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> [Bio Pressure Pond Filter, with 13W UV-C Light, 1050 GPH Suitable for Koi Ponds up to 500 Gallons or Landscape Pools up to 1050 Gallons User Manual](#)

VIVOGROW VGPF-1100

VIVOGROW Bio Pressure Pond Filter User Manual

Model: VGPF-1100 | Brand: VIVOGROW

INTRODUCTION

Thank you for choosing the VIVOGROW Bio Pressure Pond Filter. This manual provides essential information for the safe and efficient operation, installation, and maintenance of your new pond filter. This filter system is designed to effectively remove suspended matter and purify water in your pond, ensuring a healthy and clear aquatic environment.

The VGPF-1100 model is suitable for decorative ponds up to 1050 gallons and fish ponds up to 500 gallons, offering a maximum flow-through of 1050 GPH (4000 L/H).

SAFETY INFORMATION

- Always disconnect the power supply before performing any maintenance, cleaning, or installation procedures.
- Ensure the filter is placed on a stable, level surface.
- Do not operate the filter if the power cord or plug is damaged.
- Keep the filter away from direct sunlight and extreme temperatures to prolong its lifespan.
- This product is designed for outdoor pond use only.
- Ensure all connections are secure and watertight to prevent leaks.

PACKAGE CONTENTS

Please check the package to ensure all components are present:

- VIVOGROW Bio Pressure Pond Filter Unit
- 3 x Replaceable Filter Sponges (pre-installed)
- 1 x 13W UV-C Lamp (pre-installed)
- 2 x 1-inch Inlet & Outlet Fittings
- 2 x 3/4-inch Inlet & Outlet Fittings

- 2 x Inlet & Outlet Fixing Nuts
- Instruction Manual

SETUP GUIDE

Unpacking

Carefully remove all components from the packaging. Inspect for any damage during transit. Retain packaging for future storage or transport.

Installation

1. **Choose Location:** The filter can be installed on land or partially buried near your pond. Ensure it is easily accessible for maintenance. The pump (not included) should be placed in the pond.
2. **Connect Inlet/Outlet:** Select the appropriate size water pipe fittings (1-inch or 3/4-inch) for your hoses. Securely attach your pond pump's outlet hose to the filter's inlet port and the filter's outlet port to your desired water return (e.g., waterfall, pond return). Use the provided fixing nuts to ensure a tight seal.
3. **Secure Hoses:** Use hose clamps (not included) on all hose connections to prevent leaks.
4. **Power Connection:** Ensure the filter is correctly positioned and all connections are secure before plugging the unit into a grounded electrical outlet.

High Performance

Maximum throughput reaches **1050 GPH** so the device is suitable for a **530** gallon fish pond.

