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FLUOROFLOW[®]-SELECT

All-fluoropolymer, highest flow-rate cartridge for applications up to 180°C



In high temperature processes, exceptional flow-rates and on-stream life can be obtained by using Fluoroflow[®]-SELECT filter cartridges. The SELECT membrane pleat design (patent pending) results in higher flow-rates, longer filter life and less down-time than a standard pleated configuration. The all-fluoropolymer construction offers excellent chemical resistance in aggressive chemical applications.

BENEFITS

- Exceptional flow-rates increase bath turnover rates
- High chemical and thermal resistance
- 100% integrity tested
- Operating temperature 150°C (up to 180°C with HT option)
- Wet-packed option available for swift installation
- Higher membrane area from increased filter life

APPLICATIONS

- Processes using aggressive chemicals and process fluids
- High temperature recirculation baths operating at elevated temperatures
- Hot phosphoric acid in processes used in aluminum etching

SPECIFICATIONS

Materials of construction

100% Fluoropolymer construction

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

Effective filtration area

6.0ft ² (0.56 m ²)	4" (100mm) cartridge
12.2ft ² (1.1 m ²)	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/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) @ 300°F (150°C)
Forward HT option	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	<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

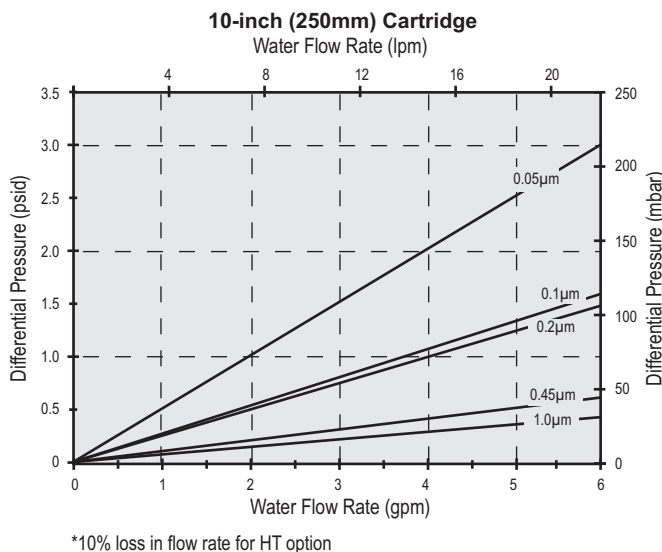
FILTER RATING	BUBBLE POINT*	
	psig	bar
µm		
0.05	>40	2.8
0.1	≥21	1.5
0.2	≥13	0.9
0.45	≥7	0.5
1.0	≥3	0.2

*Tested in 60/40 IPA/water @ 25°C

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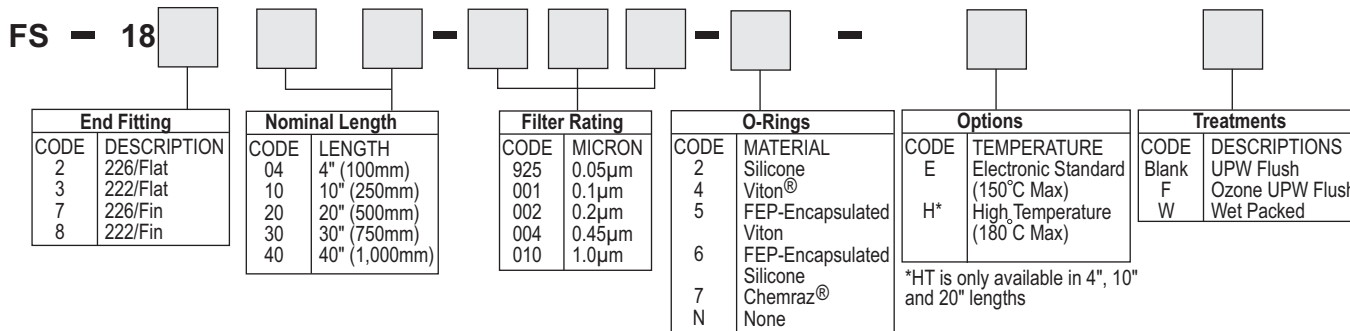
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PERFORMANCE ATTRIBUTES



ORDERING INFORMATION

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



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