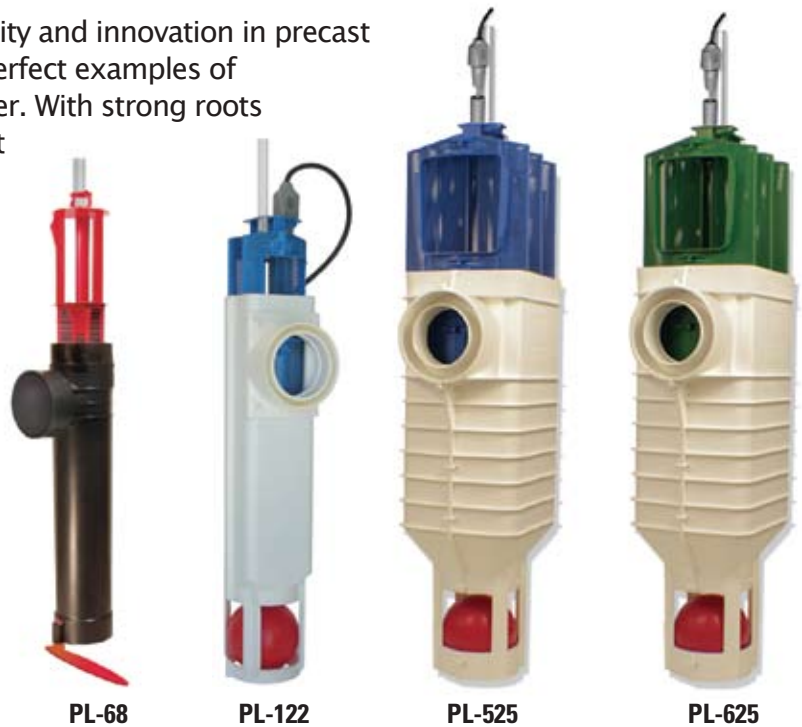


# Gravity Effluent Filters





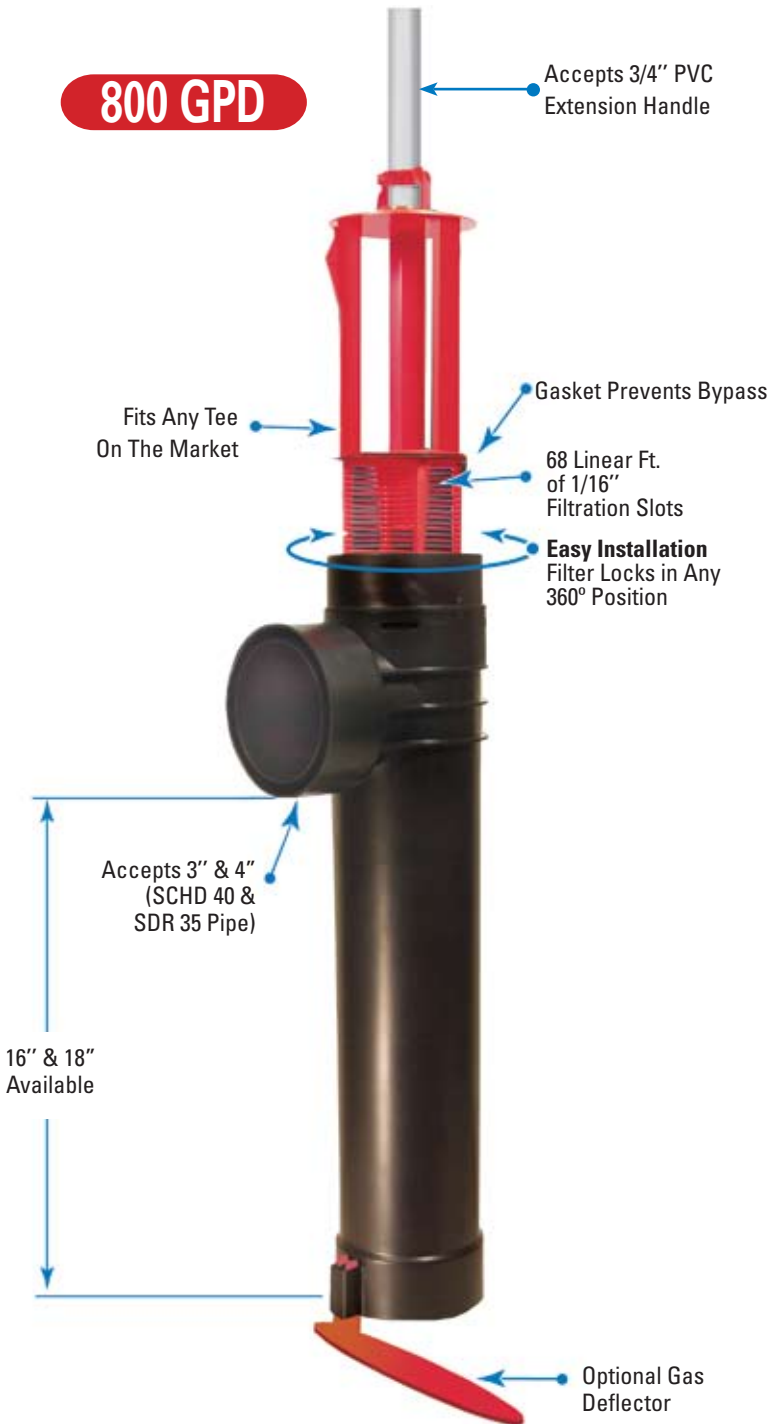
For over 20 years we have focused on quality and innovation in precast and wastewater products. Our filters are perfect examples of where innovation and quality come together. With strong roots in wastewater management, we have spent many years designing and perfecting our filters. We offer four different gravity effluent filters that can handle anywhere from 800 GPD to 10,000 GPD. Each design is patented and NSF certified. These same filters are used by our sister company, United Concrete, in every tank installation requiring a filter. No other company can make that claim!



