



154

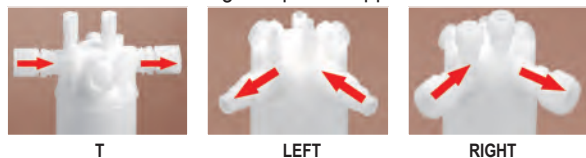
FLUOROCAP®-SELECT-HT

Highest flow-rate all-fluoropolymer cartridge for aggressive chemical applications up to 180°C



With FluoroCap®-SELECT-HT encapsulated filter cartridges, exceptional flow-rates and on-stream life can be obtained in high temperature processes up to 180°C. 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.

FluoroCap®-SELECT-HT capsules are available flushed with ozonated UPW and wet-packed to minimize extractables and eliminate on-site wetting in aqueous applications.



BENEFITS

- Chemical and thermal resistance increases process compatibility and capability
- Capsules reduce downtime, chance of contamination and risk of exposure to hazardous materials
- All filters are 100% integrity tested to assure reliable product performance
- All capsules are 100% pressure tested before release

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 CAPSULE LENGTH	FILTER LENGTH
6.0ft ² (0.56m ²)	9" (230mm)	4" (100mm)
12.2ft ² (1.1m ²)	17.5" (445mm)	10" (250mm)
24.4ft ² (2.2m ²)	26.25" (660mm)	20" (500mm)
36.6ft ² (3.3m ²)	36.5" (927mm)	30" (750mm)
12.2ft 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	100psid (6.8bar) @ 75°F (24°C)
	75psid (5.1bar) @ 167°F (75°C)
	50psid (3.4bar) @ 257°F (125°C)
	15psid (1.0bar) @ 356°F (180°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

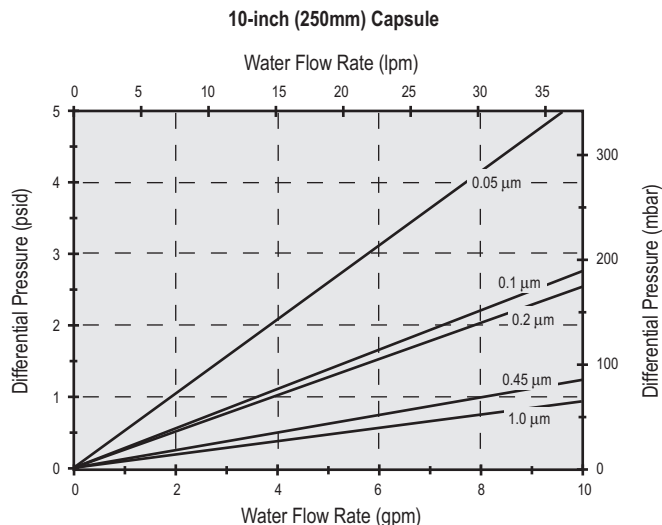
FILTER RATING	BUBBLE POINT*		
	µm	psig	bar
0.05	>40	2.8	
0.1	≥21	1.5	
0.2	≥13	0.9	
0.45	≥7	0.5	
1.0	≥3	0.2	

*Tested in 60/40 IPA/water @ 25°C

FLUOROCAP®-SELECT-HT

Highest flow-rate all-fluoropolymer cartridge for aggressive chemical applications up to 180°C

PERFORMANCE ATTRIBUTES



flow-rates shown are for FluoroCap-SELECT filters made with 3/4" Flarelock (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 ³		Filter Rating	
CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	LENGTH	CODE	DESCRIPTION	CODE	ALIGNMENT	CODE	MICRON
F	In-Line	C	Dry Packed (STD)	0	4" (100mm)	J	3/4" Flarelock® Inlet/Outlet;	S	Same Side	925	0.05μm
T	T-Style	W	Ozonated UPW	1	10" (250mm)	W ²	1/4" Flarelock Vent	D	180° Opposite Side	001	0.1μm
L	L-Style (Left)		Flushed and	2	20" (500mm)		3/4" Pillar Inlet/Outlet;	C ⁴	Centered	002	0.2μm
R	R-Style (Right)		Wet Packed	3	30" (750mm)		1/2" Pillar Vent			004	0.45μm
				4 ¹	10" (250mm) (Short)					010	1.0μm

¹ Inline only

² T, L, R can only be ordered with W connections

³ Vent/Drain connections are 1/4" versions of the inlet/outlet fittings, except for code W which has 1/2" Pillar vent/drain fittings.

⁴ T, 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.

DISTRIBUTED BY

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

Specifications are subject to change without notification
© 2005 domnick hunter Advanced Filtration
FluoroCap is a registered trademark of domnick hunter Advanced Filtration
FlareLock is a trademark of Fluoware, Inc.
*US Patent Pending 4,588,464 and 4,663,041