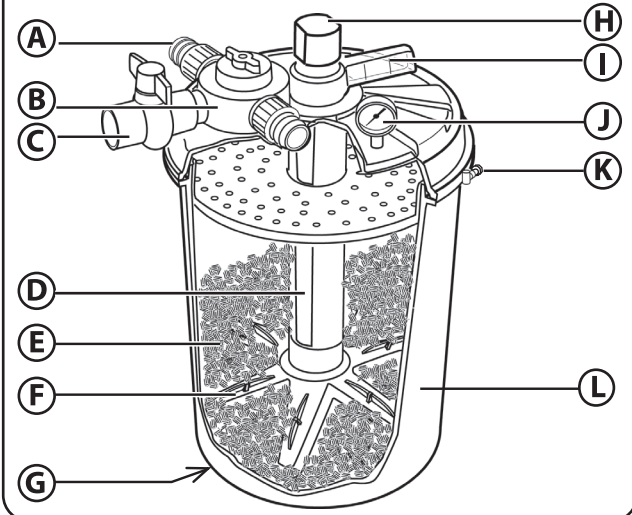


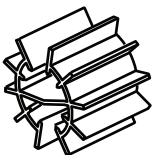
PONDMASTER®

LOW PRESSURE FILTER SYSTEM

FEATURES



- A - Quick Connect Hose Fitting** - For easy tool-free hose removal and reassembly.
- B - Clear Multiport Valve** - Control and visually monitor water clarity during backwash/rinse operation.
- C - Waste Port Valve** - Convenient ball valve directs waste water.
- D - UV Lamp (PUV Models only)** - Internal long thin bulb assembly forces water close to bulb for longer contact time with rays. Can be added to all models.
- E - Bio-Matrix Media** - Reusable media affords maximum surface area for beneficial bacterial growth.
- F - Agitator** - Efficiently unlocks waste from media with minimum water loss during backwash/rinse.
- G - Optional Bottom Valve (Not Shown)** - Available and recommended to facilitate seasonal draining.
- H - UV Lamp Ballast (PUV Models only)** - Top mount for convenient access. Can be added to all models.
- I - Agitator Handle** - Dual purpose - Manually turns internal agitator; also allows safe monitoring of UV Lamp status.
- J - Pressure Gauge** - Displays internal pressure to indicate any changes that may require immediate maintenance.
- K - Stainless Steel Clamp** - Stainless steel security with Hex Locknut.
- L - Heavy Duty Poly Canister** - Weather proof -- designed for burial near pond.

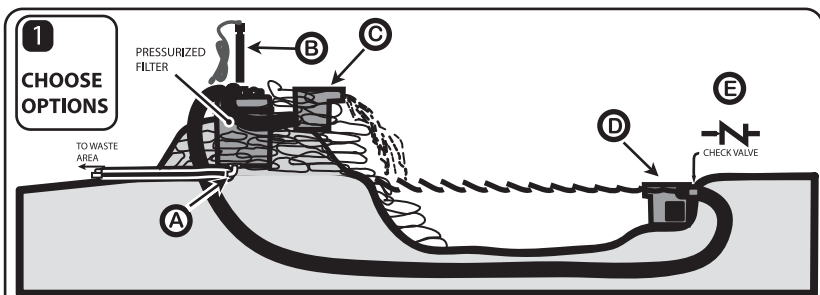


For Your Information:
Each piece of Bio-Matrix Media has 2.25 square inches of surface area available for beneficial bacterial colonization.

Basic Setup Guide See Additional instructions for important details

PUV-4000, PUV-2000, PUV-1000 - Biological, Mechanical and Ultraviolet Filtration
P - 4000, P - 2000, P - 1000 - Biological and Mechanical Filtration (UV Clarifier not included)

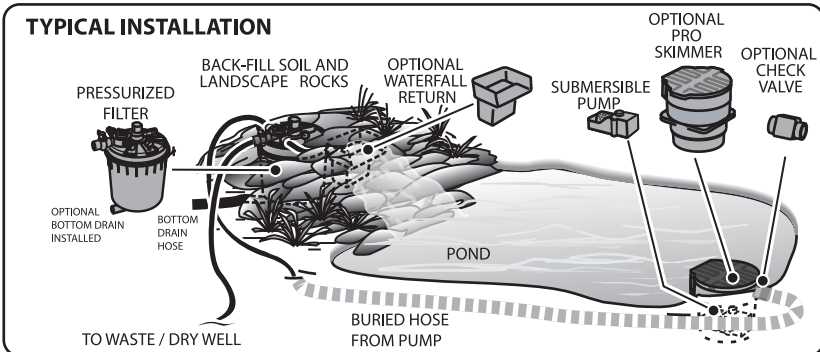
DO NOT OPEN FILTER!
It is completely assembled and pressure tested at the factory
See Section 9 of main instructions



