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› VIVOHOME 2640GPH Auto-Cleaning Pressurized Bio Pond Filter User Manual

## VIVOHOME VH1743

# VIVOHOME 2640GPH Auto-Cleaning Pressurized Bio Pond Filter

MODEL: VH1743

Brand: VIVOHOME

## PRODUCT OVERVIEW

This VIVOHOME 2640GPH Auto-Cleaning Pressurized Bio Pond Filter is designed to maintain crystal-clear and healthy water in various pond environments. It features an integrated 18W UV light and a timer for efficient filtration and water clarity. The filter is suitable for ornamental ponds up to 3170 gallons and koi ponds up to 1585 gallons, offering a maximum flow rate of 2640 GPH.



*Figure 1: Main view of the VIVOHOME 2640GPH Auto-Cleaning Pressurized Bio Pond Filter.*

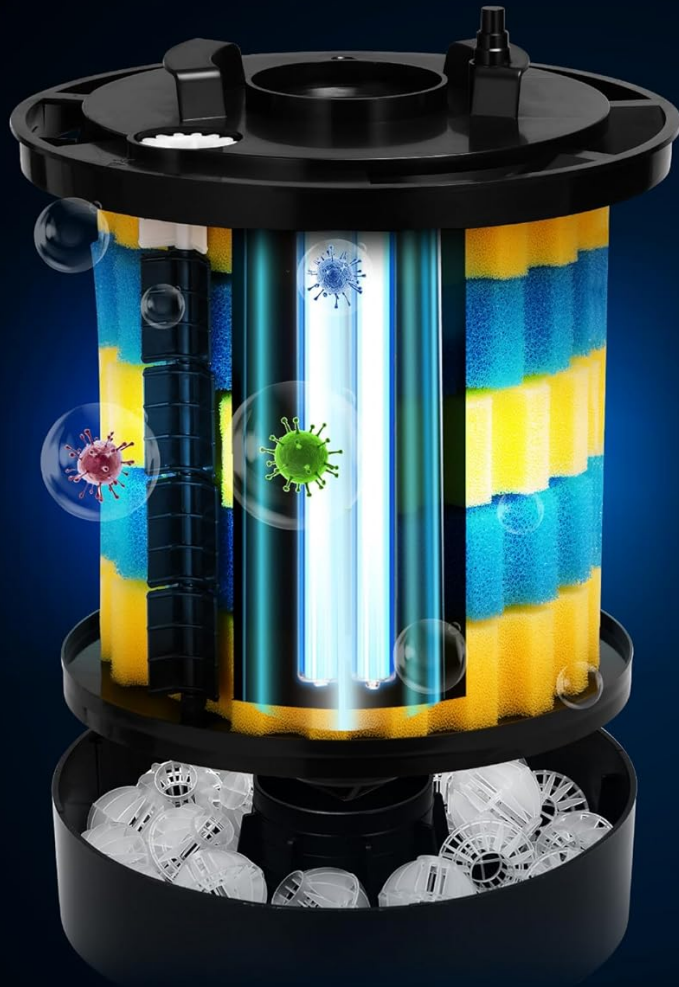
## KEY FEATURES

### Efficient Filtration System

The filter incorporates a multi-stage filtration system to ensure optimal water quality. This includes a sponge filtration system with two blue 20 PPI sponges and three yellow 25 PPI sponges for fine and coarse particle removal. An additional layer of bio-balls at the bottom enhances biological filtration, promoting stable water quality. A built-in 18W UV lamp helps maintain water clarity by controlling algae and harmful microorganisms.

# Efficient Filtration

Keep your pond crystal clear and healthy



**5** 

Reusable Sponges

**18w** Light

Feature **8000**-hour durability  
and 3-level timer

**Bio-Ball**

Filter Basket

*Figure 2: Internal view of the filter showcasing the reusable sponges, 18W UV light, and bio-ball filter basket.*

## Automatic Cleaning Function

The unit features an automatic cleaning mode for convenient maintenance. A function switch allows easy toggling between FILTER and CLEAN modes. In CLEAN mode, the internal motor automatically rotates the sponges for self-cleaning, indicated by a "beep" sound upon completion. A cleaning indicator buoy floats when sponge cleaning is needed.

