

Fluoroflow®-XF

Highest-flowing all-fluoropolymer cartridge for the most aggressive applications

The Fluoroflow®-XF filter cartridge uses a superior asymmetric PTFE membrane which provides unmatched flow rates and on-stream life. Customers using the cartridge for viscous fluids like phosphoric acid, have reported flow rates and lifetimes more than twice that of the leading competitor. The advantages of increased bath turnover and longer lifetime improve yields while decreasing filtration costs. In addition, the all-fluoropolymer construction provides excellent chemical resistance for the most aggressive applications up to 180 °C. Available dry, wet-packed for quick installation or Ultraclean wet-packed which offers the lowest metals extractables in the industry.



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Benefits

- Highest flow rates in the industry
- Longest lifetime
- Wet-pack option for quick installation
- Ultraclean option for absolute cleanliness
- All-fluoropolymer for maximum chemical resistance
- 100% integrity tested for consistent quality

Applications

- Wet etch and clean
 - Hot phosphoric acid
 - Sulfuric acid
 - Hydrofluoric acid
 - Nitric acid
 - Piranha
 - SC1, SC2
 - NMP-based solvents
- Other high temperature or ozonated processes
- Ultrapure electronics-grade gases



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Fluoroflow®-XF

SPECIFICATIONS

Materials of Construction

Asymmetric PTFE membrane
All-fluoropolymer support & structure
All components are thermally bonded to ensure integrity and reduce extractables.

Effective Filtration Area

SELECT:

11.4 ft² (1.03m²) per nominal 10" (250mm) cartridge

Standard:

6.8 ft² (0.61m²) per nominal 10" (250mm) cartridge

Metals Extractables*

Standard: <20ppb (total)

Ultraclean: <5ppb (total)

*In a 10% HNO₃ extraction

Maximum Differential Pressure/Temperature

Forward:

SELECT - 80psid (5.5bar) @ 75°F (24°C)

Standard - 60psid (4.1bar) @ 75°F (24°C)

HT option - 15psid (1.0bar) @ 356°F (180°C)

Reverse:

SELECT - 50psid (3.4bar) @ 75°F (24°C)

Standard - 40psid (2.8bar) @ 75°F (24°C)

HT option - 5psid (1.0bar) @ 250°F (121°C)

Cleanliness (particle shedding)

Wet-packed: <2 particles/ml >0.2µm after 7gal @ 1gpm

Data is from open bag and installed, no additional installation flushing.

TOC/Resistivity Rinse-up (wet-packed)

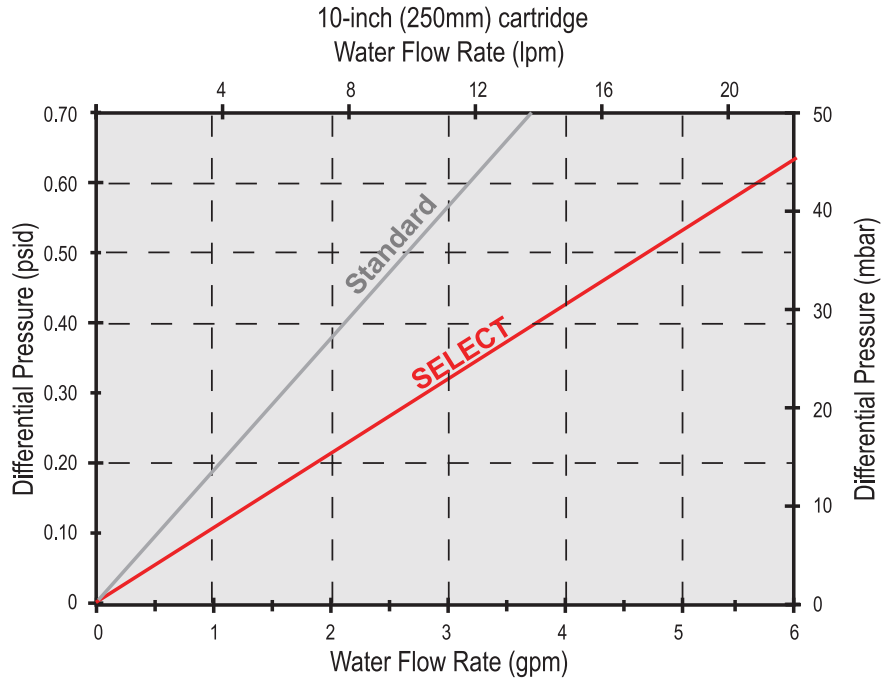
TOC recovery within 5ppb of feed without additional rinse-up.

Resistivity recovery within 0.2 megohm-cm of feed after 12gal @ 1gpm.

Performance Attributes

Filter	Typical Water Flow Rate*		Typical Air Flow Rate		
	Type	gpm/psid	lpm/100mbar	scfm/psid	Nm ³ /hr /100mbar
SELECT		9.5	52	165	408
Standard		5.7	31	131	324

*Per 10" (250mm) cartridge equivalent.



Ordering Information

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

Pleat Technology		End Fitting		Nominal Length			Filter Rating		O-Rings		Temperature		Treatment	
CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	INCHES	mm	CODE	MICRON	CODE	MATERIAL	CODE	OPTIONS	CODE	OPTIONS
FS-18	SELECT	2	226/Flat	04	4"	100	031	0.1 (XF)	2	Silicone	E	Electronic Standard (150°C Max)	Blank	Dry Packed (Std.)
33-14	Standard	3	222/Flat	10	10"	250			4	Viton®	H	High Temperature (180°C Max)	W	Wet Packed
		7	226/Fin	20	20"	500			5	FEP-Encapsulated Viton®			U	Ultraclean (pre-wet)
		8	222/Fin	30*	30"	750			6	FEP-Encapsulated Silicone			F	Ozone Flush & Dry
									7	Chemraz®				
									N	None				
									K	Kalrez®				

*High temperature is not available in 30" length

Specifications are subject to change without notification.
For User Responsibility Statement, see www.parker.com/safety
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