

[Manuals.plus](#) /

› [VIVOHOME](#) /

› VIVOHOME Pressurized Biological Pond Filter User Manual

VIVOHOME VH1159

VIVOHOME Pressurized Biological Pond Filter User Manual

Model: VH1159

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your VIVOHOME Pressurized Biological Pond Filter. Designed for optimal water clarity and health in koi ponds up to 500 gallons and ornamental ponds up to 1050 gallons, this filter system incorporates advanced biological and mechanical filtration with a built-in UV lamp.

PRODUCT FEATURES

- **Premium Material:** Constructed from strengthened ABS material, ensuring waterproof, sun-proof, and durable performance. Includes 3/4" and 1" adapters for versatile pipe connections.
- **Great Filtration:** Features three built-in filter sponges for effective removal of suspended particles, sediments, and organic substances. An internal 9W UV lamp enhances water quality by eliminating harmful microorganisms.
- **Easy to Operate:** Simple setup and quick deployment. A convenient switch allows for easy conversion between filtered water output and sewage discharge.
- **Superior Performance:** Achieves a maximum flow-through of up to 1000 GPH, suitable for ornamental ponds up to 1050 gallons and fish ponds up to 500 gallons.
- **Convenient to Maintain:** Equipped with a crank handle for internal cleaning, allowing maintenance without opening the main container. Filter sponges and the UV lamp are replaceable.

COMPONENTS AND PARTS

Familiarize yourself with the main components of your VIVOHOME pond filter:

- Filter Unit Body

- Top Lid with Control Handle and Function Switch
- Inlet and Outlet Ports
- 9W UV Lamp (internal)
- Filter Sponges (3 layers, internal)
- Hose Adapters (3/4" and 1")
- Internal Cleaning Rod (connected to crank handle)



Figure 1: Main view of the VIVOHOME Pressurized Biological Pond Filter.



Figure 2: The filter unit showing the included 3/4" (20mm) and 1" (25mm) hose adapters for various pipe sizes.

Great Filtration

Replaceable filter sponge for easy cleaning



Built-in Lamp

Can reduce the water pollution

9 W Lamp

Figure 3: Internal view highlighting the multi-layer filter sponges and the 9W UV lamp, crucial for biological and mechanical filtration.

SETUP INSTRUCTIONS

1. **Placement:** Position the filter unit on a stable, level surface near your pond. Ensure it is easily accessible for maintenance and that the power cable for the UV lamp can reach a suitable outdoor power outlet.
2. **Hose Connection:**
 - Identify the inlet and outlet ports on the filter. The inlet typically connects to your pond pump, and the outlet returns filtered water to the pond.
 - Attach appropriate hoses (not included) to the inlet and outlet ports using the provided 3/4" or 1" adapters. Ensure all connections are secure to prevent leaks.
 - For the sewage outlet, connect a separate hose to direct dirty water away during cleaning cycles.
3. **UV Lamp Connection:** Connect the UV lamp's power cord to a grounded outdoor electrical outlet. Ensure the outlet is protected by a Ground Fault Circuit Interrupter (GFCI) for safety.

4. **Initial Priming:** Before starting the pump, ensure the filter unit is filled with water. This can be achieved by allowing water from the pond to flow into the filter via gravity or by manually filling it.
5. **Power On:** Once all connections are secure and the filter is primed, turn on your pond pump. Then, activate the UV lamp.



Figure 4: Example setup of the pond filter adjacent to a pond, demonstrating hose connections.