Features	PL-68	PL-122	PL-525	PL-625
<b>Filtration</b>	<b>1/16"</b>	<b>1/16"</b>	<b>1/16"</b>	<b>1/32"</b>
<b>Gallons Per Day</b>	<b>800</b>	<b>1500</b>	<b>10,000</b>	<b>10,000</b>
<b>Linear Feet of Filtration</b>	<b>68</b>	<b>122</b>	<b>525</b>	<b>625</b>
<b>SmartFilter Switch and Alarm</b>	<b>N/A</b>	<b>Available</b>	<b>Available</b>	<b>Available</b>
<b>Automatic Shut-Off Ball for Cleaning</b>		<b>x</b>	<b>x</b>	<b>x</b>
<b>Filtration Slot Technology</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
<b>Extend &amp; Lok Compatible</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
<b>NSF Certification</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
<b>Installed in Multiples for Larger Flows</b>		<b>x</b>	<b>x</b>	<b>x</b>
<b>Gas Deflector</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
<b>Applications</b>				
<b>Residential</b>	<b>x</b>	<b>x</b>	<b>x</b>	
<b>Residential Multi-Family</b>		<b>x</b>	<b>x</b>	<b>x</b>
<b>Commercial</b>		<b>x</b>	<b>x</b>	<b>x</b>
<b>Grease Traps</b>				<b>x</b>
<b>Benefits</b>				
<b>Extends Life of Leaching Fields</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
<b>Keeps Solids in Septic Tank</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>
<b>Zabel Comparable Filters</b>	<b>A1800</b>	<b>A100</b>	<b>A300 or A600</b>	<b>A300 or A600</b>

**1/16" Filtration Slots**

**800 GPD**



**PL-68 Filter and Tee**

PL-68 is much more than just an effluent filter. The housing also can be used as an inlet baffle (tee) or an outlet baffle. The housing is designed to accept Polylok's new snap in gas deflector to deflect gas bubbles away from the tee and to keep the solids in the tank.

**PL-68 & PL-122 Maintenance:**

The PL-68 Effluent Filter will operate efficiently for several years under normal conditions before requiring cleaning. It is recommended that the filter be cleaned every time the tank is pumped or at least every three years.

1. Do not use plumbing when filter is removed.
2. Pull PL-68 or PL-122 out of the Tee.
3. Hose off filter over the septic tank. Make sure all solids fall back into septic tank.
4. Insert filter back into Tee/Housing

**PL-68 & PL-122 Installation:**

Ideal for residential waste flows up to 800 Gallons Per Day (GPD). Easily installs in any new or existing 4" outlet tee.

1. Locate the outlet of the septic tank.
2. Remove the tank cover and pump tank if necessary.
3. Glue the filter housing to the outlet pipe, or use a Polylok Extend & Lok if not enough pipe exists.
4. Insert the PL-68 & PL-122 filter into tee.
5. Replace and secure the septic tank cover.



