



PDF Series Filter Cartridges

Unique Design Provides Safer Filtration of Hazardous Fluids

- Disposable filter cartridge/plastic housing element
- Virtually eliminates operator contact with fluid during changeover
- A wide variety of depth or pleated media filter cartridges available
- Available in retention ratings from 0.2 to 100 microns (μm)
- Economical alternative to expensive competitive capsules
- $\frac{1}{4}$ ", $\frac{1}{2}$ ", $\frac{3}{4}$ " or 1" NPT inlet and outlet connections available for use in most piping plans
- $\frac{1}{4}$ " vent allows the housing assembly to be easily vented or drained

Performance Specifications

Maximum Operating Pressure:

Liquid only: 75 psig (5.2 bar) @ 125°F (52°C)

Gas only¹: 40 psig (2.8 bar) @ 100°F (38°C)

Product Specifications

Materials of Construction:

Shell:	Polypropylene
Head:	Polypropylene
Shell to Head	
Sealing Material:	Polypropylene, electromagnetically heat sealed ²
Cartridge to Head	
Sealing Material:	Polypropylene

Connection Sizes:

Inlet/Outlet:	$\frac{1}{4}$ " (0.64 cm), $\frac{1}{2}$ " (1.27 cm), $\frac{3}{4}$ " (1.9 cm), 1" (2.5 cm)
Vent:	$\frac{1}{4}$ " (0.64 cm) NPT, upstream
Drain:	$\frac{1}{4}$ " (0.64 cm) NPT, downstream

Cartridge Selection Guide

DFT Classic® Filter Media:

Various

Duo-Fine® Filter Media:

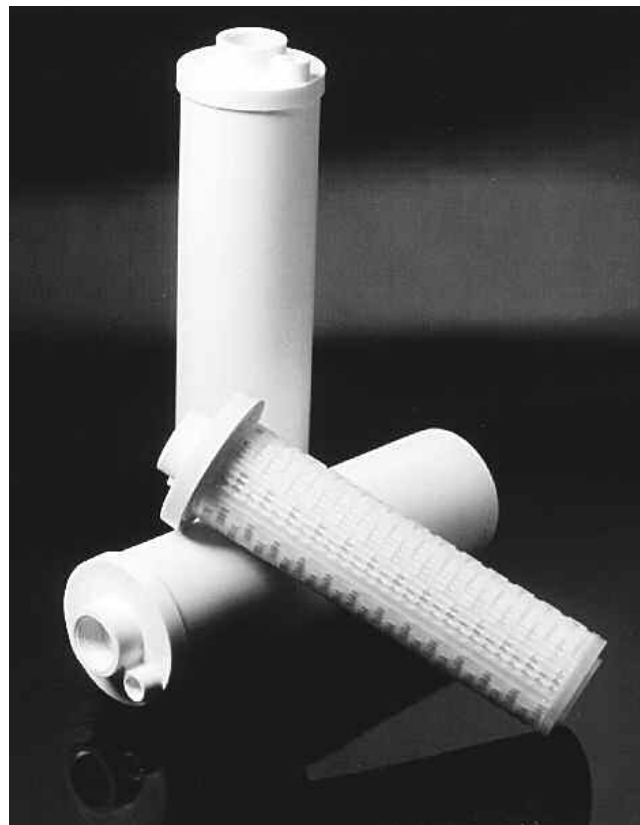
Pleated Microfiberglass

Nexis® Filter Media:

Melt Blown Depth Polypropylene

Poly-Fine® II Filter Media:

Pleated Polypropylene



¹ - CAUTION! Gas applications are inherently more hazardous than liquid service and strict adherence to the maximum recommended pressure/temperature is required.

² - Polypropylene wafer, mixed with a small amount of 400 series stainless steel, is electromagnetically heated. This process assures an excellent bond between the polypropylene head and polypropylene shell.

Poly-Fine ARD Filter Media:

