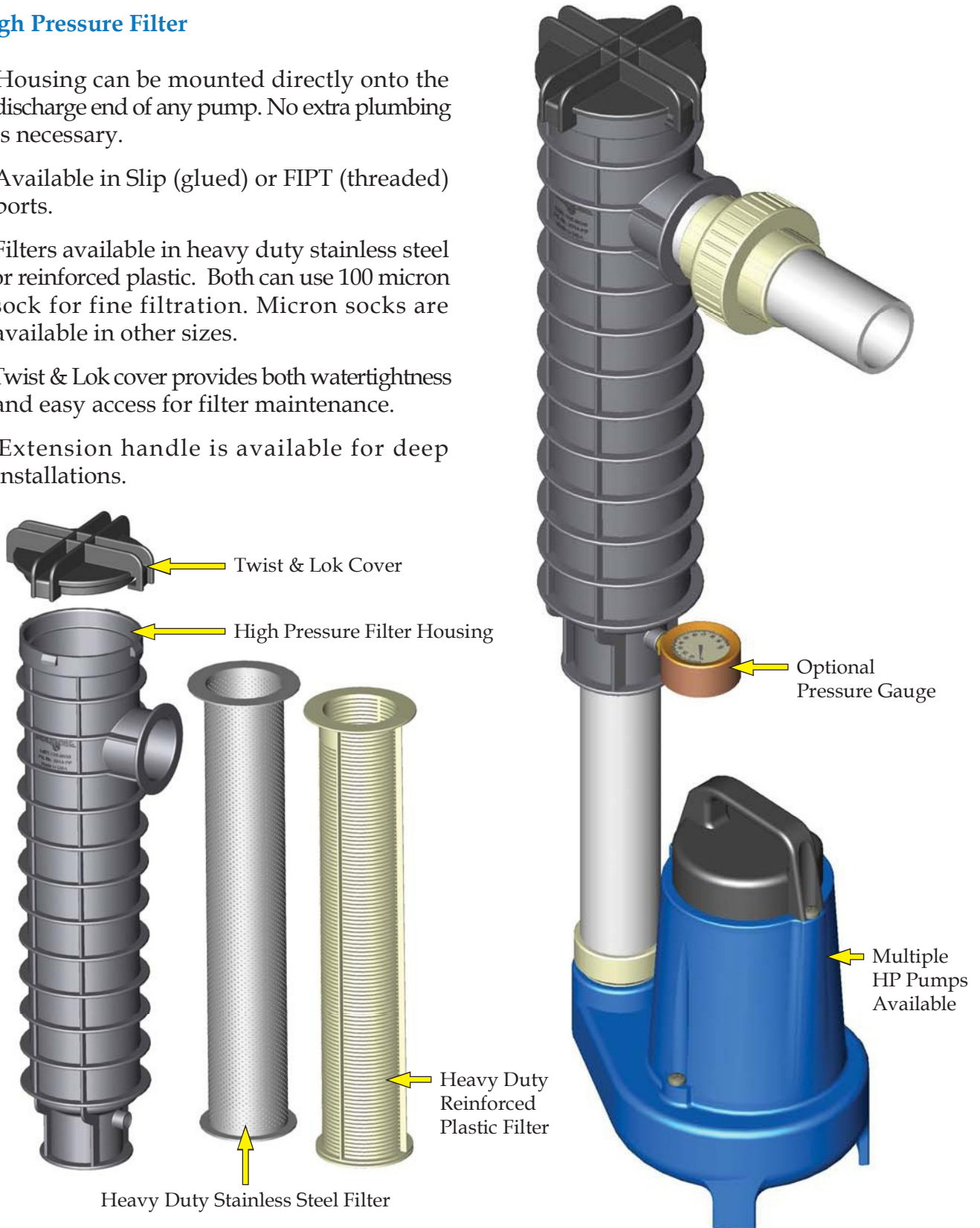


High Pressure Filter

1. Housing can be mounted directly onto the discharge end of any pump. No extra plumbing is necessary.
2. Available in Slip (glued) or FIPT (threaded) ports.
3. Filters available in heavy duty stainless steel or reinforced plastic. Both can use 100 micron sock for fine filtration. Micron socks are available in other sizes.
4. Twist & Lok cover provides both watertightness and easy access for filter maintenance.
5. Extension handle is available for deep installations.



