



FLUOROFLOW-SELECT Filter Cartridges

- liquid filters
- polytetrafluoroethylene (PTFE)

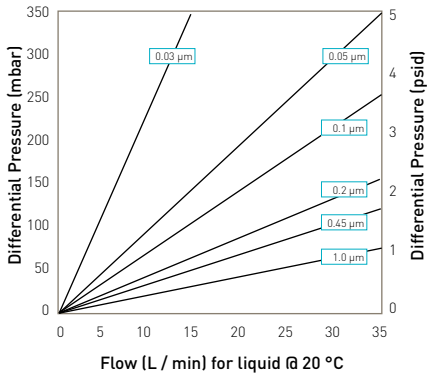
With FLUOROFLOW-SELECT filter cartridges, exceptional flow rates and on-stream life can be obtained in high temperature processes. The Select membrane pleat design results in higher flow rates and greater filter life and less down-time than a standard pleated configuration. The cartridge's all-fluoropolymer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



Features and Benefits

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

FLUOROFLOW-SELECT Filter Cartridges

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 m² (6.0 ft²)
10" (250 mm) 1.1 m² (12.2 ft²)

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

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

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