

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

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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)

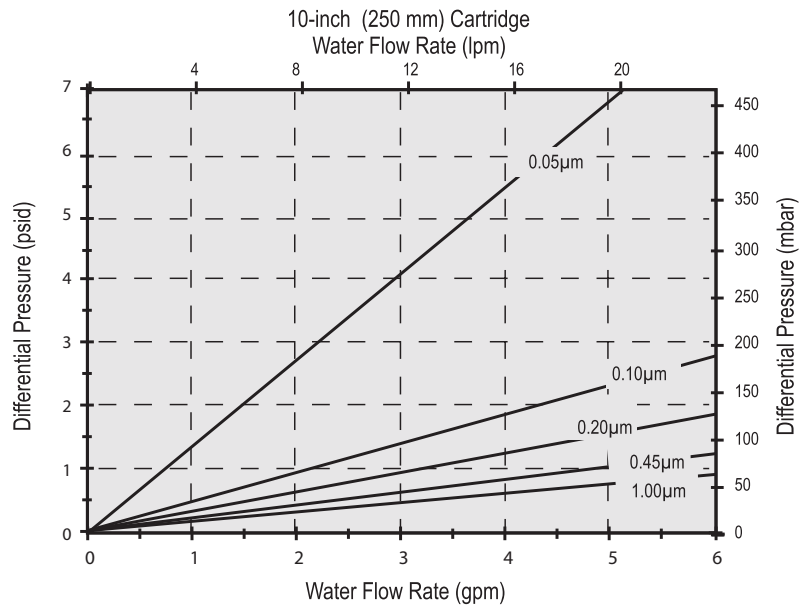
TOC recovery within 3-5ppb of feed without additional rinse-up.

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	0.50	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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DS_ME_Fluoroflow Cart. Rev. A



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