PART #: 3014-SOCK

Polylok Pressure Filter Sock Installation
Fits Filter Models: 3014-F & 3014-SS



PART #: 3014-F
Plastic Slot Filter

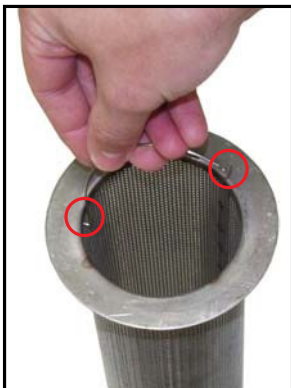


PART #: 3014-SS
Stainless Steel Filter

It is not recommended to reuse socks.
For information on how to order replacement socks visit our website at:
www.polylok.com

BEFORE YOU INSTALL:

If your filter has a wire handle installed, you must remove it before installing sock.



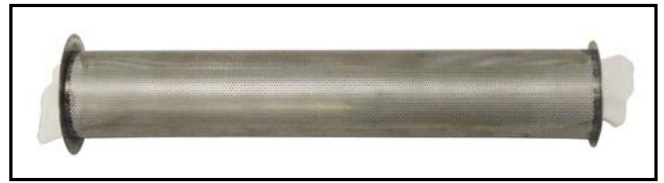
AFTER YOU INSTALL:

Install wire handle once sock has been installed correctly.



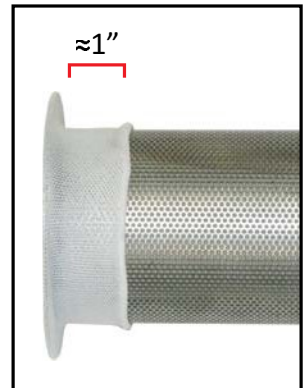
STEP 1:

Insert sock through center of filter so that equal lengths stick out from both ends.



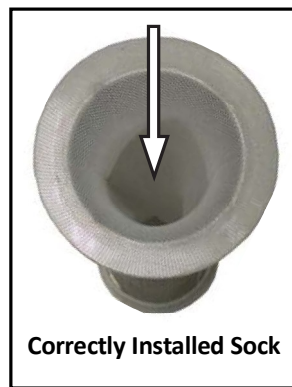
STEP 2:

Wrap sock around the top flange (*larger end*) and overhang about 1" onto the filter.



STEP 3:

Wrap sock around bottom flange (*smaller end*) until sock is tightly secure. Look through center of filter to make sure sock is not twisted.



Correctly Installed Sock

NOTE:

If sock is twisted, grab one end of sock and twist until straight.



Polylok, Inc.

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Web site: www.polylok.com

Applications of the: Polylok Pressure Filter

The Polylok Pressure filter has been designed as an effluent filtering device for pressurized distribution systems.

The Polylok pressure filter is extremely effective in providing protection for all pressurized distribution systems. Polylok Pressure Filter should be used as a safe guard component in all pressurized septic systems.

Including:

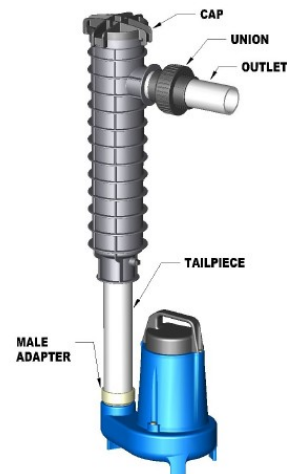
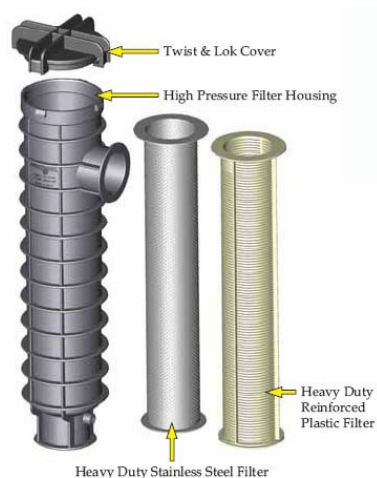
- Sanitary Mound Systems
- Sand Filters
- Spray Irrigation Systems
- Drip Systems
- Pressurized Chambered Systems
- Commercial Pressurized Systems
- Pump Septic System
- Wastewater Treatment Systems
- Residential Pressurized Systems.



