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FLUOROFLOW®

All-fluoropolymer cartridge for the effective filtration of aggressive chemicals



Fluoroflow® pleated filter cartridges feature an all-Fluoropolymer construction; this provides excellent chemical resistance when filtering acids, bases and solvents. Fluoroflow® cartridges fit in standard filter housings and are available in a variety of filter ratings, lengths and end-fittings for maximum versatility. Fluoroflow® cartridges are available flushed with UPW to minimize extractables and also wet-packed to eliminate the need for on-site wetting.

BENEFITS

- High chemical compatibility maximizes process capability
- Ultra low extractable levels minimize defect-causing contamination
- Wet-packed option eliminates lengthy wetting procedure and minimizes equipment downtime

APPLICATIONS

- Aggressive chemicals and process fluids at temperatures up to 150°C
- Ozonated and/or hot UPW

SPECIFICATIONS

Materials of construction

100% Fluoropolymer construction

Effective filtration area

6.8ft² (0.63m²) per nominal 10" (250mm) cartridge

Metals extractables

<20ppb (total) in a 10% HNO₃ extraction of 1.5 liters for 24 hours at ambient temperature

Maximum differential pressure

Forward	80psid (5.5bar) @ 75°F (24°C)
	55psid (3.8bar) @ 167°F (75°C)
	30psid (2.0bar) @ 257°F (125°C)
	15psid (1.0bar) @ 300°F (150°C)
Reverse	50psid (3.4bar) @ 75°F (24°C)
	15psid (1.0bar) @ 250°F (121°C)

Cleanliness (particle shedding)

Wet-packed	<2 particles/ml >0.2µm after 7gal at 1gal/min
Dry-packed	<2 particles/ml >0.2µm after 7gal at 1gal/min

TOC/resistivity rinse-up (wet-packed)

TOC recovery within 10ppb of feed after 12gal @ 1gal/min.
Resistivity recovery within 0.4megohm-cm of feed after 22gal @ 1gal/min.

Integrity test values

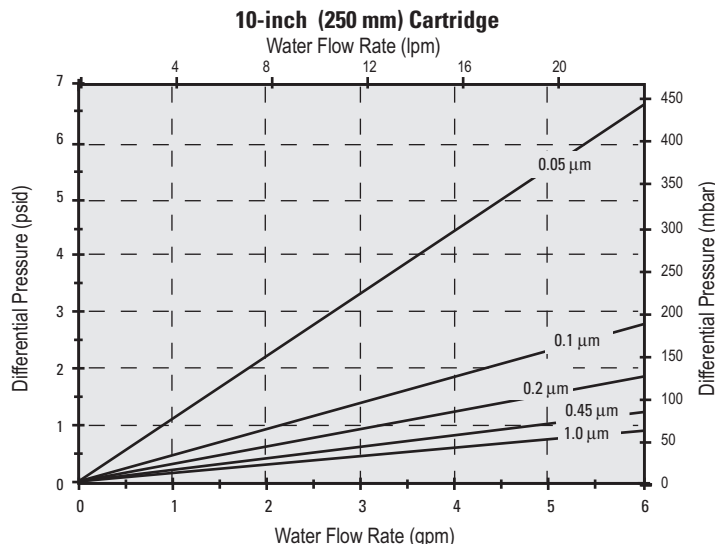
FILTER RATING	BUBBLE POINT*		
	µm	psig	bar
0.05	>40	2.8	
0.1	≥21	1.5	
0.2	≥13	0.9	
0.45	≥7	0.5	
1.0	≥3	0.2	

*Tested in 60/40 IPA/water @ 25°C

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PERFORMANCE ATTRIBUTES



ORDERING INFORMATION

Each cartridge is identified with a product number, pore size and lot number for traceability.

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End Fitting		Nominal Length		Filter Rating		O-Rings		Options	
CODE	DESCRIPTION	CODE	LENGTH	CODE	MICRON	CODE	MATERIAL	CODE	TREATMENT
2	226/Flat	04	4" (102mm)	925	0.05µm	2	Silicone	Blank	UPW Flush
3	222/Flat	10	10" (250mm)	001	0.1µm	4	Viton®	F	Ozone UPW Flush
7	226/Fin	20	20" (500mm)	002	0.2µm	5	FEP-Encapsulated Viton	W	Wet Packed
8	222/Fin	30	30" (750mm)	004	0.45µm	6	FEP-Encapsulated Silicone		
		40	40" (1000mm)	010	1.0µm	7	Chemraz®		
				503	100 (Nominal)	N	None		

TECHNICAL SUPPORT AND PRODUCT ORDERING

domnick hunter Advanced Filtration provides our customers with unsurpassed product consistency and cost-efficiency. Our experienced professionals can help you select the right solution for your application. For more information or to place an order, contact your local distributor. Information on product specifications, applications and chemical compatibility can be found on our web site at www.domnickhunter-af.com or through your nearest domnick hunter Advanced Filtration office.

domnick hunter Advanced Filtration designs and manufactures an extensive line of innovative solutions for specific applications in Biopharmaceutical, Microelectronics, Food and Beverage, Industrial and Chemical industries.

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