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VIVOGROW VGPF-1100

VIVOGROW Bio Pressure Pond Filter with 13W UV-C Light

Model: VGPF-1100

1. Introduction

Thank you for choosing the VIVOGROW Bio Pressure Pond Filter. This filter system is designed to maintain clear and healthy water in your pond or landscape pool. It features a powerful filtration system, a built-in 13W UV-C light for water purification, and a convenient cleaning mechanism. This manual provides essential information for safe installation, operation, and maintenance of your filter.

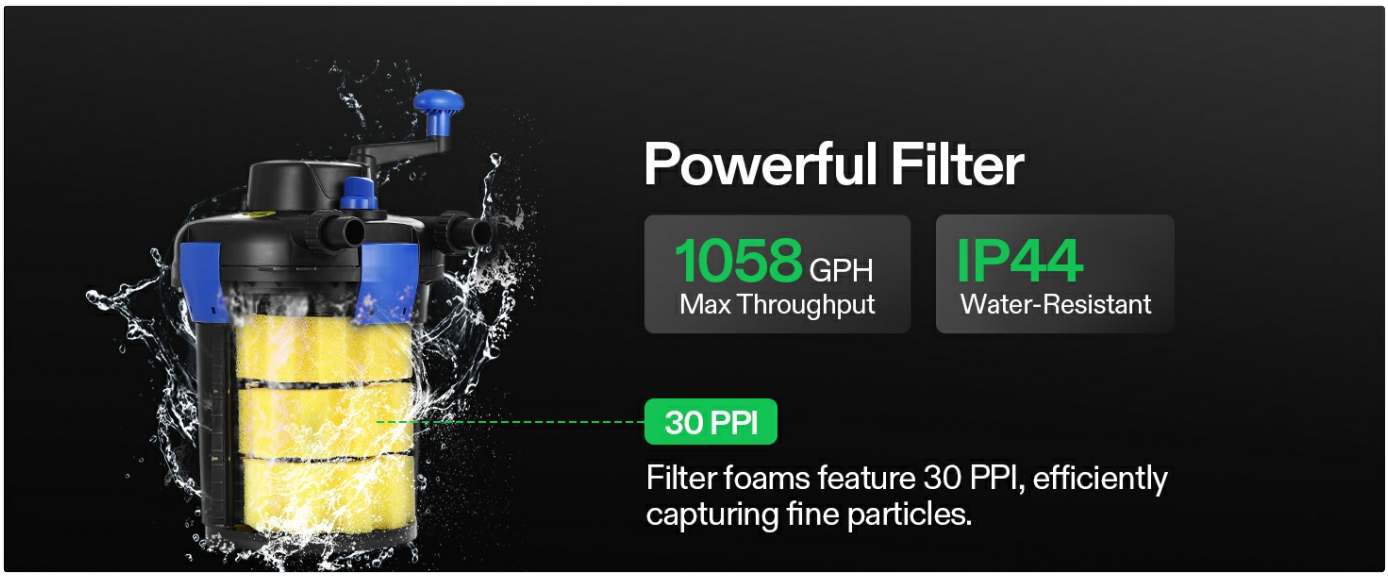


Image 1.1: The VIVOGROW Bio Pressure Pond Filter, highlighting its 1058 GPH maximum throughput and IP44 water-resistant rating, indicating efficient and durable performance.



Image 1.2: The filter is suitable for a wide range of applications, including garden ponds, fish ponds, and landscape pools, ensuring clear water in diverse aquatic environments.

2. Safety Information

Please read all safety instructions carefully before operating the filter. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure the power supply matches the voltage specified on the product label.
- Always disconnect the power supply before performing any maintenance, cleaning, or when the filter is not in use.
- Do not operate the filter if the power cord or plug is damaged.
- Keep the filter away from heat sources and direct sunlight to prevent material degradation.
- 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.
- The UV-C lamp emits harmful radiation. Never look directly at the UV-C lamp when it is illuminated.
- Ensure all connections are secure and watertight to prevent leaks.

3. Product Components

Familiarize yourself with the main parts of your VIVOGROW Bio Pressure Pond Filter:

- **Filter Housing:** The main body of the filter.
- **Lid Assembly:** Contains the UV-C lamp, cleaning mechanism, and control switch.
- **Sponge Cleaning Handle:** Used to clean the filter sponges without opening the unit.
- **Function Switch:** Rotates to select between filtration and cleaning/drainage modes.
- **Inlet/Outlet Ports:** Connections for water pipes.
- **UV-C Lamp:** Internal lamp for sterilizing water.
- **Filter Sponges:** Multiple layers of sponges for mechanical and biological filtration.
- **Cleaning Indicator:** An orange turbidity meter on the lid that floats up when cleaning is required.
- **Hose Adapters:** Various sizes (1" and 3/4") to fit different diameter water pipes.



Image 3.1: An internal view of the filter, illustrating the 13W UV-C lamp and the multi-layered filter sponges designed for comprehensive water purification.

