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VIVOGROW VGPF-1600

VIVOGROW Bio Pressure Pond Filter Model VGPF-1600

Instruction Manual

1. Introduction

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your VIVOGROW Bio Pressure Pond Filter, Model VGPF-1600. Please read these instructions thoroughly before use and retain them for future reference.

2. Safety Information

Observe the following safety precautions to prevent injury or damage to the product:

- Ensure the power supply matches the specifications of the filter.
- Always disconnect power before performing any maintenance or cleaning.
- Do not operate the filter if any part is damaged, especially the power cord or UV lamp.
- Keep electrical connections dry and away from water.
- The UV-C lamp emits harmful radiation. Never operate the UV-C lamp outside the filter housing or look directly at the light.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

3. Product Overview

The VIVOGROW Bio Pressure Pond Filter is designed to maintain clear and healthy pond water. It combines mechanical and biological filtration with a built-in UV-C clarifier to effectively remove suspended particles, harmful bacteria, and algae.

Key Features:

- **Powerful Filtration:** Maximum flow-through of 1580 GPH (6000 L/H).
- **UV-C Light:** Integrated 13W UV-C lamp for water purification.
- **Durable Construction:** Made from high-quality, insulated, and sunlight-resistant ABS material.
- **Multi-Layer Sponges:** Equipped with 4 replaceable filter sponges for comprehensive filtration.
- **Cleaning Indicator:** Visual indicator for timely filter cleaning.

- **Versatile Installation:** Can be installed on land or partially submerged.

Filtration Process:



Image: Internal view of the filter, highlighting the 13W UV-C lamp and durable ABS material.



Image: Illustration of the 4-layer filtration system, showing different sponge densities for effective particle capture.

4. Setup and Installation

Follow these steps to properly set up your VIVOGROW Bio Pressure Pond Filter:

4.1 Component Check

Unpack all components and ensure everything is present and undamaged. Refer to the specifications section for a list of included parts.

4.2 Filter Placement

The filter can be installed on land next to your pond or partially submerged. Ensure it is placed on a stable, level surface. The pump (sold separately) should be placed in the pond, and the filter should be positioned so that the outlet can return clean water to the pond.



Image: The pond filter in an outdoor setting, demonstrating typical placement and hose connections.

4.3 Connecting Water Pipes

The filter features integrated inlet and outlet interfaces designed to fit various pipe diameters. Select the appropriate pipe fittings (1", 3/4", 1-1/4") for your pump and return lines.



Image: Detailed view of the filter's inlet/outlet design with various pipe fitting options.

4.4 Filter Material Installation

Ensure the 4 replaceable filter sponges are correctly seated within the filter housing. The filter is designed for easy assembly without special tools.

