



FLUOROFLOW-SELECT Filter Cartridges

- liquid filters
- polytetrafluoroethylene (PTFE)

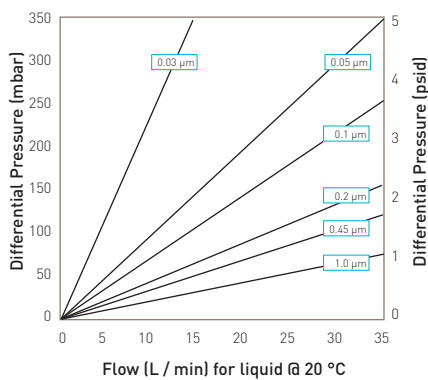
With FLUOROFLOW-SELECT filter cartridges, exceptional flow rates and on-stream life can be obtained in high temperature processes. The Select membrane pleat design results in higher flow rates and greater filter life and less down-time than a standard pleated configuration. The cartridge's all-fluoropolymer 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 ² (6.0 ft ²)
10" (250 mm)	1.1 m ² (12.2 ft ²)

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-Encapsulated 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				

*Viton is a registered trademark of E.I. DuPont de Nemours & Co., Inc

Parker domnick hunter has a continuous policy of product development and although the Company reserves the right to change specifications, it attempts to keep customers informed of any alterations. This publication is for general information only and customers are requested to contact our Process Filtration Sales Department for detailed information and advice on a products suitability for specific applications. All products are sold subject to the company's Standard conditions of sale.

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Map and Directions to Prosep Filters Limited



Leave M62 at Junction 24.

At roundabout adjacent to Cedar Court Hotel take 2nd exit onto dual carriageway (A629), signposted Halifax.

Take 1st exit slip road.

At roundabout at end of sliproad, take 3rd exit off.

This is the entrance to Lowfields Business Park.

Proceed straight over 1st roundabout.

At next roundabout take 2nd exit onto River Bank Way - Prosep Filters can be found on the left after the S-bend.

[Link to Google Maps](#)