

## PL Series Pleated Cellulose Filter

### Reliable Protection for Critical Fluid System Components

### Industry's Choice for Performance, Quality & Value

### The right cartridge to handle tough industrial fluid applications

- High surface area pleated filter media for long service life and high fluid flow capabilities
- Designed and built to eliminate contaminated fluid bypass for absolute protection
- Heavy gauge metal end caps providing unequalled cartridge sealing integrity
- Many gasket, bonding and metal component materials are available for specific fluid compatibility requirements
- Multiple cartridge size and filter media for flexible design options to satisfy your specific filtration requirement
- Performance backed by over 80 years experience in design, testing and manufacturing of liquid filter cartridges



### Versatility

The **PL Series** cartridge is designed and manufactured to provide superior performance as compared to more costly OEM filter cartridges. Refilco® replacement cartridges are available for over 80 global manufacturers. We also provide custom design cartridges to meet your exact needs.

### Performance

Cartridges are available in multiple micron ratings from ½ to 40 micron nominal. Extensive R&D has led to high performance and unparalleled reliability in inventory and allows us to select the proper micron rating and material for optimum system performance.

## PL Series Pleated Cellulose Filter

### Features & Applications

<p><b>Ultra protection:</b></p> <ul style="list-style-type: none"> <li>• Insulating Oils</li> <li>• Servo Valve Protection</li> <li>• High Pressure Hydraulics</li> <li>• Speed Rotating Components</li> <li>• Fluid Test Stand</li> <li>• Final Filtration</li> </ul>	<p>½ &amp; 1 Micron Nominal</p> <p>Multi-layer pleated construction featuring Refilco® ½ micron glass fiber media carefully laminated on both sides with strong cellulose fiber paper providing prefiltration and media pleat integrity.</p>
<p><b>Critical service:</b></p> <ul style="list-style-type: none"> <li>• Seal Oil</li> <li>• Hydraulic Oil</li> <li>• Diesel Fuel Injection</li> <li>• Terminal Storage</li> <li>• Gear Oil</li> <li>• Lubricating Oil</li> <li>• Final Filtration</li> </ul>	<p>1 to 3 Micron Nominal</p> <p>Single layer fine cellulose fiber impregnated and corrugated filter media are processed by FAA Filter's unique computer controlled pleat curing equipment.</p>
<p><b>Industrial grade:</b></p> <ul style="list-style-type: none"> <li>• Lubricating Oil</li> <li>• Cutting fluid</li> <li>• Solvents</li> <li>• Distillate Fuel</li> <li>• Fuel Oil</li> <li>• Low Press Hydraulics</li> </ul>	<p>5 to 40 Micron Nominal</p> <p>Single layer heavy duty cellulose fiber impregnated with resin providing high flow rates, low pressure drop and long service life.</p>

### Quality Replacements for:

- Filtration Group (Facet, Kaydon, Purolator)
- Parker Hannifin (Velcon, Racor, Baldwin)
- Hilco (Hillard)
- Schroeder

## PL Series Replacement Liquid Filter Cartridges

### Cartridge Construction

	Cartridge Component				
	Gasket (A)	Filter Media	Inner/Outer Body (C)	End Caps (D)	Bonding (E)
Material Options	<ul style="list-style-type: none"> <li>Buna N*</li> <li>Cork**</li> <li>Fiberboard**</li> <li>Neoprene**</li> <li>Silicone**</li> <li>Viton®**</li> </ul>	<ul style="list-style-type: none"> <li>Resin impregnated cellulose fiber</li> </ul>	<ul style="list-style-type: none"> <li>Corrosion resistant plated steel*</li> <li>Stainless steel**</li> </ul>	<ul style="list-style-type: none"> <li>Corrosion resistant plated steel*</li> <li>Stainless steel**</li> </ul>	<ul style="list-style-type: none"> <li>Plastisol*</li> <li>Urethane**</li> <li>Silicone**</li> <li>Epoxy**</li> </ul>