Easy to Operate

Turn a switch to convert pond water into clean water

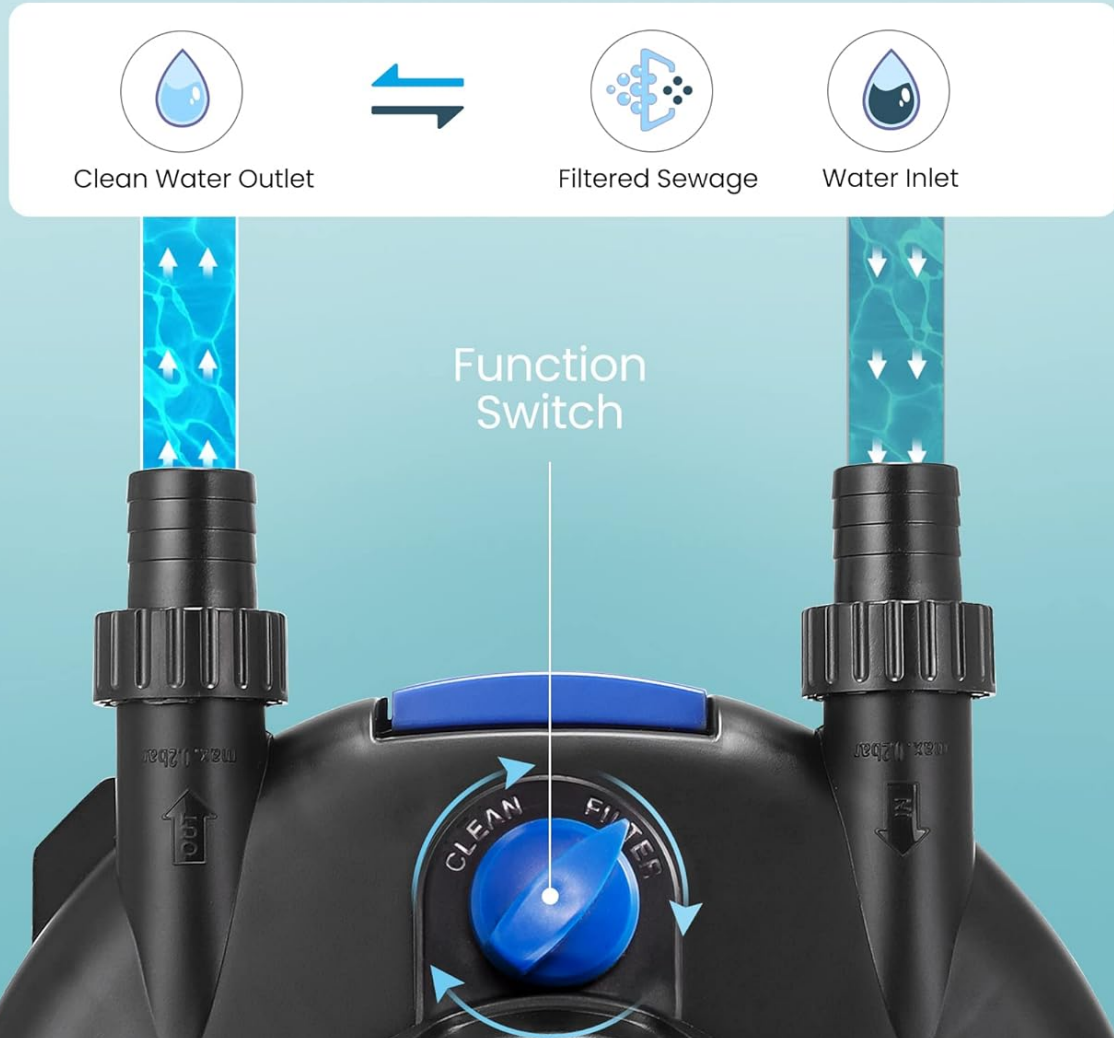


Figure 5: The function switch on the filter allows selection between clean water output and filtered sewage output for cleaning.

OPERATING INSTRUCTIONS

The VIVOHOME pond filter is designed for continuous operation to maintain optimal pond water quality. Ensure your pond pump is running to circulate water through the filter.

Function Switch Operation

The blue switch on the top of the unit controls the water flow direction:

- **Filter Mode (Clean Water Output):** In this mode, water passes through the filter sponges and UV lamp, and clean water is returned to the pond. This is the standard operating mode.
- **Sewage/Cleaning Mode:** When performing maintenance, switch to this mode to direct dirty water from the cleaning process out through the sewage outlet.

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Video 1: An overview of the VIVOHOME Bio Pressure Pond Filter, demonstrating its features and ease of use, including hose connections and cleaning mechanism.

MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your pond filter. The VIVOHOME filter is designed for convenient cleaning.

Internal Cleaning (Backwash)

The integrated crank handle allows for easy cleaning of the filter sponges without disassembling the unit:

1. Ensure the pond pump is running.
2. Rotate the function switch to the "Sewage" or "Cleaning" position. This diverts the water flow to the sewage outlet.
3. Turn the crank handle on top of the filter unit. This action moves the internal cleaning rod, agitating the filter sponges and dislodging accumulated debris. Continue cranking until the water flowing from the sewage outlet appears clear.
4. Once cleaning is complete, rotate the function switch back to the "Filter" position to resume normal operation.

Convenient to Maintain

No need to disassemble when cleaning



Figure 6: The crank handle on top of the filter simplifies the cleaning process by agitating internal components.

UV Lamp and Sponge Replacement

Periodically, the UV lamp and filter sponges will need replacement to maintain optimal performance. Refer to the product packaging or manufacturer's website for compatible replacement parts.

- **UV Lamp:** The UV lamp typically has an effective lifespan of 8,000 to 9,000 hours (approximately 1 year of continuous use). Replace annually or if you notice a decrease in water clarity despite regular filter cleaning. Always disconnect power before accessing the UV lamp.
- **Filter Sponges:** While designed for long-term use and easy cleaning, sponges may degrade over time or become too clogged to clean effectively. Replace them when they show signs of wear or if filtration efficiency significantly drops.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Water not clearing / Pond remains cloudy	◦ Filter sponges are clogged. ◦ UV lamp is old or not working. ◦ Filter size is inadequate for pond volume. ◦ Insufficient water flow from pump.	◦ Perform internal cleaning (backwash). If still clogged, replace sponges. ◦ Check UV lamp indicator. Replace UV lamp if necessary. ◦ Verify pond volume against filter capacity. Consider additional filtration if pond is larger than recommended. ◦ Check pond pump for blockages or malfunction.
Water leaking from filter connections	◦ Loose hose connections. ◦ Damaged O-rings or seals.	◦ Tighten all hose clamps and connections. ◦ Inspect O-rings and seals for cracks or displacement. Replace if damaged.
UV lamp not illuminating	◦ Power supply issue. ◦ UV lamp is burnt out.	◦ Check power connection and GFCI. ◦ Replace UV lamp.

SPECIFICATIONS

Attribute	Detail
Brand	VIVOHOME
Model Number	VH1159
Color	Black
Material	Polypropylene (PP), Acrylonitrile Butadiene Styrene (ABS)
Power Source	Electric
Voltage	110 Volts
Maximum Flow Rate	1000 GPH (4E+3 Liters Per Hour)
UV Lamp Power	9 Watts
Product Dimensions	9.8 x 9.8 x 13.31 inches
Item Weight	4.4 pounds
Suitable for Ornamental Ponds	Up to 1050 Gallons
Suitable for Fish Ponds	Up to 500 Gallons

Specification

Package Dimensions:

10.5*10.6*14.4 inches

Package Weight

7.6 lbs.



Figure 7: Product dimensions for planning installation space.

WARRANTY AND SUPPORT

VIVOHOME products are manufactured to high-quality standards. For warranty information, technical support, or to purchase replacement parts, please refer to the contact information provided with your product packaging or visit the official VIVOHOME website.

Always retain your proof of purchase for warranty claims.