** Top lid of the filter unit.
2. **Cotton filter:** Mechanical filtration media.
3. **Outlet:** Where filtered water exits the unit.
4. **Chuck:** Securing mechanism for hanging.
5. **Filter cup:** Main housing for filter media.
6. **Submersible pump:** Water intake and circulation pump.
7. **Water inlet:** Point where water enters the pump.

Suitable for 30–60cm fish tank or turtle tank



Image 2.2: Exploded view showing all individual components of the WP-208H filter, including the cover, cotton filter, biological balls, submersible pump, and hanging hook.

3. SETUP INSTRUCTIONS

Follow these steps to properly set up your Venus Aqua WP-208H filter:

1. **Unpack Components:** Carefully remove all parts from the packaging. Ensure all components listed in Section 2 are present.
2. **Assemble Filter Media:** Place the cotton filter and biological balls (if separate) into the filter cup. The empty space in the filter cup can be filled with additional filter material (not included) if desired.
3. **Attach Submersible Pump:** Securely attach the submersible pump to the bottom of the filter cup. Ensure the water inlet sponge is attached to the pump intake.
4. **Positioning:** Hang the filter unit on the wall of your aquarium or terrarium glass. The detachable hook allows adjustment based on water level and glass thickness. Ensure the filter is stable and securely attached.
5. **Water Level:** Ensure the water level in your tank is above the minimum operating level of 1.6 inches (approximately 4 cm) for the pump to function correctly. The filter is designed for low water levels, making it

suitable for turtle tanks.

6. **Power Connection:** Securely plug the power head into an appropriate electrical outlet. Ensure your hands are dry before handling the power plug.



Image 3.1: The filter in operation within a turtle tank, illustrating proper placement and water circulation.

The empty space can be filled with other filter material (**not included**)



can be used in minimum water depth for 1.6inch



1.6 inch



Image 3.2: Illustration of the filter's capability to operate in minimum water depths, suitable for various aquatic setups.

4. OPERATING INSTRUCTIONS

Once properly installed, the Venus Aqua WP-208H filter is designed for continuous and efficient operation.

1. **Initiating Operation:** After plugging in the power cord, the pump will begin to draw water from the tank, pass it through the filter media, and return clean, oxygenated water via the outlet.
2. **Water Inlet Mesh:** The water inlet is equipped with a mesh to prevent small fish, debris, or sand from being sucked into the pump, protecting the impeller.
3. **Continuous Use:** This filter is designed for continuous operation to maintain optimal water quality.

Safety Precautions:

- Always unplug the cord from the outlet while installing or cleaning the power head.
- Never operate the pump when dry (without water). This can cause damage to the motor.

model: WP-208H

size: 20 × 9 × 5.5cm

power: 5W

Line length: 110cm

Traffic: 500L/H

Water depth: ≥5cm

With a long basket, it is convenient to add filter to protect cotton sleeve.

- 1 Prevent sundries from entering the filter barrel and prolong the use time of the filter material;
- 2 Small fish or dried shrimps can be prevented from being sucked into the cartridge.

Note: the manual inspection is unavoidable error, please refer to the object.



INSTRUCTIONS :

- ① The power head must be securely installed before plug into outlet.
- ② The water inlet must install the mesh, prevents the small fish or the sand be pump in to damage the power head.
- ③ The impeller should be cleaned regularly.



SAFETY PRECAUTIONS :

- ① Unplug cord from outlet while installing or cleaning the power head.
- ② Never operate when dry.

Detachable hook

Can be according to water level, fish tank glass thickness. Adjust hook height and width.



energy-saving motor

Power consumption is only 5w, green environmental protection. A couple of days of continuous use electricity 1 °C



Built-in filter material

Activated carbon filter cotton and biosphere. The built-in space is large, and other filter materials can be configured on its own.

Image 4.1: Diagram illustrating operating instructions and important safety precautions for the filter.

5. MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your filter. The WP-208H is designed for easy cleaning.

1. **Unplug Before Maintenance:** Always unplug the filter from the power outlet before performing any maintenance or cleaning.
2. **Clean Impeller:** The impeller should be cleaned regularly to prevent blockages and maintain optimal flow. Carefully remove the pump from the filter cup and clean the impeller chamber.
3. **Clean/Replace Filter Media:** Remove the filter cover and take out the cotton filter and biological balls. Rinse the cotton filter thoroughly with old tank water (not tap water, to preserve beneficial bacteria) or replace it if heavily soiled. Rinse biological balls gently.
4. **Clean Filter Cup:** Clean the inside of the filter cup to remove any accumulated debris.
5. **Reassemble:** Reassemble all components in reverse order. Ensure the filter media is correctly placed and the pump is securely attached.
6. **Frequency:** The frequency of cleaning depends on the bioload of your tank. Generally, inspect and clean the

filter media every 1-2 weeks.

6. TROUBLESHOOTING

If you encounter issues with your Venus Aqua WP-208H filter, refer to the following common problems and solutions:

- **Problem: Filter is not running or has low flow.**

Solution:

- a. Check if the power cord is securely plugged in.
- b. Ensure the water level is sufficient (above 1.6 inches / 4 cm).
- c. Unplug the unit and check the impeller for blockages (e.g., debris, hair). Clean if necessary.
- d. Inspect the water inlet for obstructions.

- **Problem: Filter is making unusual noise.**

Solution:

- a. Unplug the unit and check the impeller for any foreign objects or damage.
- b. Ensure the filter is securely mounted and not vibrating against the tank glass.
- c. Verify the water level is adequate.

- **Problem: Water is not clear despite filter running.**

Solution:

- a. Clean or replace the filter cotton as it may be saturated with debris.
- b. Ensure biological media (bio balls) are present and functioning.
- c. Consider adding additional fine filter media if particulate matter is still an issue.
- d. Check tank parameters (ammonia, nitrite, nitrate) as water clarity can also be affected by biological imbalances.

7. SPECIFICATIONS

Detailed technical specifications for the Venus Aqua WP-208H Hang On Filter:

Specification	Value
Model	WP-208H
Voltage	110V-240V
Frequency	50/60Hz
Power	5W
Flow Rate	500 L/H
Dimensions (LxWxH)	9 x 7 x 20 cm
Item Weight	400 g
Minimum Water Depth	1.6 inches (approx. 4 cm)
Suitable for	Freshwater and Saltwater

Manufacturer	VENUS AQUA
Country of Origin	China



Image 7.1: The filter operating at its minimum water level, highlighting its suitability for shallow tanks.



Image 7.2: Visual representation of the filter's application in different aquatic environments, including turtle tanks, fish tanks, and habitats for frogs and newts.

8. WARRANTY AND SUPPORT

For warranty information and customer support regarding your Venus Aqua WP-208H filter, please refer to the product packaging or contact your retailer. Keep your proof of purchase for any warranty claims.

For further assistance, you may also visit the official VENUS AQUA brand store or contact their customer service channels.