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Benefits of the: Polylok Pressure Filter

- Easy to install.
- Easy to service, less than five minutes.
- Low maintenance, design due to vortex scrubbing action and open area.
- Protects pressurized systems from costly repairs.
- Lowers TSS, total suspended solids.
- Keeps distribution holes free of debris & extends drain field life.
- Protects with only minimal head-loss, approx. .225 psi. (approx. loss is half a foot)





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How the Polylok Pressure Filter Works

The Polylok Pressure Filter is extremely effective in providing protection for all pressurized distribution systems. If you need to protect a pressurized system from suspended solids, the Polylok Pressure Filter can perform the job.

Most pressurized wastewater distribution systems such as mound systems are very effective in treating effluent. In pressurized systems the effluent or gray water is pumped from the holding or pump chamber of the septic system out to the drain field by a low pressure effluent pump. The drain field is where the problems show up. The lateral piping in the drain field has many small holes to drain the gray water. These holes can be as small as 1/8", as you might imagine, it doesn't take a lot of contaminants to plug the drain holes. With each hole that becomes plugged the efficiency of the pressure distribution system falls, until the system eventually fails.

Many of these systems only partially fail over a long period of time, causing contamination of ground water long before the system shows any visible signs of distress.

Placing an effluent filter just before entering the forced main of the pressurized septic system is a simple solution. The pressure filter installs by simply glueing or using a compression fitting onto the discharge port of any effluent pump, thereby, filtering out contaminants before they enter the distribution system or drain field.

The Polylok Pressure Filter has been designed to assure that the small holes in the distribution piping remain unclogged. The filter system is unique to the industry, engineered to provide maximum protection for your sanitary pressure system.

Reliability:

Because the Polylok Pressure Filter is installed on the pressure side of the effluent pump, it is difficult for the internal filter mechanism to become clogged. The inherent design of effluent pumps create an on-and-off scrubbing action caused by shock waves as the effluent pump works. This scrubbing action is strongest near the pump, this is why the Polylok Pressure Filter is attached directly to the pressure side of the effluent pump.

The high flow rates and low pressure requirements of the Polylok Pressure Filter are achieved by a large filter area with over 40% of the filter screen being open. The Polylok Pressure Filter flows over 80+ gallons per minute, so even a partially contaminated wastewater filter will keep virtually any pressurized distribution system functioning properly.

Ease of Use:

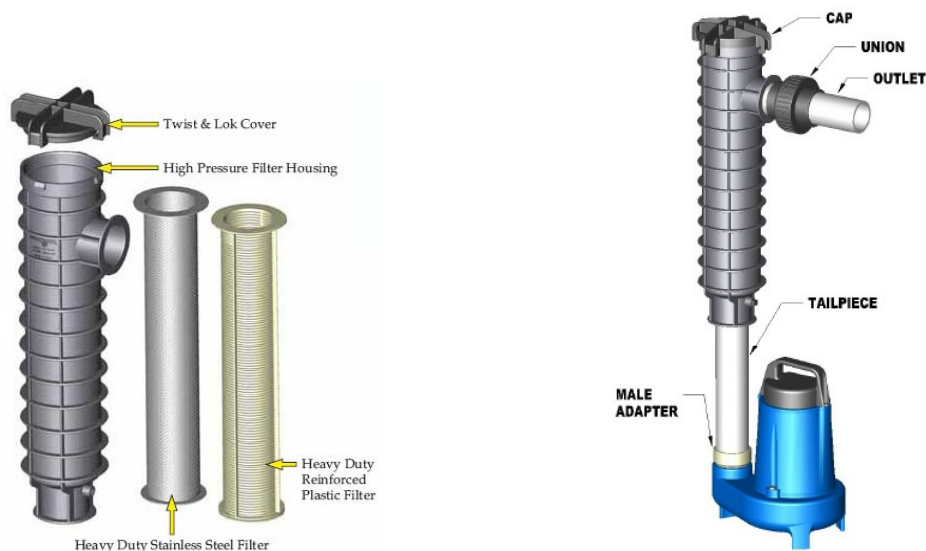
The pressure filter assembly is installed and serviced in a matter of minutes, making this product unique to the industry. The Polylok Pressure Filter easily attaches onto the discharge port of any effluent pump by glueing or using a compression fitting.

Also available is a uniquely designed, fully adjustable pressure switch that indicates when the effluent filter needs servicing. The pressure switch can be wired with its own alarm or connected in with the high level alarm. On the occasion when a filter does need cleaning, it can be removed easily, washed clean of debris and contaminants then reinstalled in the pressure filter assembly. The entire process takes only minutes.