\*standard

\*\* option

PL Series Product Line			
Series	OD (in.)	OAL (in.)	Replaces
PL 310	2 5/8	9 3/4	Hilco
PL 330	2 5/8	29 5/8	Hilco
PL 418	4	18 1/4	Purolator
PL 424	4 1/2	24 1/8	Purolator
PL 512	4 1/2	12	Purolator
PL 518	6	17 7/8	Kaydon
PL 607	6	7 1/2	Purolator
PL 608	6	8	Purolator
PL 614	6	14 1/2	Facet, Fram, Velcon
PL 618	6	18	Facet, Velcon
PL 629	6	29	Facet, Velcon
PL 636	6	36	Facet, Velcon
PL 644	6	44	Facet, Velcon
PL 656	6	56	Facet, Velcon
PL 718	6	18	Hilco, Facet
PL 736	6	36	Hilco, Facet

The table above represents only a portion of the many different size PL cartridges manufactured. Please contact FAA Filters for detail on our complete product line.

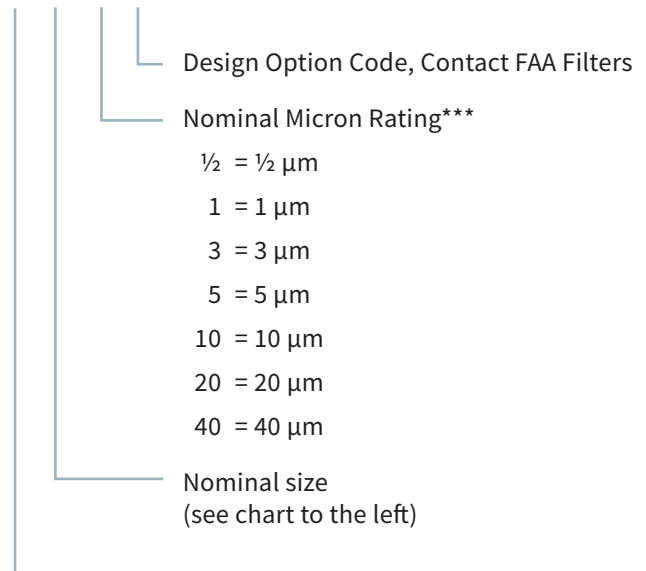
### Operational Limits

- Max. Temperature: 250 °F / 121 °C
- Min. Temperature: -20 °F / -7 °C
- Std. Collapse Rating: 70 PSID / 482 kPA
- Recommended Change Out: 25 PSID / 172 kPA

FAA Filters can custom design to meet your exact specifications.

### Cartridge Part Numbering

PL 614 - 5 10



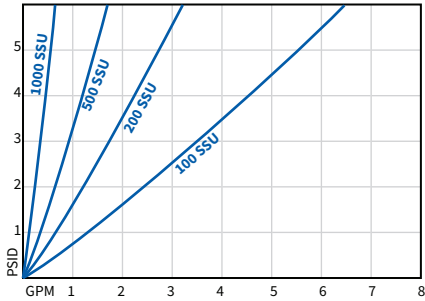
Media Type: PL = Pleated Cellulose

(Other media types available)

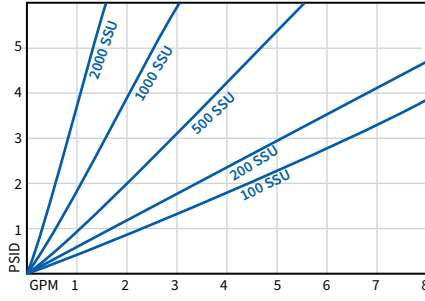
\*\*\* Contact FAA Filters for absolute efficiencies specific to your applications.

