

Cartridges Filter PVDF



PVDF Pleated Filter Cartridge

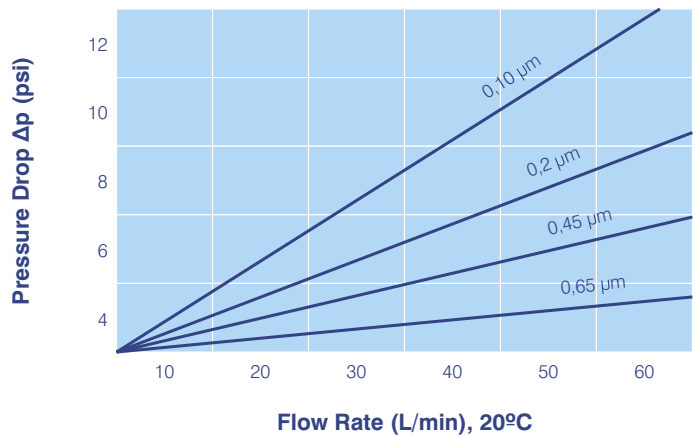
Dorsan® PVDF cartridge filters are manufactured design with 2 layers of high performance filter membranes. This using a prefilter layer reduces the plugging rate of end-filter membrane effectively.

Our filters have longer filter life and better performance than generic competitor's products. The result is maximize the flow rates and throughputs.

Dorsan® PVDF filters offer broad chemical compatibility with standard cleaning products available in the market.

Integrity Test Data*

Pore Size μm	Min. Bubble Point, 25°C	Máx. Difussion, 25°C
0.1	4.2 bar	$\leq 13 \text{ mL/min@ } 3.2 \text{ bar}$
0.2	3.4 bar	$\leq 13 \text{ mL/min@ } 2.7 \text{ bar}$
0.45	1.8 bar	$\leq 13 \text{ mL/min@ } 1.4 \text{ bar}$
0.65	1.7 bar	$\leq 13 \text{ mL/min@ } 1.3 \text{ bar}$



Applications

- Food & Beverages
- Removal of particles and microorganisms
- Protein purification
- Blood filtration
- Cell cultures



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Ordering Information

	Pore Size μm	D	Length"	E	Configurations	O-Rings/Gaskets	Insertions
DPVDF	0.1	D	10	E	Blank = DOE	B = Buna-N	R = Inox
	0.2	D	20	E	1 = DOE Flat Gasket	S = Silicone	
	0.45	D	30	E	2 = 222 w/Flat Cap	P = Polyfoam Joints	
	0.65	D	40	E	3 = 222 w/Fin	E = EPDM	
				E	6 = 226 w/Flat Cap	V = Viton®	
				E	7 = 226 w/Fin	T = Teflon® encapsulated Viton	
				E	10 = 226 w 3 flange/Fin		

Sanitation

Autoclave:

124°C, 30 min, 30 cycles
134°C, 30 min, 20 cycles

Steam In-Place:

124°C, 30 min, 30 cycles, $\Delta p < 0.5$ bar
134°C, 30 min, 20 cycles, $\Delta p < 0.5$ bar

Water Refeneration:

Temperature recomended 60°C - 80°C

Chemical Refeneration:

Sodium Hypochlorite, standard chemical

Materials of Construction

Filter Media: Polyvinylidene fluoride

Core: Polypropylene / Polysulfone

Support Layers: Polypropylene

Cage/End Caps: Polypropylene

Adaptor: Polypropylene

O-rings: EPDM / Silicone

Operating Conditions

Temperature: 1.7 bar@ 82°C

Máx. Δp Forward: 5.2 bar@ 25°C

Máx. Δp Reverse: 2.1 bar@ 25°C

Pressure: 2.4 bar

pH range: 2-12

Safety

Bacterial Endotoxin:

<0.25 EU/mL

Extractable:

<20 mg/10"

Note. We reserve the right to change these informations without any previous notice.

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