The Polylok Pressure Filter, with its unique design and mounting location, allows the filtering screen to be scrubbed while in operation, providing maximum maintenance intervals with unmatched performance capabilities. The filter screen material is 22 ga T316 stainless steel with .062 diameter holes or 1/16" on 3/32" staggered centers. Outside dimensions are 3 inches in diameter and 18 inches long with a .6722 square inch open area. This large open area allows the filter to pass 84.6 gallons per minute at 1 psi. With features like these even a partially clogged screen will keep the system well protected and working properly. This performance product assures quality effluent with lower TSS levels, keeping your pressurized distribution system functioning at 100% efficiency.

Optional filter socks are available for use with the screen to filter down to 600, or 100 microns (.024", .004").

The Polylok Pressure Filter has been designed as an effluent filtering device for pressurized distribution systems. Polylok Pressure Filter protects any pressurized distribution system including Sanitary Mound Systems, Sand Filters, Spray Irrigation Systems, Drip Systems, Pressurized Chambered Systems, Commercial Pressurized Systems or any Pump Septic System, Wastewater Treatment Systems or Residential Pressurized Systems. Polylok Pressure Filter should be used as a safe guard component in all pressurized septic systems.





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Install and Service Instructions for the:

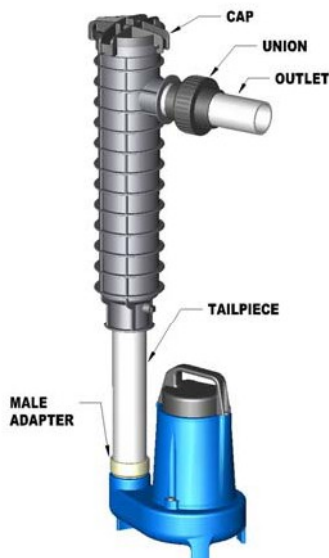
Polylok PL-PF Pressure Filter with Stainless Steel Screen

Polylok PL-PFP Pressure Filter with Plastic Slotted Screen

Installation:

The Polylok Pressure Filter easily attaches to the discharge port (typically 2”) of any effluent pump by gluing or using a compression fitting. Pumps with smaller discharge ports may be adapted to fit.

When installing the Polylok Pressure Filter a “tail piece” and male adapter will need to be added to the inlet end of the filter (see photo) to the desired height and a 2” union will need to be added to the outlet end of the filter (see photo). Plumb force main into the 2” sch 80 PVC union.



***** IMPORTANT INFORMATION *****

- Always install the filters in a position where they can be easily serviced.
- We recommend that the union remain together during gluing to insure that glue or cleaner does not ruin O-ring or sealing surface.
- The total dynamic head loss of the system must be increased by 0.5 feet of head to overcome the friction loss through the filter.
- Always check with your local Health Department for septic system servicing recommendations and local codes.

Service:

Polylok Pressure Filter pressure filter service schedule is dependent on the system usage as every system is unique.

For most residential systems we recommend inspection within the first 6 months to determine the necessary service intervals for the filter. Once the service interval is determined it should be consistent unless something changes in the system.

Always inspect the filter screen for any damage and replace if necessary. The Polylok Pressure Filter should be serviced when periodic pumping of the septic tank and pump chamber is performed.

Servicing will be more frequent if using either of our socks (600 micron or 100 micron). The socks are to be discarded and replaced.

Always check with your local Health Department for septic system servicing recommendations and local codes.

We recommend installing a High Level Tank Alarm, Polylok part number TAXT-01HB, that provides an audible and visual alarm to indicate when the tank level rises past a certain level. If the screen becomes clogged before the scheduled pumping, the alarm will indicate the need for service.

To service the Polylok Pressure Filter pressure filter screen, unscrew the ¼ turn cap. Pull the screen from the canister and wash it out thoroughly in an appropriate location with proper protection, properly discarding sock. An additional filter screen and sock will allow for quicker service, as the old filter can be washed later at the shop. Install new sock prior to replacing screen, see instruction sheet provided in box. Replace ¼ turn cap, listen for click to insure proper fit.

Optional: Filter Cap Wrench is available to facilitate filter servicing. The special wrench easily removes the cap and has a hook to remove the filter.

Note:

In some cold climate conditions keep the filter in a warm area or pour warm water over the cap before removing. Once the filter is installed in the tank it maintains a stable temperature and removing the cap should not be a problem.

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