## Flow vs. Differential Pressure

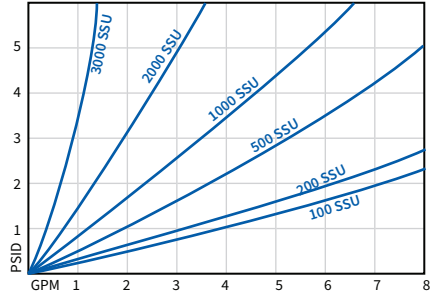
**PL 310-1/2**



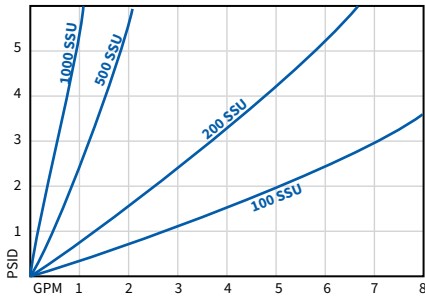
**PLH 310-5**



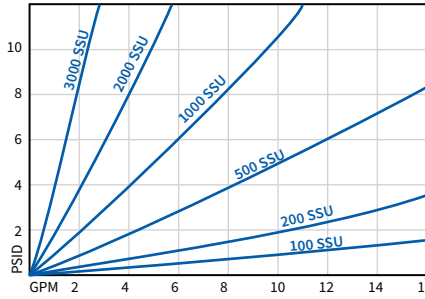
**PLH 310-20**



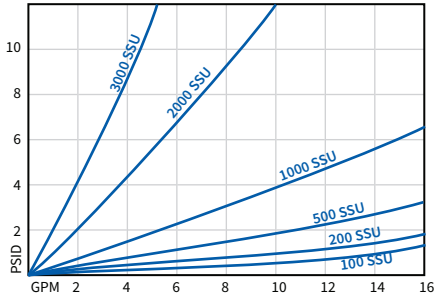
**PL 512-1/2**



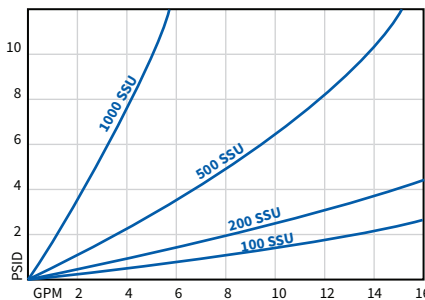
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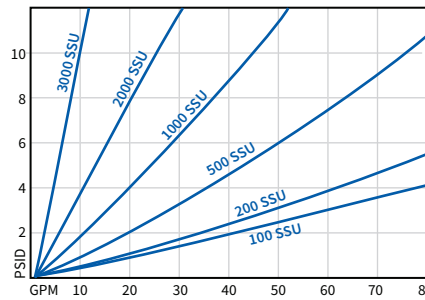
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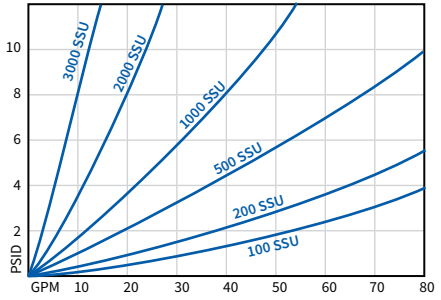
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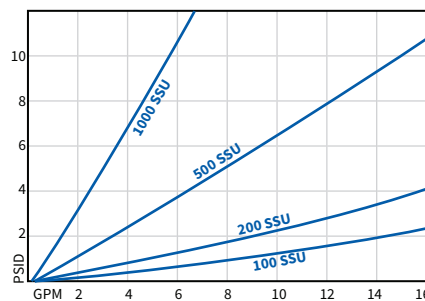
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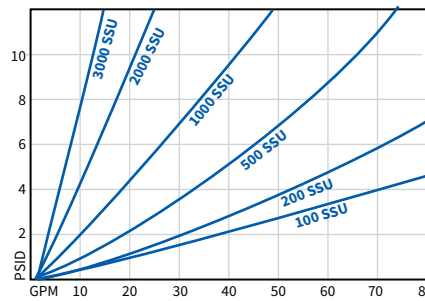
**PL 614-20**



**PL 718-1/2**



**PL 718-5**



**PL 718-20**