4. Setup and Installation

The VIVOGROW Bio Pressure Pond Filter can be installed either on land or submerged in water. Follow these steps for proper installation:

1. **Unpack Components:** Carefully remove all parts from the packaging and ensure all components listed in Section 3 are present.
2. **Install Filter Media:** Place the filter sponges and any other filter media (not included) into the filter housing according to the internal structure.
3. **Connect Hoses:** Select the appropriate hose adapters (1" or 3/4") for your water pipes. Connect the inlet hose from your pond pump to the filter's inlet port and the outlet hose from the filter's outlet port back to your pond. Ensure all connections are secured with clamps to prevent leaks. The integrated interface accommodates various pipe diameters.
4. **Position the Filter:** Place the filter in a stable location. If installing on land, ensure it is level and secure. If submerging, ensure it is fully covered by water.
5. **Connect Power:** Once all hoses are securely connected and the filter is positioned, connect the power cord to a grounded electrical outlet.

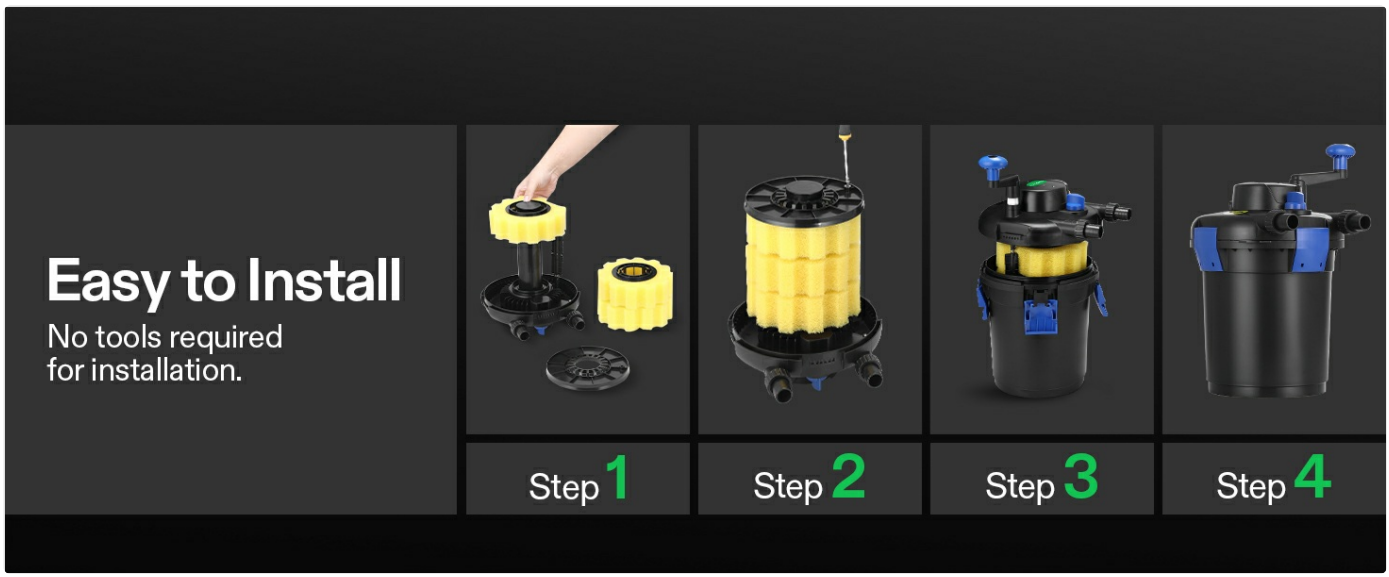


Image 4.1: A visual guide demonstrating the four-step installation process, from assembling the filter media to connecting the hoses and

positioning the unit.



Image 4.2: Detail of the inlet and outlet ports, showing the integrated design that accommodates different diameter water pipes (1" and 3/4") for versatile connection options.

5. Operating Instructions

Once installed, operating your VIVOGROW Bio Pressure Pond Filter is straightforward:

1. **Start Filtration:** Ensure the function switch on the lid is set to the 'Filter' position. Turn on your pond pump. Water will flow from the pond, through the filter, and back into the pond, undergoing mechanical, biological, and UV-C purification.
2. **Monitor Cleaning Indicator:** The orange turbidity meter on the lid will float up when the filter sponges require cleaning.
3. **Switching Modes:** The top switch can be easily rotated to drain through both ports, allowing you to adjust the water flow or direct it for cleaning purposes.



Image 5.1: This diagram illustrates the high-performance filtration process, showing how water from the pond containing impurities is filtered by the machine and returned as clean water.