SDR 35 Spacer



2" Extender

## PL-122 Filter

The PL-122 was the original Polylok Filter. It was the first and still to this day the only filter on the market with an automatic shutoff ball installed with every filter. When the filter is removed for regular servicing the ball will float up and prevent any solids from leaving the tank. Our patented design cannot be duplicated.

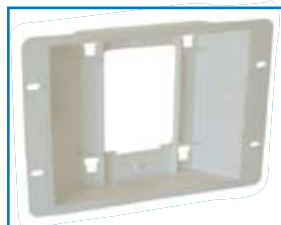


- Accepts 1/2" PVC Handle Extension
- Alarm Switch
- 122 linear ft. of 1/16" Filtration

### 1/16" Filtration Slots

**1,500 GPD**

- Filter Housing with 3" & 4" Pipe Adapter



Filter Ready Adapter connects to septic tank wall

- Gas Deflector
- Automatic Shut-Off Ball when Filter is Removed



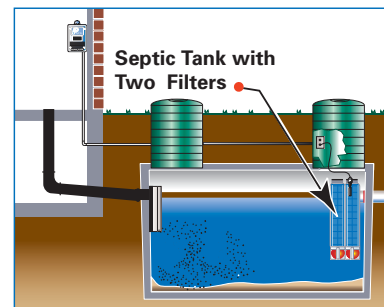
### Outdoor Smart Filter Alarm

All Polylok/Zabel filters accept the SmartFilter® switch and alarm.

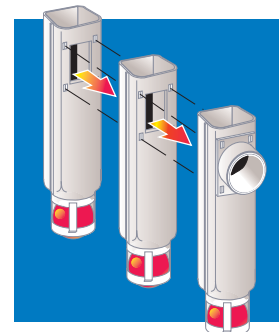
## Features:

- Offers over 122 linear feet of 1/16th inch filter slots, which significantly extends time between cleanings
- Has a flow control ball that shuts off the flow of effluent when the filter is removed for cleanings
- Has its own gas deflector ball which deflects solids away
- Installs easily in new tanks, or retrofits in existing systems
- Comes complete with its own housing. No gluing of tees or pipe, no extra parts to buy
- Has a modular design, allowing for increased filtration

*Polylok's filters are unique to the industry!*



Increase your filtration area by snapping filters together



- 1 Filter = 1500 GPD
- 2 Filters = 3000 GPD
- 3 Filters = 4500 GPD

Polylok offers the only filter on the market where you can get more GPD by simply snapping our filters together.