# Automatic Cleaning

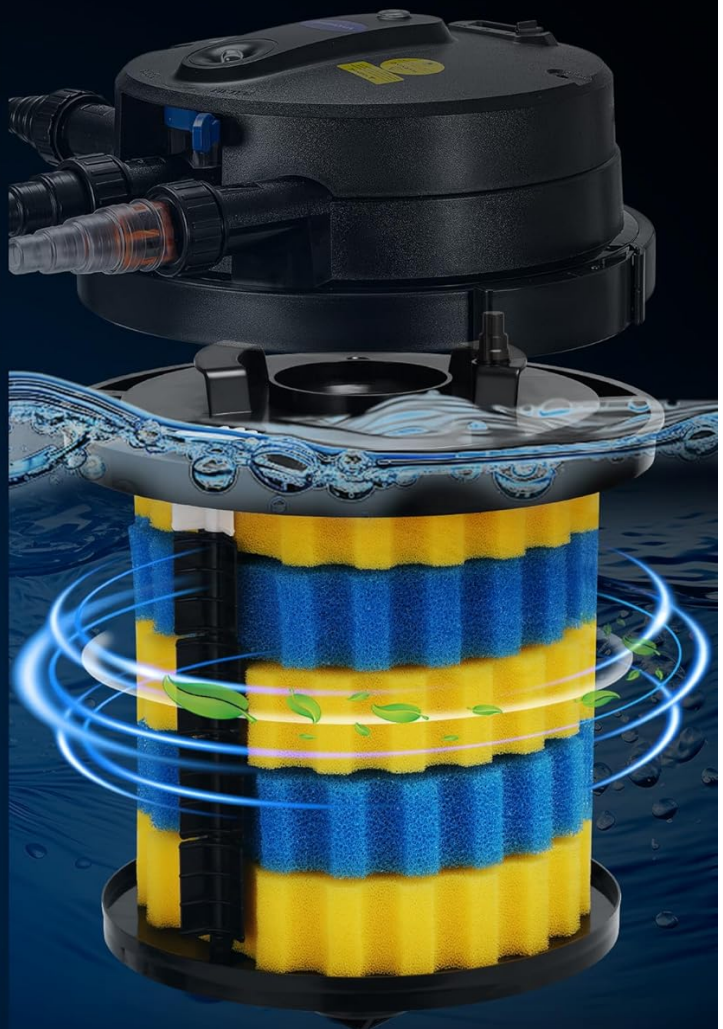


Figure 3: Illustration of the automatic cleaning process and the function switch.

## Durable Construction

Constructed from high-quality ABS material, this pond filter is designed for durability and long-term outdoor use. It is heat-insulated, sun-resistant, and aging-resistant. The locking buckle structure and IP44 waterproof rating provide enhanced protection against environmental elements.

## Multi-Size Adapters for Compatibility

The filter includes two black adapters and one transparent adapter to accommodate various hose sizes (3/4", 1", 1 1/4", and 1 1/2"). These adapters are interchangeable, ensuring broad compatibility with different pond setups. For optimal performance and durability, the outlet hose should be at least one size larger than the inlet hose.