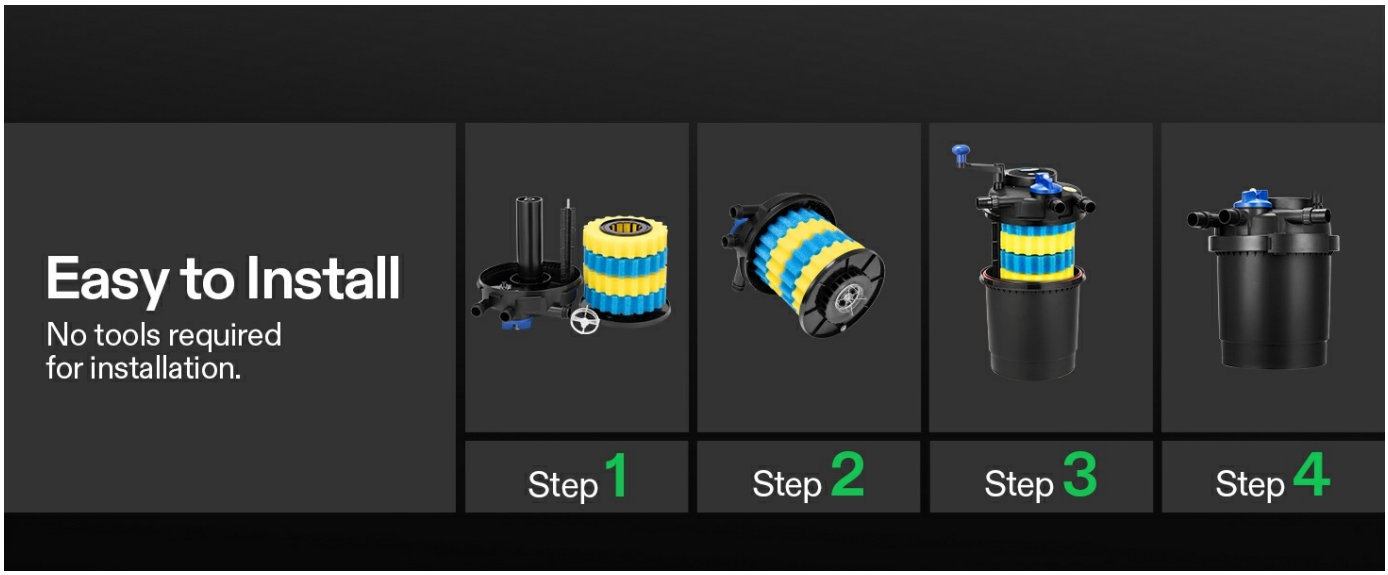


Image: Step-by-step visual guide for filter assembly and installation.

4.5 Video Guide: Installation Overview

Video: An official VIVOGROW video demonstrating the setup and features of the Bio Pressure Pond Filter.

5. Operating Instructions

Once installed, operate your VIVOGROW Bio Pressure Pond Filter as follows:

5.1 Initial Start-up

After connecting all hoses and ensuring secure fittings, plug in your pond pump (not included) and the filter's power cord. Water will begin to flow through the filter. Allow the filter to run continuously for optimal water clarity.

