



## FLUOROFLOW-SELECT Filter Cartridges

- liquid filters
- polytetrafluoroethylene (PTFE)

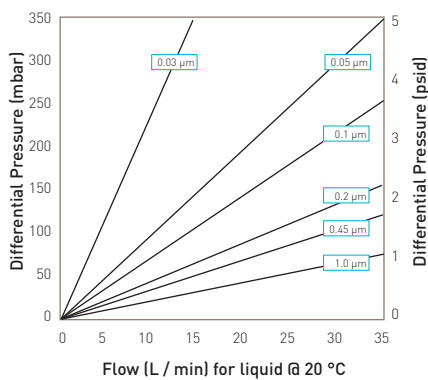
With FLUOROFLOW-SELECT filter cartridges, exceptional flow rates and on-stream life can be obtained in high temperature processes. The Select membrane pleat design results in higher flow rates and greater filter life and less down-time than a standard pleated configuration. The cartridge's all-fluoropolymer construction offers excellent chemical resistance.

### Features and Benefits

- All fluoropolymer construction
- High flow rate increases throughput
- Compatible with most standard filter housings
- All filters are 100% integrity tested
- Select pleating provides high flow rates
- High temperature available



### Performance Characteristics



Typically more than 44 scfm / psid for 0.05μm, more than 61 scfm / psid for 0.1μm and more than 82 for 0.2μm

10" Size (250 mm) Cartridge

## Specifications

### Materials of Construction

- Filtration Membrane: Polytetrafluoroethylene (PTFE)
- Upstream Support: Polytetrafluoroethylene (PTFE)
- Downstream Support: Polytetrafluoroethylene (PTFE)
- Inner Support Core: PFA
- Outer Protection Cage: PFA
- End Caps: PFA
- Standard o-rings: FEP Encapsulated Silicone

- Select Pleating



### Effective Filtration Area (EFA)

4" (100 mm)	0.56 m <sup>2</sup> (6.0 ft <sup>2</sup> )
10" (250 mm)	1.1 m <sup>2</sup> (12.2 ft <sup>2</sup> )

### Recommended Operating Conditions

Temperature		Max. Forward dP	
°C	°F	(bar)	(psid)
24	75	5.5	80.0
75	167	3.8	55.0
125	257	2.0	30.0
150	302	1.0	15.0

Temperature		Max. Reverse dP	
°C	°F	(bar)	(psid)
24	75	3.4	50.0
121	250	1.0	15.0

### Integrity Test Values

Micron Rating		0.05	0.1	0.2	0.45	1.0
Diffusional Flow	(bar)	2.8	1.5	0.9	0.5	0.2
Test Pressure	(psig)	≥40	≥21	≥13	≥7	≥3

Tested in 60/40 IPA/DI water @ 25°C (77°F)

### Particle Shedding

Wet-packed <2 particles / ml >0.2 µm after 26.5L @ 3.8L / min

Dry-packed <2 particles / ml >0.2 µm after 26.5L @ 3.8L / min

### Metals Extractables

<20ppb (total) in a 10% HN03 extraction of 1.5 litres for 24 hours at ambient temperatures.

### Applications

- Aggressive acids, bases and solvents
- Photolithography chemicals
- Ozonated and / or hot UPW

## Ordering Information

<b>FS</b>	-	<b>18</b>		-		-		-	<b>E</b>	
<b>Code   End Fitting</b>	<b>Code   Length (Nominal)</b>	<b>Code   Micron</b>	<b>Code   Gasket / O-rings</b>	<b>Code   Options Treatment</b>						
2 226 / Flat 3 222 / Flat 7 226 / Fin 8 222 / Fin	04 4" (125 mm) 10 10" (250 mm) 20 20" (500 mm) 30 30" (750 mm) 40 40" (1000 mm)	423 0.03 µm 925 0.05 µm 001 0.1 µm 002 0.2 µm 004 0.45 µm 010 1.0 µm	2 Silicone 4 Viton* 5 FEP-Encapsulated Viton 6 FEP-Encapsulated Silicone 7 Chemraz D Kalrez N None	Blank UPW Flush F Ozone UPW Flush W Wet Packed						

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