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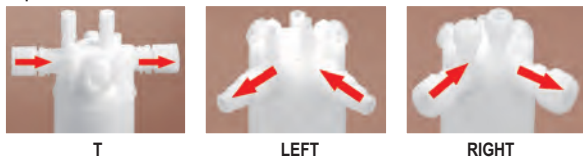
FLUOROCAP®-HT

Encapsulated all-fluoropolymer cartridge for aggressive chemical filtration up to 180°C



FluoroCap®-HT encapsulated filter cartridges provide excellent chemical and temperature resistance in applications using aggressive chemicals at up to 180°C. The integral filter design maximizes up-time by providing faster and easier change-out with no 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®-HT capsules are available flushed with ozonated UPW and wet-packed to minimize extractables and eliminate on-site wetting in aqueous applications. These capsules are offered in several versions providing a range of flow-rate and temperature capabilities.



BENEFITS

- 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 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 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	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

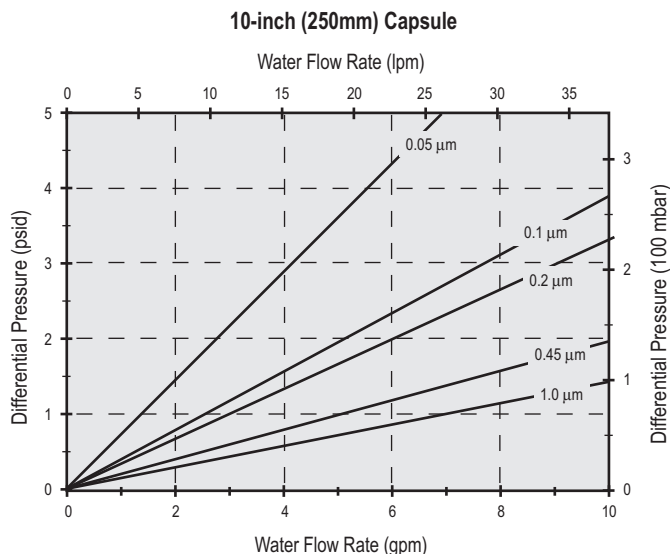
FILTER RATING	BUBBLE POINT*	
	psig	bar
0.05	>40	2.8
0.1	≥21	1.5
0.2	≥13	0.9
0.45	≥7	0.5
1.0	≥3	0.2

*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.

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 Flushed and Wet Packed	1	10" (250mm)	W ²	1/4" Flarelock Vent	D	180° Opposite Side	001	0.1µm
L	L-Style (Left)			2	20" (500mm)		3/4" Pillar Inlet/Outlet;	C ⁴	Centered	002	0.2µm
R	R-Style (Right)			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.

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