



## Effective Solids Capture/Bio-Filtration with All Natural FilterClay Media

Our PSP (Pressurized Sinking Pellet) Filters are specifically designed for “Heavy Solid Waste” applications, such as ornamental fish ponds. PSP Filters combine our FilterClay pellet media with the right filter laterals to create a simple yet efficient solid waste handling filter. PSP Filters are a multi-functional filter, effectively accomplishing both solids-capture and bio-filtration, due to the unique characteristics of our FilterClay Media.

### Better than Sand

FilterClay’s 4-8 mm size and density resist caking and channeling, a common problem with fine sand media when used in heavy solid waste applications.

### Better than Floating Beads

FilterClay sinks and therefore does not require “clogging filter screens” to keep it inside the filter; a common problem associated with floating bead filters.

### PSP Specifications

Model No.	Description	Pond Size Suggested/Max.	Max. Water Flow Rate GPH/GPM	15 PSI/35 Ft. Hd.			
				FilterClay Media Amount	Filter Dimensions Ø x H	In/Out Port	Matching UV Model/Watt
01751	PSP-1 Top-Mount	2,100/4,200 Gal.	2,100/35	35#	16" x 31"	1.5"	025050/50 Watts
01752	PSP-2 Top-Mount	2,600/5,200 Gal.	2,600/43	65#	18" x 33"	1.5"	025080/80 Watts
01753	PSP-3 Top-Mount	3,300/6,600 Gal.	3,300/55	75#	20" x 32"	1.5"	025080/80 Watts
01754	PSP-4 Top-Mount	4,800/9,600 Gal.	4,800/80	100#	24" x 33"	1.5"	025150/150 Watts



**PSP Internal Filter Laterals** have larger openings that maximize circulation within the filter during filtering and backwashing. The result is: Better solids capture and better filter media bed cleaning.



**Non-Obstructive Filter Diffuser** allows large particles of waste to exit the filter easily, without problematic screens.

### PSP Filter Advantages:

- “Fixed” Filter Media Bed provides effective solid waste capture.
- FilterClay’s size and weight allows for a more complete and efficient backwash.
- No internal clogging of filter screens (which occurs in our competitors’ filters) and no air blower is required.
- PSP diffuser allows debris/waste particles to easily exit the filter during the backwash cycle.
- FilterClay’s porous characteristics create an optimum environment for colonizing nitrifying bacteria.
- Six-way, Multi-port Filter Valve simplifies operation.
- Easy to install and maintain.
- Remote operating capabilities.

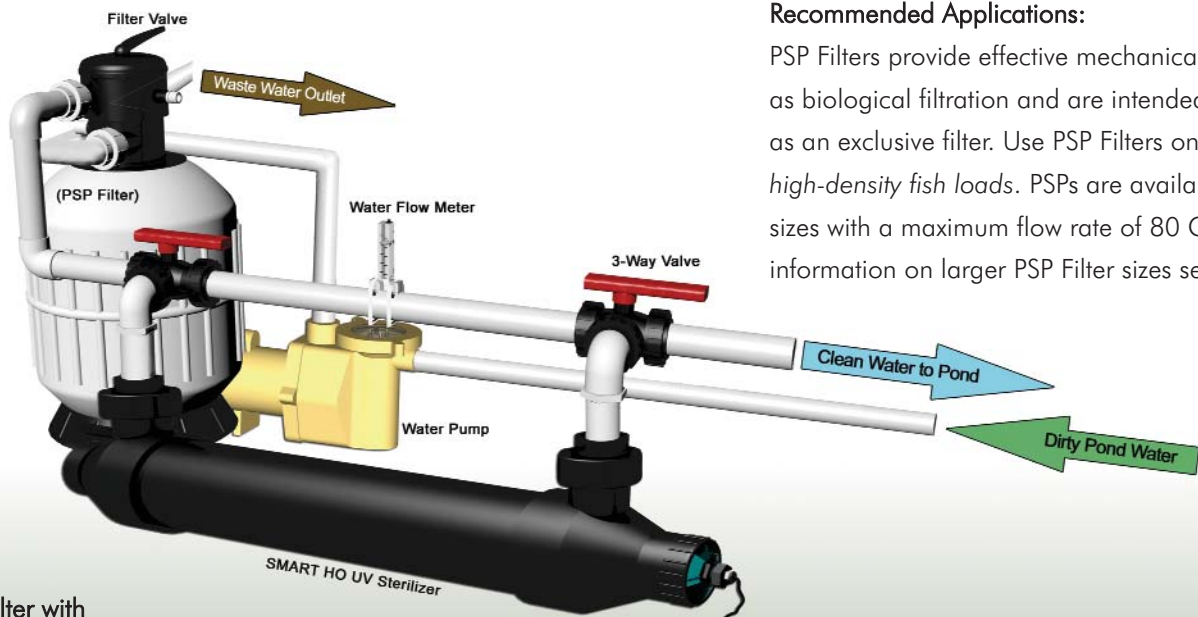


Our unique FilterClay Media's round shape, 4-8 mm size and density is best suited for heavy solid waste applications. These critical characteristics allow for a more complete backwash, the resistance of caking and the resistance of channeling of the media bed. Additionally, the porous skin and core provide an exceptional environment for colonizing nitrifying bacteria. (For additional FilterClay information see page 15).



**For Best Results:**

Maximize circulation inside the pond by utilizing several clean water returns. Increased circulation will help to suspend solid waste. Suspending solid waste efficiently delivers the solid waste to the drain/surface skimmer and ultimately, the filter. Additionally, PSPs are "fixed bed" filters and require that you specify a high-pressure pump (high RPM) which is equipped with a strainer basket. This pump must be properly matched to the filter in terms of flow requirements. (See "PSP Specifications" chart, on page 7).



**Recommended Applications:**

PSP Filters provide effective mechanical as well as biological filtration and are intended to be used as an exclusive filter. Use PSP Filters on ponds with high-density fish loads. PSPs are available in four sizes with a maximum flow rate of 80 GPM. (For information on larger PSP Filter sizes see page 9).

**Combine a PSP Filter with a SMART UV for an Effective Filtration System**

The PSP Filter provides efficient solid waste capture and bio-filtration while the SMART UV controls nuisance waterborne algae and harmful bacteria. Install with three-way true-union valves for precise water flow control through the UV.

**Did You Know** that no filter is "maintenance-free" and that all filters require some level of care? Filters left unattended can quickly become overloaded with waste resulting in fouling. Decomposing organic waste depletes the dissolved oxygen level and affects overall water quality in the pond which can potentially be harmful to fish.