- 1 CHOOSE OPTIONS**
- A BOTTOM DRAIN** • Simplifies winter Maintenance; drains water from the bottom.
- B ULTRAVIOLET CLARIFIER** • Uses ultraviolet light to inhibit algae from reproducing.
- C PRO BIOLOGICAL FILTER AND FALLS** • Produces a dramatic waterfall effect.
- D PRO SKIMMER** • Keeps debris away from intake. Skims, protects pump.
- E CHECK VALVE** • Best installed between pump and filter.
- F VALVED BYPASS (Not Shown)** • Split water flow between filter and a waterfall.

- 2 GATHER MATERIALS**
- To set up the filter you will need to supply the following items.
 - Hoses - - 1 1/2" Flexible hose (recommended)
 - Stainless Steel Hose Clamps - - for connections to pump and filter drain
 - Plumber's Teflon tape
 - In-Line Check Valve
 - 1 1/2" insert MPT by BARB adapter for waste valve
- OTHER SUPPLIES MAY BE NECESSARY FOR OPTIONS AND ACCESSORIES CHOSEN.

- 3 CHOOSE LOCATION and DETAILS**
- This filter must be connected to an external water pump. The water pump can be submersible or above ground depending on your preference. Pondmaster makes several perfectly matched pumps and accessories to complete your filter system. Please note the following:
 - The intake for the water pump should be positioned at the opposite end of the pond from the water return.
 - The filter drum must be buried up to an inch below the pressure clamp. If positioned above ground use the backfill from digging the pond.



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4 CHOOSE PUMP **IMPORTANT INFORMATION!** Your Pressurized Filter System works best within a certain range of flow and pressure. Exceeding these values will cause leakage or breakage of filter or its components.

PRESSURIZED FILTER	MAXIMUM PUMP CAPACITY (GAL/HR)	MAXIMUM BASELINE PRESSURE (P.S.I.)	FOR POND SIZED (GALLONS)
P1000 or PUV1000	2000	5	UP to 1000
P2000 or PUV2000	2000	5	UP to 2000
P4000 or PUV4000	4000	5	Above 2000

NOTE: If the pump you would like to use exceeds these values, use a Valved Bypass.

5 SET UP HOSES Unpack the Main filter unit. It is completely factory assembled and pressure tested. Do not open the cover. If your filter includes the UV Clarifier, place it aside until after the filter is in its final mounted position. Installation details of the UV Clarifier are included.

ATTACH QUICK CONNECTS AND WASTE VALVE

ATTACH HOSES

6 TEST SETUP Before turning on pump, set valves as shown in the FILTER SETTINGS illustration. Other settings will be used for maintenance.

FILTER SETTINGS

BACKWASH SETTINGS

RINSE SETTINGS

- 1) The **Waste Port Valve** should be in the **CLOSED** position.
 - 2) Turn the **Multiport Valve** to the **FILTER** position.
 - 3) Turn on the pump and check the hoses and clamps.
- 1) The **Waste Port Valve** should be in the **OPEN** position.
 - 2) Turn the **Multiport Valve** to the **BACKWASH** position.
 - 3) Agitate the filter media by moving the agitator handle back and forth.
- 1) With **Waste Port Valve** open turn main valve to **RINSE** position.
 - 2) Move the agitator handle back and forth until water clears up.
 - 3) Turn the **Multiport knob** back to the **FILTER** position and close the **Waste Port Valve** to resume filtering. Backwash regularly and check gauge weekly.

7 GAUGE The Pressure Gauge may provide a reading immediately once filter is set up and running.

The reading will vary based on your particular set-up; it should never exceed 5 PSI. Once filtering, the PSI should continue to read close to the baseline until debris starts to accumulate in the filter.

NOTE: PRESSURE SHOULD NOT BUILD BEYOND 8 PSI. IF IT DOES, BACKWASH IMMEDIATELY TO PREVENT DAMAGE TO THE FILTER.

NOTE: This page is for quick overview. Please refer to enclosed instruction sheet to properly set up and use this filter!