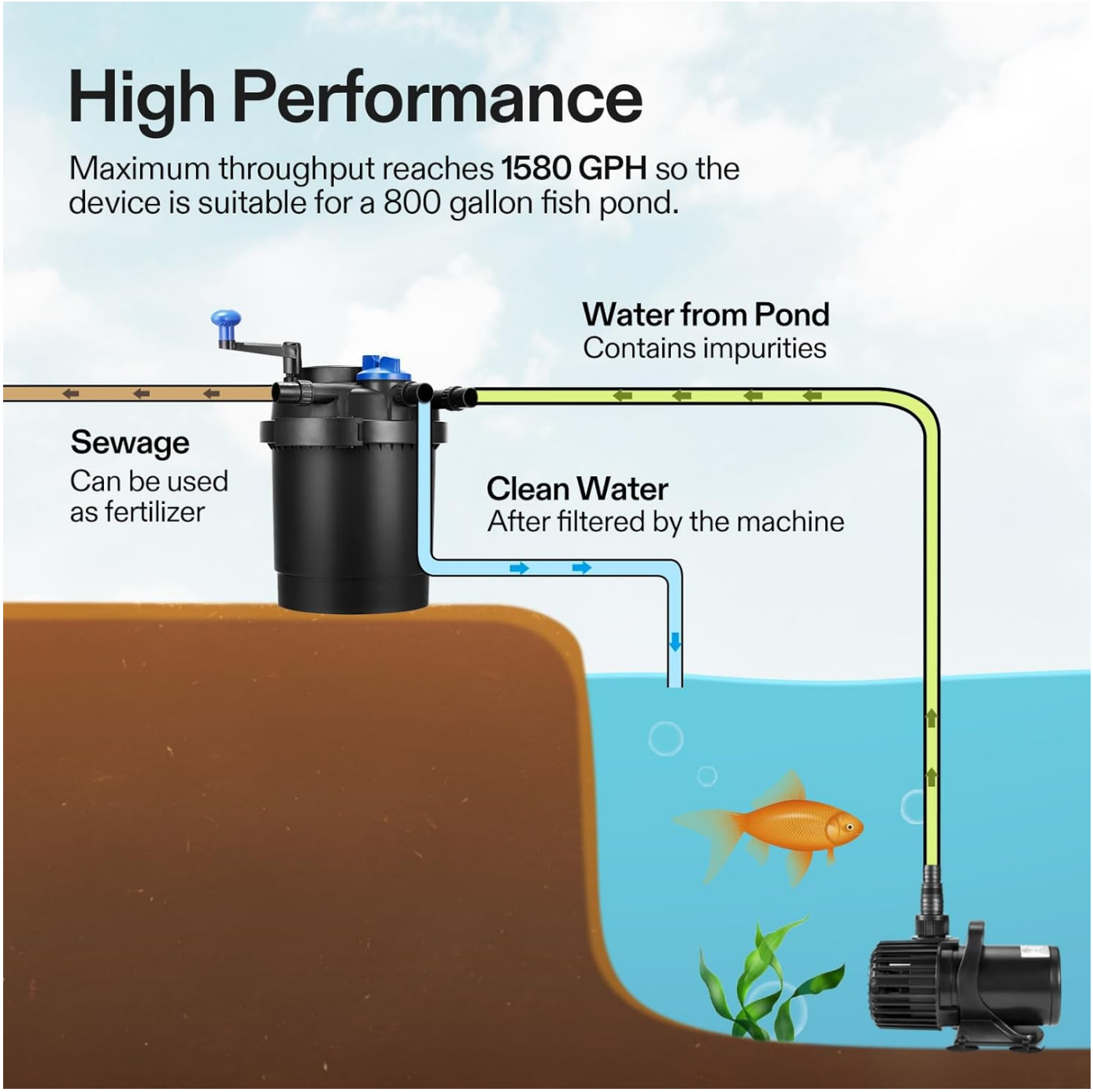


Image: Water flow diagram illustrating how the filter processes pond water, separating clean water from sewage.

5.2 Pond Size Suitability

This filter is suitable for decorative ponds up to 1600 gallons and fish ponds up to 800 gallons, with a maximum flow-through of 1580 GPH.

5.3 Multi-function Switch

The top switch allows you to easily rotate and direct water flow through different ports, enabling adjustments according to your needs, such as draining for cleaning or sealing an unused outlet with a glass cover.



Image: Detailed view of the multi-function switch for controlling water flow and drainage.

6. Maintenance

Regular maintenance ensures the longevity and efficiency of your filter.

6.1 Cleaning Indicator

The filter is equipped with a cleaning indicator on the lid. When the orange turbidity meter floats up, it signals that the filter sponges require cleaning.



Image: The cleaning indicator on the filter lid, showing the orange float in its 'needs cleaning' position.

6.2 Cleaning Filter Sponges

To clean the filter sponges, turn the sponge cleaning handle on the top of the filter. This activates internal gears that clean the sponges. For a more thorough cleaning, disconnect the power, open the filter, remove the sponges, and rinse them with pond water (not tap water, to preserve beneficial bacteria).



Image: Illustration of the convenient cleaning mechanism, including the sponge cleaning handle and internal gears.

6.3 Replacing Filter Sponges and UV Lamp

Filter sponges should be replaced periodically, typically every 6-12 months, depending on pond conditions and usage. The 13W UV-C lamp should be replaced annually to maintain its effectiveness. Always use genuine VIVOGROW replacement parts.

7. Troubleshooting

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Water is not clear	• Filter sponges are dirty • UV-C lamp is old or not working • Pond size exceeds filter capacity • Insufficient water flow from pump	• Clean filter sponges (check cleaning indicator) • Replace UV-C lamp • Ensure filter is appropriate for pond size • Check pump for blockages or malfunction
Water leaking from filter	• Loose hose connections • Damaged O-rings or seals • Cracked housing	• Tighten all hose clamps and connections • Inspect and replace O-rings/seals if damaged • Contact customer support if housing is cracked
UV-C lamp not illuminating	• Lamp is burnt out • Power supply issue • Faulty ballast	• Replace UV-C lamp • Check power connection and circuit breaker • Contact customer support

8. Specifications

Technical details for the VIVOGROW Bio Pressure Pond Filter Model VGPF-1600:

Feature	Detail
Model Number	VGPF-1600
UV-C Power	13 W
Volume	16 L
Rated Pressure	0.3 Bar
Max Flow-through	1580 GPH (6000 L/H)
Material	ABS
Weight	9.4 pounds
Water Resistance	IP44
Voltage	110-120 V / 60 Hz
Product Dimensions	12.2 x 12.2 x 18.5 inches



Image: Visual representation of the filter's dimensions and included inlet/outlet fixing nuts.

9. Warranty Information

VIVOGROW products are manufactured to high-quality standards. For specific warranty details, including coverage period and terms, please refer to the warranty card included with your product or visit the official VIVOGROW website. Keep your proof of purchase for warranty claims.

10. Customer Support

If you have any questions, require technical assistance, or need to order replacement parts, please contact VIVOGROW customer support through the official website or the contact information provided with your purchase. Our team is available to assist you.

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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