# Multi-Size Adapters

Suitable for multiple hose sizes for high compatibility

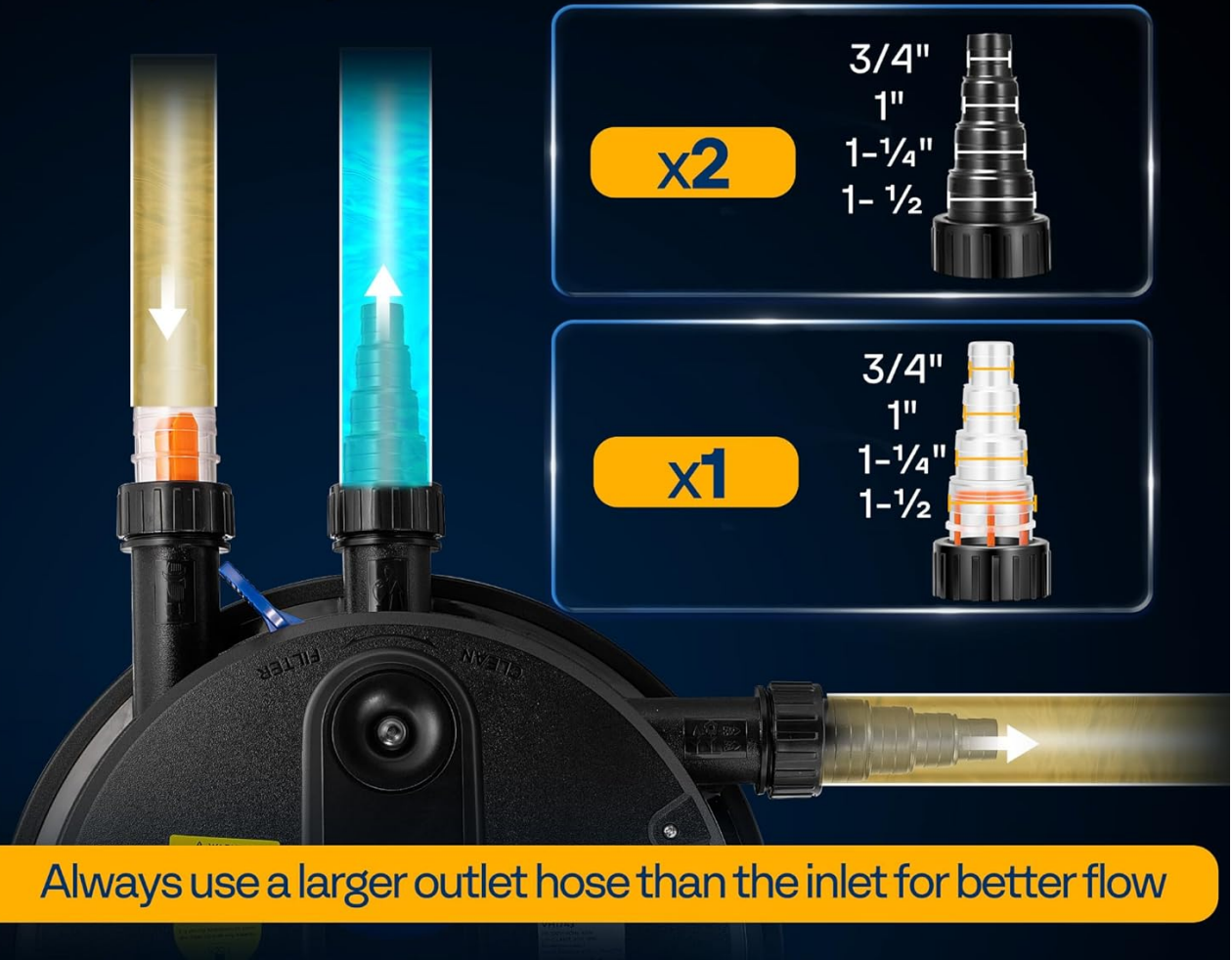


Figure 4: Multi-size adapters for flexible hose connections.

## Modular Structure

The filter features a modular structure with a detachable lid, simplifying cleaning and maintenance. This design allows for quick replacement of parts, such as the UV lamp, when necessary.

# Modular Structure

Simply lift the top lid for quick part replacement or maintenance



Figure 5: Modular design for easy access to internal components.

## SETUP AND INSTALLATION

Proper setup is crucial for the optimal performance of your VIVOHOME pond filter. Follow these steps for installation:

- 1. Placement:** Position the filter on a stable, level surface near your pond. Ensure it is easily accessible for maintenance. The filter can be partially buried for aesthetic purposes, as shown in Figure 6.
- 2. Hose Connection:**
  - Identify the inlet, outlet, and sewage exit ports on the filter. Clear symbols are provided for easy identification.
  - Select the appropriate multi-size adapters for your hoses. Ensure a secure, watertight fit.
  - Connect the pond pump (not included) to the filter's inlet port.

- Connect the outlet hose to direct filtered water back into the pond. Remember, the outlet hose should be at least one size larger than the inlet for better flow.
  - Connect a hose to the sewage exit port for draining dirty water during cleaning cycles. This water can be used as fertilizer.
3. **Power Connection:** Connect the power cord to a suitable outdoor-rated power outlet. Ensure the outlet is protected from water.
  4. **UV Lamp Timer Setting:** Set the UV lamp timer to your desired operating duration (0H, 12H, or 24H) using the timing switch. This helps extend the lamp's lifespan.



Figure 6: Filtering process diagram, showing connections and water flow.

