

Fluoroflow®

All-fluoropolymer cartridge for aggressive applications

The Fluoroflow® filter cartridge is our standard product for aggressive wet etch and clean applications. It provides good flow rates and on-stream life at an economical cost. The all-fluoropolymer construction provides excellent chemical resistance for the most aggressive applications up to 150°C. It is available either ozone DI flushed and dried or wet-packed for quick installation.



Contact Information

Parker-Hannifin Corporation
domnick hunter
Process Filtration - N.A.
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Benefits

- Economical
- Wet-pack option for quick installation
- All-fluoropolymer for maximum chemical resistance
- 100% integrity tested for consistent quality

Applications

- Wet etch and clean
 - Phosphoric acid
 - Sulfuric acid
 - Hydrofluoric acid
 - Nitric acid
 - Piranha
 - SC1, SC2
 - NMP-based solvents
- Other high temperature or ozonated processes



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Fluoroflow®

SPECIFICATIONS

Materials of Construction

100% Fluoropolymer construction
All components are thermally bonded to ensure integrity and reduce extractables.

Effective Filtration Area

6.8ft² (0.63m²) per nominal 10"
(250mm) cartridge

Metals Extractables*

Standard: <20ppb (total)
Ultrapure: <5ppb (total)

*In a 10% HNO₃ extraction

Maximum Differential Pressure/Temperature

Forward:

80psid (5.5bar) @ 75°F (24°C)
55psid (3.8bar) @ 167°F (75°C)
30psid (2.0bar) @ 257°F (125°C)
15psid (1.0bar) @ 300°F (150°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
@ 1gal/min

TOC/Resistivity Rinse-up (wet-packed)

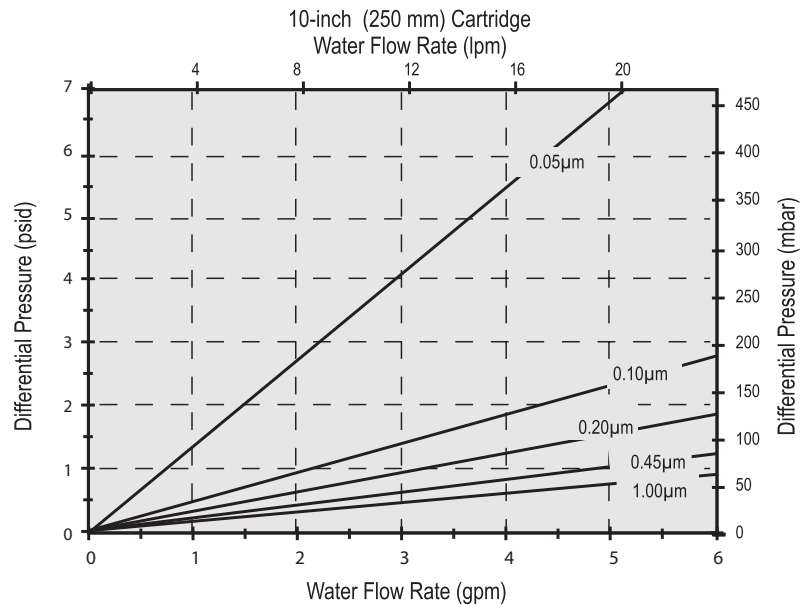
TOC recovery within 3-5ppb of feed
without additional rinse-up.

Resistivity recovery within 0.4megohm-cm
of feed after 22gal @ 1gpm.

Performance Attributes

Water flow rates, Typical*		
Micron	gpm/psid	lpm/100mbar
0.05	0.9	4.9
0.1	2.3	13
0.2	3.2	18
0.45	4.7	26
1.0	6.7	37

*Per 10" (250mm) cartridge equivalent.



Ordering Information

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

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End Fitting		Nominal Length			Filter Rating		O-Rings		Treatment	
CODE	DESCRIPTION	CODE	INCHES	mm	CODE	MICRON	CODE	MATERIAL	CODE	OPTIONS
2	226 Flat	04	4"	102	925	0.05	2	Silicone	Blank	UPW Flush & Dry
3	222 Flat	10	10"	250	001	0.1	4	Viton®	F	Ozone UPW Flush & Dry
7	226 Fin	20	20"	500	002	0.2	5*	FEP-Encapsulated Viton®	W	Wet Packed
8	222 Fin	30	30"	750	004	0.45	6*	FEP-Encapsulated Silicone	U	Ultrapure (pre-wet)
		40	40"	1000	010	1.0	7	Chemraz®		
					503	100 (Nominal)	N	None		
							K	Kalrez®		

*O-Ring only

Specifications are subject to change without notification.
For User Responsibility Statement, see www.parker.com/safety
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Viton and Kalrez are registered trademarks of E.I. DuPont de Nemours & Co., Inc.
Chemraz is a registered trademark of Green, Tweed Companies.

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DS_ME_Fluoroflow Cart. Rev. A



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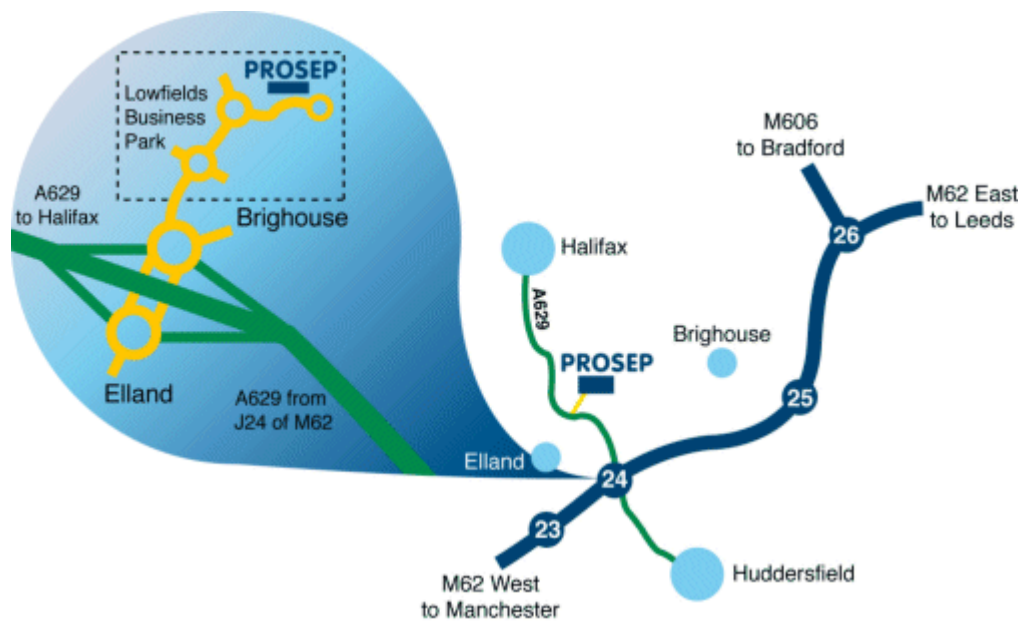
Tel: 01422 377367

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Email: enquiries@prosep.co.uk

www.prosep.co.uk

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](#)