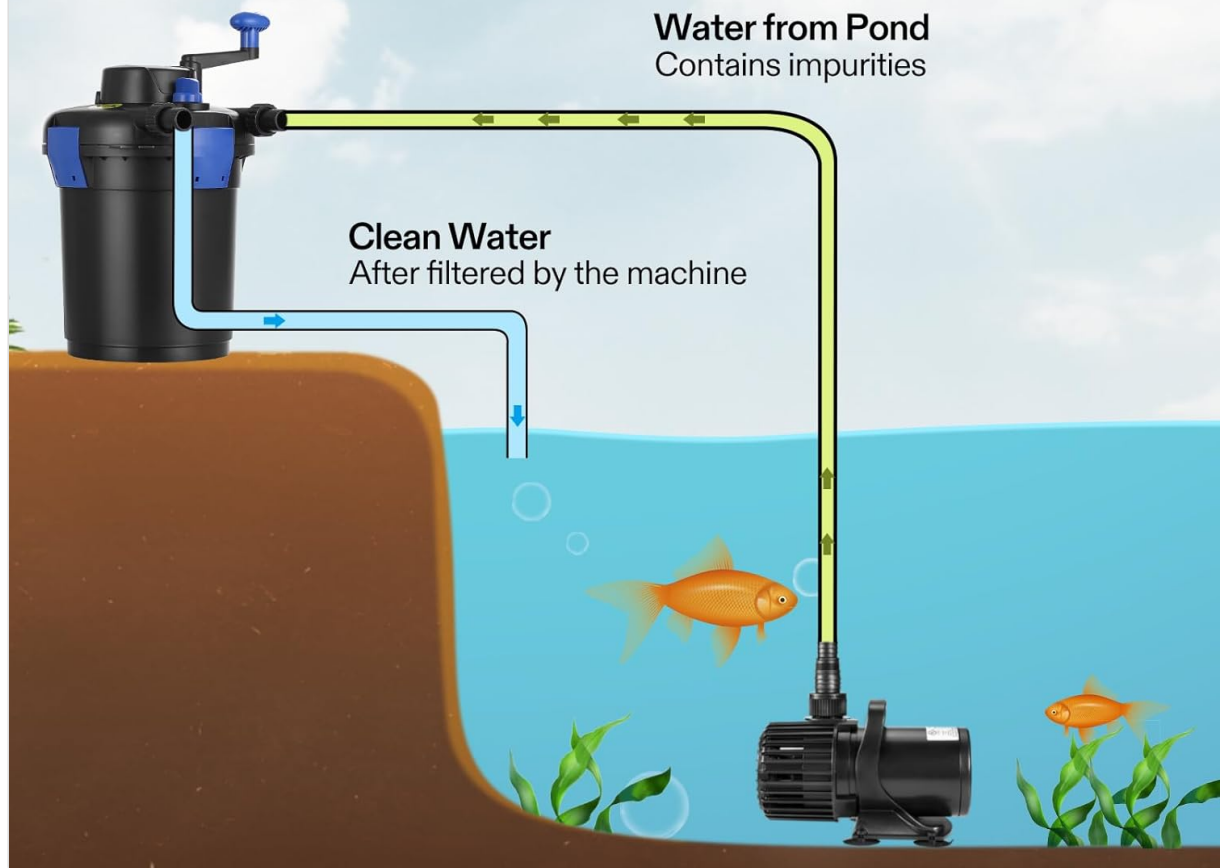


Figure 1: Easy Installation Steps

Crafted Design

Water Pipe Fittings Available in 2 Sizes



Figure 2: Water Pipe Fittings and Connections

Specifications

UV-C Power: 9 W

Volume: 8 L

Rated Pressure: 0.2 Bar

Max Flow-through: 1050 GPH

Material: ABS

Weight: 6.8 lb

Water Resistance: IP44

Voltage: 110-120 V / 60 Hz 12 W



Figure 3: Pond Filter System Diagram

OPERATING INSTRUCTIONS

Initial Operation

Once installed and connected, plug in your pond pump (if separate) and then the filter unit. The filter will begin processing water. It may take several days for the pond water to become visibly clear, depending on its initial condition.

Function Switch

The filter features a multi-function switch on the top. This switch allows you to easily rotate and adjust the flow for normal filtration or to drain through both ports for cleaning or maintenance. Refer to the markings on the switch for 'CLEAN' and 'FILTER' positions.

Biological Durable Filtration

Provides clear water with durable and easy-to-install filter replacements.