**1/16" Filtration Slots**

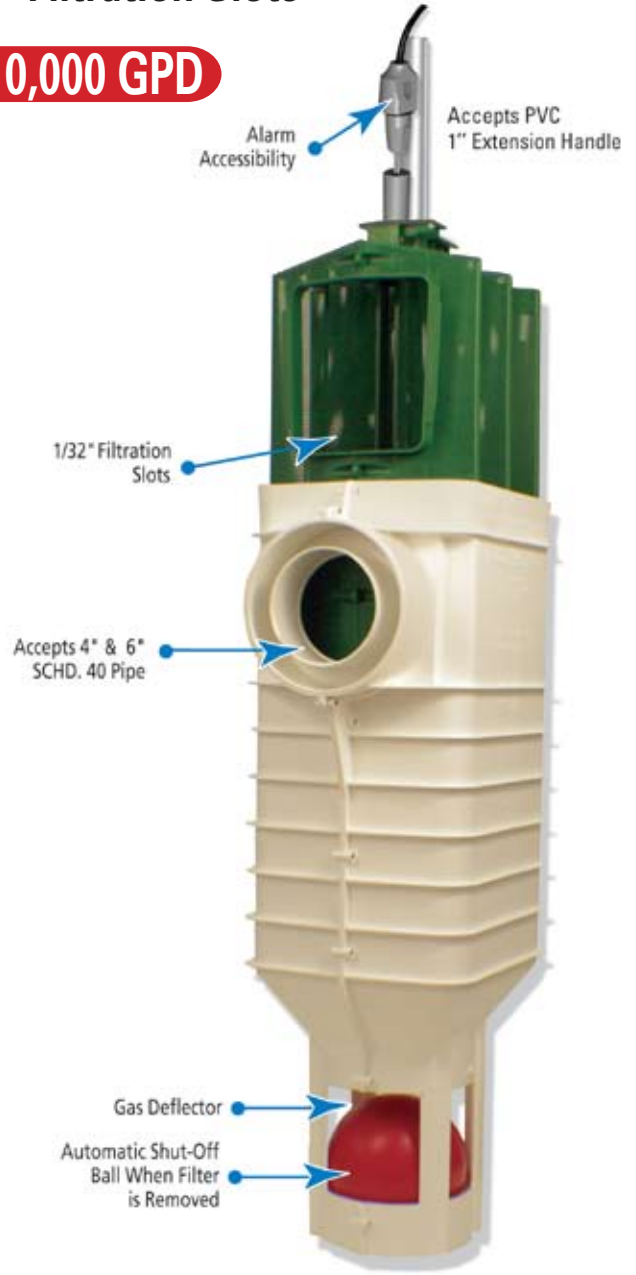
**10,000 GPD**



**PL-525**

**1/32" Filtration Slots**

**10,000 GPD**



**PL-625**



**Outdoor Smart Filter Alarm**

All Polylok/Zabel filters accept the SmartFilter® switch and alarm.





## PL-525 Filter

The PL-525 Filter is rated for over 10,000 GPD (gallons per day) making it one of the largest filters in its class. It has 525 linear feet of 1/16" filtration slots. Like the Polylok PL-122, the Polylok PL-525 has an automatic shut off ball installed with every filter. When the filter is removed for cleaning, the ball will float up and temporarily shut off the system so the effluent won't leave the tank.

### Features:

- Rated for 10,000 GPD (Gallons Per Day)
- 525 linear feet of 1/16" filtration
- Accepts 4" and 6" SCHD. 40 pipe
- Built in Gas Deflector
- Automatic shut-off ball when filter is removed
- Alarm accessibility
- Accepts PVC extension handle
- Lightweight



## PL-525 & PL-625 Installation:

Ideal for residential and commercial waste flows up to 10,000 Gallons Per Day (GPD).

1. Locate the outlet of the septic tank.
2. Remove the tank cover and pump tank if necessary.
3. Glue the filter housing to the 4" or 6" outlet pipe. If the filter is not centered under the access opening use a Polylok Extend & Lok or piece of pipe to center filter.
4. Insert the PL-525 or PL-625 filter into its housing.
5. Replace and secure the septic tank cover.

## PL-625 Effluent Filter

The PL-625 filter is ideal for grease trap applications. The 1/32" filtration has been shown to reduce fats, oils, and grease (FOG) by as much as 60% to 98%! The filter may be used in onsite wastewater systems that require a finer level of TSS removal. Whatever the application, Polylok has the filter for you!

### Ideal for:

- Grease Traps
- Laundromats
- Dog Kennels

## PL-525 & PL-625 Maintenance:

The PL-525 & PL-625 Effluent Filters will operate efficiently for several years under normal conditions before requiring cleaning. It is recommended that the filter be cleaned every time the tank is pumped or at least every three years. If the installed filter contains an optional alarm, the owner will be notified by an alarm when the filter needs servicing. Servicing should be done by a certified septic tank pumper or installer.

1. Locate the outlet of the septic tank.
2. Remove tank cover and pump tank if necessary.
3. Do not use plumbing when filter is removed.
4. Pull PL-525 or PL-625 out of the housing.
5. Hose off filter over the septic tank. Make sure all solids fall back into septic tank.
6. Insert the filter cartridge back into the housing making sure the filter is properly aligned and completely inserted.
7. Replace and secure septic tank cover.

## Zabel Filter Line

On March 14, 2006, Polylok acquired the key assets of Zabel Industries International Ltd. Zabel was a great compliment to Polylok's existing filter line. Zabel Environmental Technology® has long been the most recognized and trusted name in onsite wastewater filtration. Zabel introduced their first filter in 1959 and has continued to make advances in wastewater filtration ever since. In fact, the Zabel® Filter line has evolved from a single disc dam filter into a complete line of over 80 effluent filters to fit every wastewater application.

Zabel's patented flow reduces the trapping of solids in the filter by allowing them to slough off and fall back into the tank for further digestion. Slots rather than mesh screens provide less surface area for solids to attach and promote the sloughing action. Filtration occurs by physical removal through the spacing between plates and biologically through the growth of a beneficial biomat growth on the plates themselves. Independent research has shown the Zabel disc dam filter will reduce TSS by 50-90% and CBOD5 by 20-40%. All Zabel filters are available with Versa-Cases™. This innovative case allows for easy adhesive connection to 4" or 6" SCH 40 pipe. Additionally, all Zabel filters can be installed in multiples for larger flows.