## Installation Video Guide

Video 1: This video demonstrates the setup and installation process of the VIVOHOME Auto-Cleaning Pressurized Bio Pond Filter, including connecting hoses and initial setup steps.

## OPERATING INSTRUCTIONS

Once installed, operating the VIVOHOME pond filter is straightforward:

1. **Power On:** Ensure all connections are secure and the unit is properly placed. Plug in the power cord.
2. **Filter Mode:** The filter will typically operate in FILTER mode, continuously circulating and cleaning pond water.
3. **UV Lamp Timer:** The built-in 18W UV lamp can be set to operate for 0, 12, or 24 hours using the timing switch. Adjust this setting based on your pond's needs and to optimize lamp lifespan.
4. **Monitoring Cleaning Indicator:** Observe the cleaning indicator buoy on the top of the unit. If the buoy floats, it indicates that sponge cleaning is needed.

## MAINTENANCE

Regular maintenance ensures the longevity and efficiency of your pond filter.

### Sponge Cleaning (Weekly Recommended)

It is recommended to clean the filter sponges once a week to maintain optimal performance. The automatic cleaning function simplifies this process:

1. When the cleaning indicator buoy floats, switch the function switch to CLEAN mode.
2. The internal motor will automatically rotate to clean the sponges.
3. A "beep" sound will indicate the completion of the cleaning cycle. Switch the function switch back to FILTER mode.
4. The dirty water will be discharged through the sewage exit port.

### UV Lamp Replacement

The built-in 18W UV lamp has an estimated lifespan of 8000 hours. Replace the lamp when its effectiveness diminishes or it ceases to function. A separate lamp replacement guide and an extra lamp are included for your convenience.

1. **Step 1:** Disconnect power to the filter. Remove the top cover by unscrewing the retaining screws.
2. **Step 2:** Locate the lamp connection. Rotate and detach the connection nut to disconnect the lamp.
3. **Step 3:** Carefully remove the old lamp from its holder. Install the new lamp, ensuring it is securely seated.
4. **Step 4:** Reconnect the lamp connection, tighten the nut, and reassemble the top cover securely. Ensure all parts are properly sealed before restoring power.

*Refer to the included lamp replacement guide for detailed visual instructions.*

## TROUBLESHOOTING

If you encounter issues with your VIVOHOME pond filter, consider the following common solutions:

- **Reduced Water Flow:** Check for blockages in hoses or the filter media. Ensure the pump is operating correctly and the filter sponges are clean.
- **Cloudy Water:** Verify that the filter is running continuously. Check the condition of the UV lamp and replace if necessary. Ensure regular sponge cleaning is performed.
- **UV Lamp Not Lighting:** Check power connections. Ensure the lamp is correctly installed and not at the end of its lifespan. Replace the lamp if it is faulty.
- **Automatic Cleaning Not Activating:** Ensure the function switch is correctly set to CLEAN mode. Check for any obstructions preventing the motor from rotating.

For persistent issues, contact VIVOHOME customer support.

## SPECIFICATIONS

Feature	Detail
Product Dimensions	15 x 15 x 21.7 inches
Item Weight	20.5 pounds
Manufacturer	VIVOHOME
Item Model Number	VH1743
Max Flow Rate	2640 GPH (10000 L/H)
UV Light Power	18W
Ornamental Pond Capacity	Up to 3170 Gallons
Koi Pond Capacity	Up to 1585 Gallons
Waterproof Rating	IP44

# Specifications

Package Size: **16.5 x 16.5 x 23.2 in**

Package Weight: **22.7 lb**

Model: **CPU-10000**

Filter Volume: **25 L**

Power of Light: **18 W**

Max Flow-Through:  
(10000 L/H) **2640 GPH**

Strainer Surface: **215 sq.ft**

Power Cord Length: **13.1 ft**

Voltage: **AC 110-120 V/60 Hz**

Ponds with Fish: **6 m<sup>3</sup> / 1585 Gal**

Decorative Ponds: **12 m<sup>3</sup> / 3170 Gal**



Figure 7: Product dimensions and key technical specifications.

## WARRANTY AND SUPPORT

VIVOHOME products are manufactured with quality and durability in mind. For warranty information, technical support, or to purchase replacement parts, please visit the official VIVOHOME website or contact their customer service department. Keep your purchase receipt for warranty claims.

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