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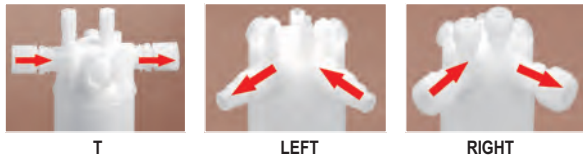
FLUOROCAP®

Encapsulated all-fluoropolymer cartridge for aggressive chemical filtration



FluoroCap encapsulated filters feature an all-fluoropolymer pleated filter cartridge for excellent chemical resistance in aggressive chemical applications. The integral filter design maximizes up-time by providing faster and easier change-out without laborious cleaning protocols. Because the replacement of filter elements is eliminated, the chance of introducing contamination into the process is minimized. FluoroCap increases the level of safety, and reduces the risk of exposure to hazardous materials.

FluoroCap capsules are available flushed with ozonated UPW to further minimize extractables or wet-packed to eliminate on-site wetting for use in aqueous applications.



BENEFITS

- Integral filter cartridge and housing offers new housing every time
- Chemical resistance increases process capability and compatibility
- Capsules reduce downtime, chance of contamination and risk of exposure to hazardous materials during changing out filter
- All filters are 100% integrity tested before release for reliable product performance
- All capsules are 100% pressure tested to assure reliable product performance

APPLICATIONS

- Aggressive chemicals and process fluids under harsh conditions

SPECIFICATIONS

Materials of construction

100% Fluoropolymer construction

All components are thermally bonded to assure integrity and reduce extractables.

Effective filtration area

EFFECTIVE FILTRATION AREA	NOMINAL CAPSULES LENGTH	FILTER LENGTH
4.8 ft ² (0.45m ²)	9" (230mm)	4" (100mm)
9.8 ft ² (0.9m ²)	17.5" (445mm)	10" (250mm)
19.6 ft ² (1.82m ²)	26.25" (660mm)	20" (500mm)
29.4 ft ² (2.76m ²)	36.5" (927mm)	30" (750mm)
9.8 ft ² (0.9m ²)	14.5" (368mm)	10" (250mm)

Metals extractables

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

Maximum differential pressure/temperature

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	

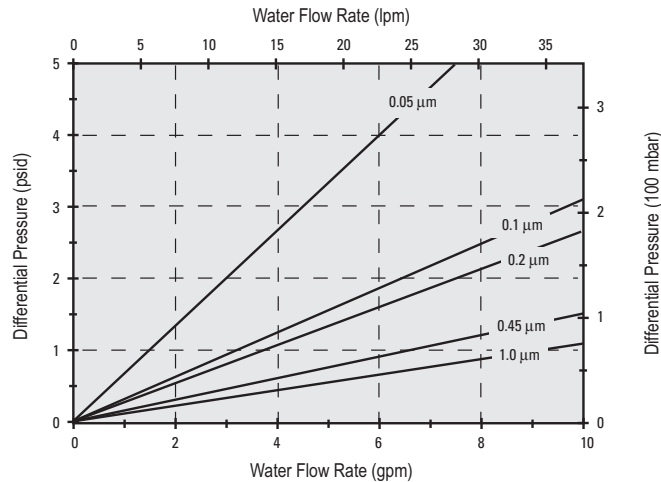
*Tested in 60/40 IPA/water @ 25°C

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PERFORMANCE ATTRIBUTES

10-inch (250 mm) cartridge



*Flow rates shown are for FluoroCap filters made with 3/4" Flaretek (in-line) fittings.

Flow-rates shown are for FluoroCap filters made with 3/4" Flaretek (in-line) fittings.

ORDERING INFORMATION

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

Style		Treatment		Element Length		Connections			Vent Alignment ⁴		Filter Rating		
CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	LENGTH	CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	MICRON		
F ¹	In-Line	C	Dry Packed (STD)	0	4" (100mm)	B	3/4" Butt weld	K	3/4" Pillar 90°	S	Same Side	925	0.05 μm
T	T-Style	W	Ozonated UPW	1	10" (250mm)	C	3/8" Flaretek® 90°	P	3/4" MNPT	D	180° Opposite Side	001	0.1 μm
L	L-Style (Left)		Flushed and	2	20" (500mm)	D	1/2" Flaretek 90°	W ³	3/4" Pillar	C ⁵	Centered	002	0.2 μm
R	R-Style (Right)		Wet Packed	3	30" (750mm)	E	3/4" Flaretek 90°					004	0.45 μm
				4 ²	10" (250mm) (Short)	F ³	3/4" Flaretek					010	1.0 μm
						G	3/8" Flaretek						
						H	1/2" Flaretek						
						J	3/4" Flarelock®						

¹F cannot be ordered with W connections.

²Inline only

³T, L, R can only be ordered with F and W connections

⁴Vent/Drain connections are 1/4" versions of the inlet/outlet fittings, except for codes K and W which are 1/2" Pillar vent/drain fittings.

⁵T, L and R only

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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