3
Layers

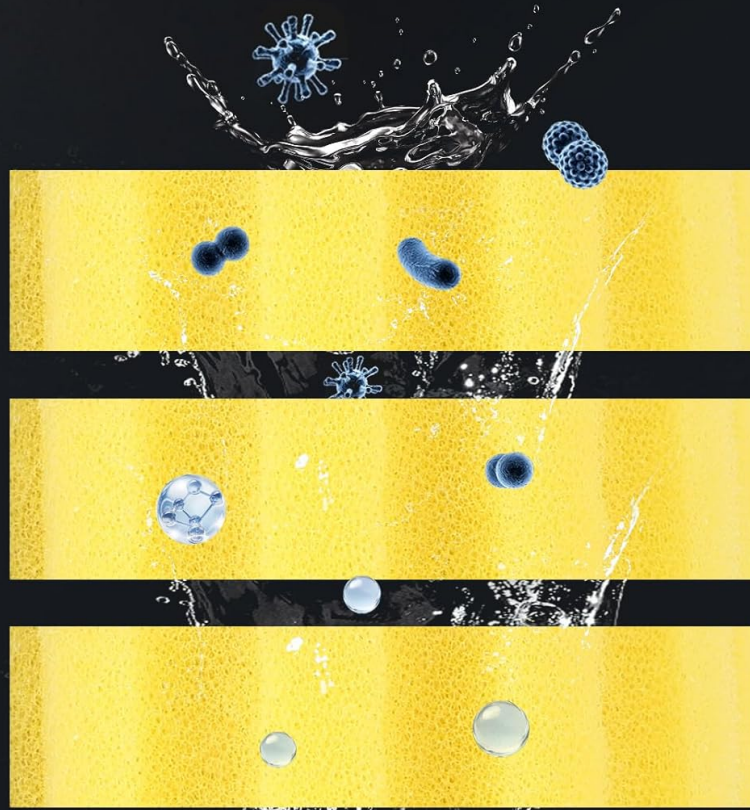


Figure 4: Multi-function Switch

Cleaning Indicator

The top of the lid includes a cleaning indicator. When the orange turbidity meter floats up, it indicates that the filter sponges require cleaning to maintain optimal performance.

MAINTENANCE

Filter Sponge Cleaning

Regular cleaning of the filter sponges is crucial for maintaining water quality. The VIVOGROW filter offers a convenient cleaning mechanism:

1. **Disconnect Power:** Always unplug the filter unit and pump before cleaning.
2. **Activate Cleaning:** Turn the handle on top of the filter to activate the internal gears, which will clean the filter sponges.
3. **Drain Dirty Water:** Rotate the function switch to the 'CLEAN' position to drain the dirty water from the filter.
4. **Rinse:** Continue turning the handle and draining until the water runs clear.

- Resume Operation:** Once clean, return the function switch to the 'FILTER' position and reconnect power.



Figure 5: Convenient Cleaning Mechanism

UV Lamp Maintenance

The built-in UV lamp purifies water as it passes through. The UV lamp has a limited lifespan and will need replacement periodically (typically every 8-12 months of continuous use). Refer to the product specifications for the correct replacement lamp type (13W UV-C). Disconnect power and follow the instructions for accessing and replacing the UV lamp, ensuring proper sealing upon reassembly.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Water not clearing	Clogged filter sponges; UV lamp not working; Pond size exceeds capacity; Insufficient pump flow.	Clean filter sponges; Check UV lamp (replace if needed); Verify pond size is within filter's capacity; Ensure pump flow matches filter requirements.

Problem	Possible Cause	Solution
Water leakage	Loose hose connections; Damaged O-rings/gaskets; Cracked housing.	Tighten hose clamps; Inspect and replace O-rings/gaskets; Contact support if housing is cracked.
UV lamp not illuminating	Lamp burnt out; Faulty ballast; No power.	Replace UV lamp; Check power connection; Contact support if ballast is suspected.
Low water flow from filter	Clogged filter sponges; Inlet/outlet blocked; Pump issue.	Clean filter sponges thoroughly; Check for obstructions in hoses/ports; Inspect pond pump for proper operation.

SPECIFICATIONS

Feature	Specification
Model Number	VGPF-1100
Max Flow-through	1050 GPH (4000 L/H)
UV-C Power	13W
Suitable for Decorative Ponds	Up to 1050 Gallons
Suitable for Fish Ponds	Up to 500 Gallons
Volume	8 L
Rated Pressure	0.2 Bar
Material	High-quality ABS
Item Weight	6.8 pounds
Product Dimensions	9.8 x 9.8 x 16 inches
Voltage	110-120 V / 60 Hz
Water Resistance	IP44

High-Quality Material

Uses advanced biotechnology to improve water quality.



Built-in 13W UV-C Lamp Tube
Reduces water pollution.



ABS Material
Highly insulated and resistant to sunlight and wear.



Figure 6: Product Dimensions and Fittings

WARRANTY AND SUPPORT

VIVOGROW products are manufactured to high-quality standards. For specific warranty details, please refer to the product packaging or contact VIVOGROW customer support. If you encounter any issues or have questions regarding your Bio Pressure Pond Filter, please reach out to our customer service team for assistance.