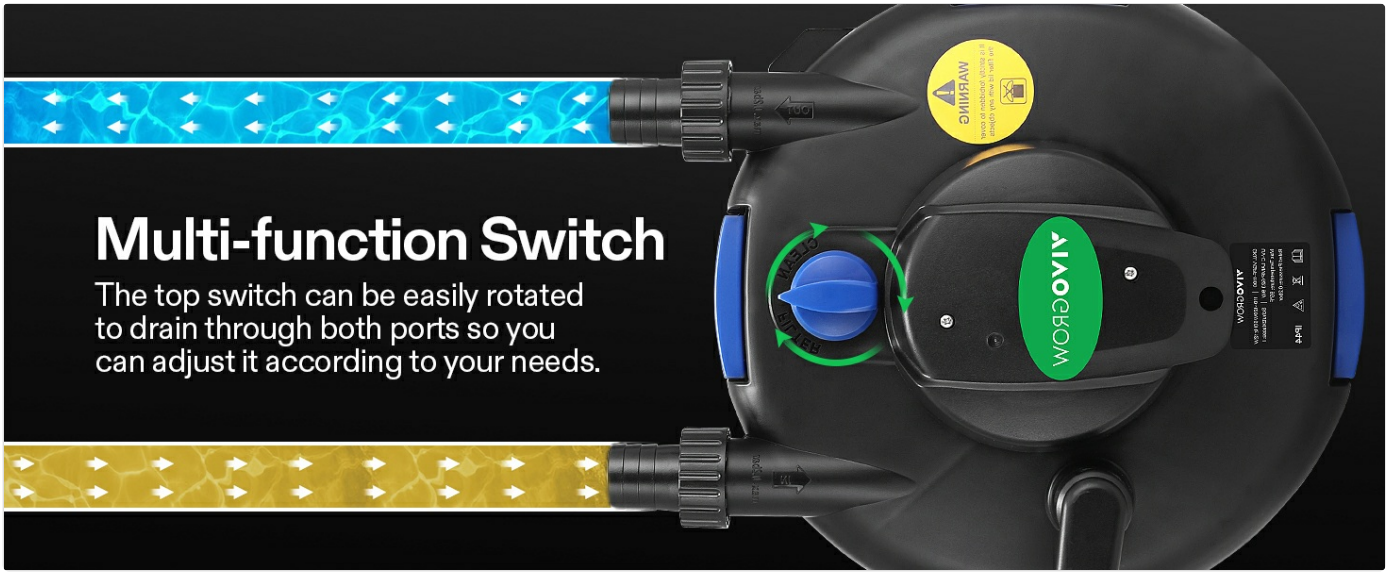


Image 5.2: A detailed view of the multi-function switch, demonstrating its rotation capability to direct water flow through different ports for filtration or drainage as needed.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your pond filter.

6.1. Cleaning Filter Sponges

When the orange cleaning indicator floats up, it's time to clean the filter sponges:

1. **Disconnect Power:** Always turn off and unplug the pond pump and filter before cleaning.
2. **Activate Cleaning Mechanism:** Rotate the function switch to the 'Clean' position. Turn the sponge cleaning handle several times to agitate and clean the filter sponges. This action dislodges accumulated debris.
3. **Drain Dirty Water:** The dirty water will be expelled through the drainage port. Direct this water away from your pond, ideally to a garden area.
4. **Return to Filtration:** Once the water runs clear, rotate the function switch back to the 'Filter' position. Reconnect power to resume normal operation.



Image 6.1: This image details the convenient cleaning mechanism, showing the sponge cleaning handle, the internal cleaning gear set, and the function switch for drainage.

6.2. Replacing Filter Sponges

The filter includes 3 replaceable filter sponges. Over time, these may need replacement for optimal biological filtration.

- **Access Sponges:** Disconnect power, then open the filter lid.
- **Remove Old Sponges:** Carefully remove the old filter sponges.
- **Insert New Sponges:** Place new VIVOGROW replacement sponges into the filter housing.
- **Secure Lid:** Close and secure the filter lid, ensuring a watertight seal.



Image 6.2: This diagram illustrates the three layers of filter sponges, highlighting their role in biological filtration by capturing various impurities and microorganisms.

6.3. UV-C Lamp Replacement

The UV-C lamp has a limited lifespan and should be replaced periodically (e.g., annually) to maintain its effectiveness. Refer to the product's specific UV-C lamp replacement instructions for detailed steps.

7. Troubleshooting

If you encounter issues with your VIVOGROW Bio Pressure Pond Filter, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Water is not clear	Clogged filter sponges UV-C lamp not working or expired Pond pump insufficient Filter size inadequate for pond volume	Clean filter sponges using the handle Check UV-C lamp indicator; replace if necessary Ensure pond pump is operating correctly and has adequate flow rate Verify filter capacity matches pond size
Water leaking from filter	Loose hose connections Improperly sealed lid Damaged O-rings or seals	Tighten hose clamps Ensure lid is correctly seated and latches are secure Inspect and replace any damaged O-rings or seals
UV-C lamp indicator not lit	Lamp burned out Power issue Faulty indicator	Replace UV-C lamp Check power connection to the filter Contact customer support if lamp is new and power is confirmed
Low water flow from filter	Clogged filter sponges Blocked inlet/outlet hoses Pond pump issue	Clean filter sponges Inspect hoses for blockages Check pond pump for proper operation

8. Specifications

Key technical specifications for the VIVOGROW Bio Pressure Pond Filter (Model VGPF-1100):

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



Image 8.1: This diagram provides key specifications including dimensions (9.8" x 16"), suitable pond capacities for both decorative and fish ponds, and included inlet/outlet fixing nuts.

9. Warranty and Support

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official VIVOGROW website. Keep your proof of purchase for any warranty claims.

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