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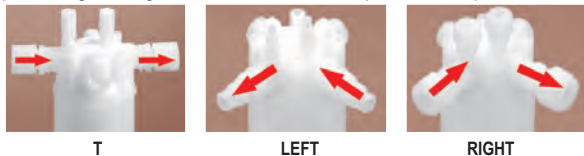
FLUOROCAP®-SELECT

Highest flow-rate all-fluoropolymer capsule for aggressive chemical applications



FluoroCap®-SELECT encapsulated filter cartridges offer exceptional flow-rates and on-stream life at high temperatures up to 150°C and high differential pressures. The SELECT membrane pleat design (patent pending) results in higher flow-rates and greater filter life and less down-time than a standard pleated configuration. The integral filter design maximizes up-time by providing faster and easier change-out without laborious cleaning protocols. Increased worker safety results from the reduced exposure to hazardous materials. The elimination of filter element replacement reduces the potential for process contamination.

The FluoroCap® family of capsules is offered in several versions providing a range of flow-rate and temperature capabilities.



BENEFITS

- Chemical and thermal resistance increases process capability
- All-fluoropolymer design provides the highest level of purity
- Capsules reduce downtime, chance of contamination and risk of exposure to hazardous materials
- All filters are 100% integrity tested to ensure product performance

APPLICATIONS

- Aggressive chemicals and process fluids under harsh conditions

SPECIFICATIONS

Materials of construction

100% Fluoropolymer construction

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

Effective filtration area

EFFECTIVE FILTRATION AREA	NOMINAL CAPSULES LENGTH	FILTER LENGTH
6.0 ft ² (0.56m ²)	9" (230mm)	4" (100mm)
12.2 ft ² (1.1m ²)	17.5" (445mm)	10" (250mm)
24.4 ft ² (2.2m ²)	26.25" (660mm)	20" (500mm)
36.6 ft ² (3.3m ²)	36.5" (927mm)	30" (750mm)
12.2 ft ² (1.1m 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

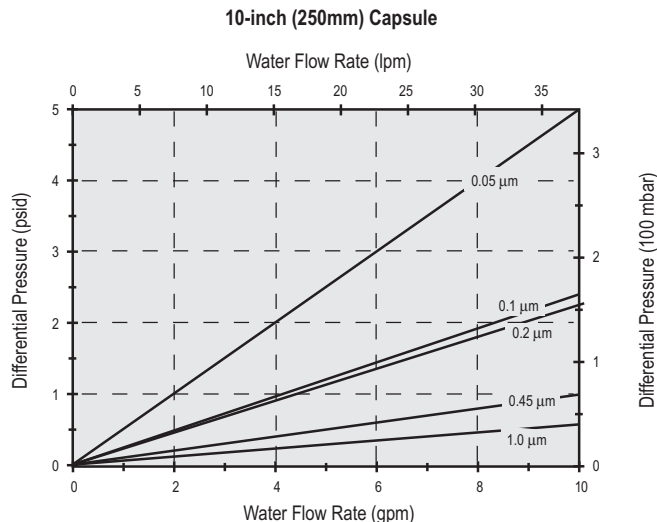
FILTER RATING	BUBBLE POINT*	
	psig	bar
µm		
0.05	>40	2.8
0.1	≥21	1.5
0.2	≥13	0.9
0.45	≥7	0.5
1.0	≥3	0.2

*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.

Style		Treatment		Element Length		Connections			Vent Alignment ⁴		Filter Rating	
CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	LENGTH	CODE	DESCRIPTION	CODE	ALIGNMENT	CODE	MICRON	
F ¹	In-Line	C	Dry Packed (STD)	0	4" (100mm)	B	3/4" Butt weld	K	3/4" Pillar 90°	S	0.05µm	
T	T-Style	W	Ozonated UPW	1	10" (250mm)	C	3/8" Flaretek® 90°	P	3/4" MNPT	D	0.1µm	
L	L-Style (Left)		Flushed and	2	20" (500mm)	D	1/2" Flaretek 90°	W ³	3/4" Pillar	C ⁵	0.2µm	
R	R-Style (Right)		Wet Packed	3	30" (750mm)	E	3/4" Flaretek 90°				0.45µm	
				4 ²	10" (250mm) (Short)	F ³	3/4" Flaretek				0.02µm	
						G	3/8" Flaretek				0.04µm	
						H	1/2" Flaretek				0.10µm	
						J	3/4" Flarelock®				0.10µm	

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.

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AMERICAS

domnick hunter Advanced Filtration
 2340 Eastman Avenue
 Oxnard, California, USA 93030
 Toll Free +1 877 784 2234
 Phone +1 805 604 3400
 Fax +1 805 604 3401
info@domnickhunter.com
www.domnickhunter-af.com

UNITED KINGDOM

domnick hunter limited
 Durham Road, Birtley
 Co, Durham
 England DH3 2SF
 Phone +44 (0)191 410 5121
 Fax +44 (0)191 410 5312
info@domnickhunter.com
www.domnickhunter.com

domnick hunter Inc.
 5900-B Northwood Parkway
 Charlotte, NC USA 28269
 Toll Free +1 800 345 8462
 Phone +1 704 921 9303
 Fax +1 704 921 1960
www.domnickhunter.com

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 *US Patents Pending 4,588,464 and 4,663,041