With over one million filters installed throughout the US and abroad, Zabel has a long history of meeting the industry's wastewater needs. Now owned and managed by Polylok, a company driven by quality and innovation, you will see some enhancements to the filters you know and trust.

## Best Technology Filters

In March 2007 we acquired the filter assets of another company, Best Technology. The Best filter's unique conical shaped plate design allows solids to fall back into the tank. Best is a relatively new company in the marketplace, but we believe their filter design is a nice compliment to our Polylok filtration slot and Zabel disc-dam technologies. Additionally, their one piece housing design is ideal for use in many different environments where a sturdy housing is essential. True to our focus on quality and innovation, our engineering team has modified the handle design to improve its durability in the field. We are excited about adding the Best Filter to the Polylok family.



We are pleased to introduce our new A100/300/600 12x20 filters. Consistent with our commitment to quality and innovation, you will see many enhancements to this filter series. These filters are available with or without our patented red ball that prevents effluent from leaving the tank during cleanings.



**12x20  
with shutoff ball**

The new design includes ribbing on the outside for additional strength. The filter is much lighter in weight. Additionally, we have improved the latching mechanism to prevent the filter from floating. You will also see new guiderails that simplify removal and replacement during cleanings. The central support rod has been modified on all Zabel A100, A300 and A600 models to provide greater strength and durability. The new central support system is thicker than the original. It was tested up to 1,200lbs!



**12x20  
without  
shutoff ball**



**OutdoorSmart  
Filter Alarm**

All Polylok/Zabel filters accept the SmartFilter® switch and alarm.





Zabel®  
A Division of Polylok Inc.



**OutdoorSmart  
Filter Alarm**

All Polylok/Zabel filters accept the SmartFilter® switch and alarm.



A1800 Series

A100 Series

A300 Series

A600 Series

Features	A1800 Series	A100 Series	A300 Series	A600 Series
Filtration	1/16"	1/16"	1/32"	1/64"
Gallons Per Day	800	1200 - 6000	1200 - 6000	1200 - 6000
Linear Feet of Filtration	80	78 - 338	78 - 338	78 - 338
SmartFilter Switch and Alarm	Available	Available	Available	Standard
Available Filter Dimensions	4x18, 4x22	8x18, 8x26, 8x32 12x20, 12x28, 12x36	8x18, 8x26, 8x32 12x20, 12x28, 12x36	8x18, 8x26, 8x32 12x20, 12x28, 12x36
Disc Dam Technology		X	X	X
Extend & Lok Compatible	X	X	X	X
NSF Certification	X	X	X	
Installed in Multiples for Larger Flows		X	X	X
<b>Applications</b>				
Residential	X	X	X	
Residential Multi-Family	X	X	X	
Commercial		X	X	X
Grease Traps			X	X
High TSS Removal	X	X	X	X
<b>Benefits</b>				
Extends Life of Leaching Fields	X	X	X	X
Keeps Solids in Septic Tank	X	X	X	X
Polylok Comparable Filter	PL-68	PL-122	PL-525 or PL-625	PL-525 or PL-625



**A1800**

Like the PL-68, this filter was designed for Residential applications. The cartridge design allows for easy installation and maintenance and comes with our standard baffle (tee). All A1800 Series filters feature a locking tab that securely locks the filter into the tee. With 1/16" filtration, this filter is available in 18" and 22" lengths. The 22" A1800 comes with a built in gas deflector.

**Patented Inside Out flow**

Zabel's patented flow reduces the trapping of solids in the filter by allowing them to slough off and fall back into the tank for further digestion.

Slots rather than mesh screens provide less surface area for solids to attach and promote the sloughing action. Independent research has shown the Zabel A1800™ Series Filters reduce TSS by 40% in residential applications.



**Outdoor Smart Filter Alarm**

All Polylok/Zabel filters accept the SmartFilter® switch and alarm.

Our 4x18 and 4x22 filters can be used with ANY tee, including our PL-68 tee and our Versa-tees.



- New One Piece Design**
- Filters are no longer snapped together
  - Won't break when servicing
  - Now made of PolyPro for extra strength



**OutdoorSmart Filter Alarm**

All Polylok/Zabel filters accept the SmartFilter® switch and alarm.