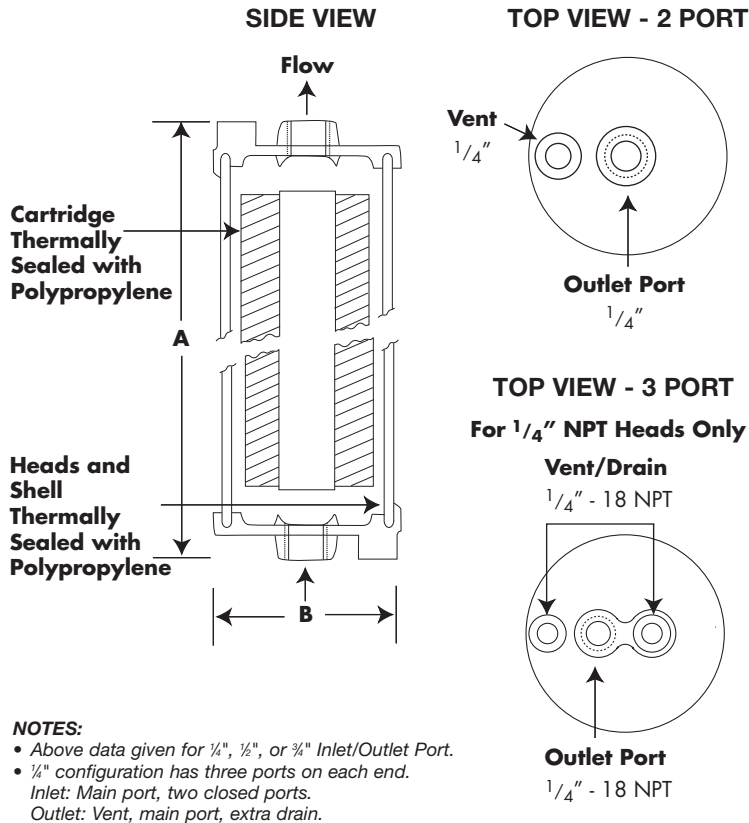
Spiral Wrapped Polypropylene Sheets

Poly-Fine XLD Filter Media:

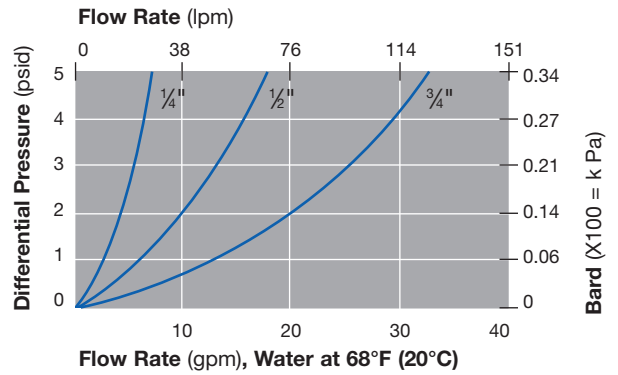
Pleated Depth Polypropylene

Varafine™/Water-Fine Filter Media:

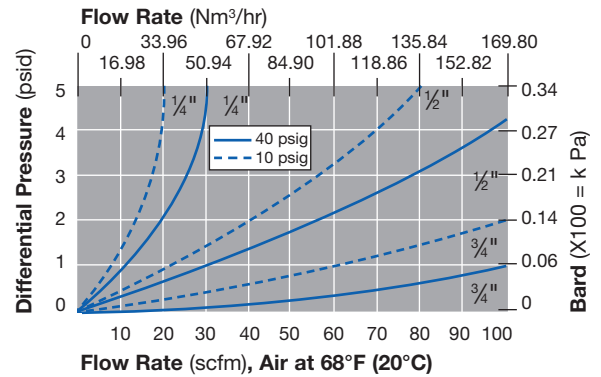
Highly Asymmetric Polysulfone Membrane



Housing Differential Pressure vs. Liquid Flow Rate



Housing Differential Pressure vs. Gas Flow Rate



Dimensional Information

Model	Cartridge Length (Inches)	Port Size (Inches)	Dimensions (Inches)	
			A	B
PDF 4	4	1/4, 1/2	6	3 5/16
PDF 4	4	3/4	6 1/2	3 5/16
PDF 10	10	1/4, 1/2	12 1/2	3 5/16
PDF 10	10	3/4	13	3 5/16
PDF 20	20	1/4, 1/2	22 7/8	3 5/16
PDF 20	20	3/4	23 3/8	3 5/16
PDF 30	30	1/4, 1/2	32 3/8	3 5/16
PDF 30	30	3/4	33 3/8	3 5/16

Above example describes a PDF with 1/2 inch ports containing a 10" Poly-Fine filter cartridge with a 0.45 µm removal rating at 90% efficiency.

Part Numbers/Ordering Information

PDF ◆ - PFT ■ - 10U
 (e.g. PDF.75PFT0.45-10U)

Code	Inlet/Outlet Port Sizes
◆ .25	1/4"
◆ .50	1/2"
◆ .75	3/4"
◆ 1	1" NPT

LENNTECH

info@lenntech.com

www.lenntech.com

Tel. +31-15-261.09.00

Fax. +31-15-261.62.89

Pall Corporation has offices and plants throughout the world in locations including: Argentina, Australia, Austria, Belgium, Brazil, Canada, China, France, Germany, India, Indonesia, Ireland, Italy, Japan, Korea, Malaysia, Mexico, the Netherlands, New Zealand, Norway, Poland, Puerto Rico, Russia, Singapore, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, United Arab Emirates, United Kingdom, United States, and Venezuela. Distributors are located in all major industrial areas of the world.

© Copyright 2008, Pall Corporation. Pall, , DFT Classic, Duo-Fine, Nexis, Poly-Fine, and Varifine are trademarks of Pall Corporation. ® Indicates a Pall trademark registered in the USA.
 Filtration. Separation. Solution.™ is a service mark of Pall Corporation.