**A100 Filter 1/16" Filtration  
8" and 12" Diameter**

This filter is ideal for larger homes, multi-family homes or light commercial settings where increased flows or higher quality effluent is required. The A100-8 Series is sized to handle flow rates from 1200 to 2400 GPD and is available in three different lengths. The A100-12 Series, installed in more locations than any other filter on the market, is sized to handle flow rates from 3000 to 6000 GPD. The A100-12 Series can be used in almost any application. Independent research has shown the A100-12 decreases TSS by 50-90% and CBOD<sup>5</sup> by 20-40%. With 1/16" filtration, the A100-8 Series filter is available in 18", 26" and 32" lengths. The A100-12 Series filter is available in 20", 28" and 36" lengths.

**A300 Filter 1/32" Filtration  
8" and 12" Diameter**

The finer 1/32" level of filtration achieved with the A300-8 filter makes this the perfect effluent filter for small grease trap applications, dog kennels, laundromats and other applications where fine suspended solids are present. The A300 offers flow rates between 1200-2400 GPD. The A300-12 Series provides 1/32" filtration and has been shown to reduce FOG by as much as 50-98%. The A300-12 is also used for onsite wastewater systems which require a finer level of TSS removal. The A300-8 Series filter is available in 12", 26" and 32" lengths. The A300-12 Series filter is available in 20", 28" and 36" lengths.

**A600 Filter 1/64" Filtration  
8" and 12" Diameter**

The A600 is ideal for specialty applications where very fine filtration is required and low flows are expected. Due to fine, 1/64" level filtration, every A600 comes equipped with a SmartFilter® switch and alarm. The SmartFilter® switch provides notification of required filter servicing through the use of both an audible and visual alarm. A minimum of a 3" drop is required in the tank for proper SmartFilter® operation. The A600-8 Series filter is available in 18", 26" and 32" lengths. The A600-12 Series is available in 20", 28" and 36" lengths.



The Best Filter is a great addition to the Polylok filter family. The GF10 Filter is 10" x 18" and is available in three filtration designs: 1/8", 1/16" and 1/32". The exterior of the GF10 filter is a single-piece case. It has no joints and no glue holding it together which gives it incredible strength. It is made of impact-resistant PVC so it can withstand harsh treatment and it won't break!



**OutdoorSmart Filter Alarm**

All Polylok/Zabel filters accept the SmartFilter® switch and alarm.



## A Great Design

The Best GF10 filter doesn't just trap solids, its unique conical shape design allows unwanted material to flow over the plates and fall back into the tank. The filter has a one-piece housing made of impact resistant PVC.

The GF10 filter plates are locked together with five ribs and two sections of ¾" Schedule 40 PVC pipe. This unique configuration provides even weight distribution and maximum strength.

The GF10 is rated at 2500 GPD and is available in 1/8", 1/16" and 1/32" filtration levels. The smaller filtration levels are ideal for residential settings and the 1/32" filtration can be used in most commercial applications including wastewater treatment systems, grease traps, dog kennels or salons.

The GF10 is known for its strength. The housing, as well as the outlet were designed with durability in mind. To show just how strong the filter is, we placed a 420 pound concrete riser on top of the GF10 filter case and connected it to a 4" Sch 40 pipe.



To further improve the strength of this filter, our engineers redesigned the handle, making it even sturdier than the original design.



### OutdoorSmart Filter Alarm

All filters accept the SmartFilter® switch and alarm.



### Filter Housings

Can be used as an outlet or an inlet baffle tee. Accepts most 4" effluent filters on the market.

### Gas Deflector

Optional accessory for the PL-68 housing.



SDR 35 Spacer      2" Extender

### Filter for Concrete Baffle

A great filter solution for concrete tanks. You can now add a filter to an existing concrete tank.



Available with the PL-68 or Zabel Series 1800.

### 2" High Pressure Filter



Reduces TSS by 30-40%



## Filter Accessories

### Extend & Lok™



Ideal for filter Tee or installations in hard to reach places.

### Charcoal Filters



1.5", 3" & 4" models shown

### Versa-Tee Baffle™



The Polylok/ Zabel Versa-Tee used as an Inlet/Outlet baffle, or ordered with the A1800 Series Filter, will make any installation easier. The Inlet & Outlet fit either SDR 35 or SCH 40 pipe.