Fluoroflow® Filter Cartridge

Economical all-fluoropolymer cartridge for aggressive applications

The Fluoroflow® filter cartridge is an economical all-fluoropolymer product for wet etch and clean processes as well as certain high-purity chemical production 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
  – Hydrofluoric acid
  – Hydrochloric acid
  – SC1,SC2
- Other high temperature or ozonated processes
- High-purity chemical and solvent manufacturing
- High-purity chemical distribution

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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)
Ultraclean: <5ppb (total)
*In a 10% HNO_3 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

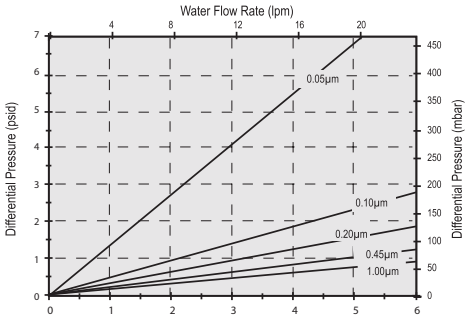
TOC/Resistivity Rinse-up (wet-packed)
TOC recovery within 3-5ppb of feed without additional rinse-up.

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

Performance Attributes

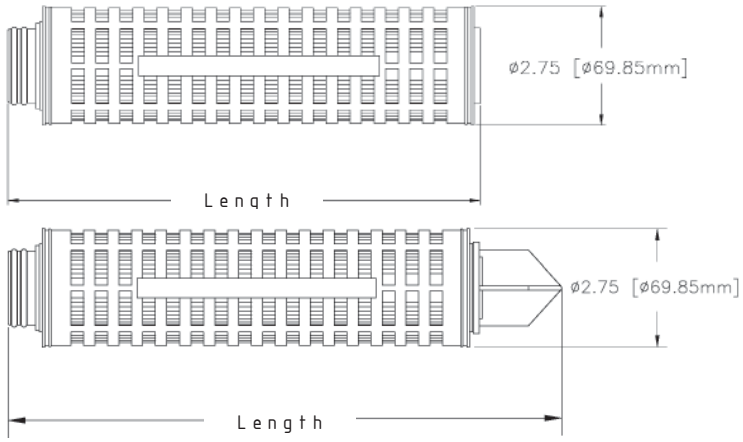
Water flow rates, Typical*		
Micron	**gpm/psid**	**lpm/100mbar**
0.05	0.9	4.9
0.1	2.3	13
0.2	3.2	18
0.45	4.7	26
1.0	6.7	37

*Per 10˝ (250mm) cartridge equivalent.



33-14 Standard Pleat Nominal Lengths										
Code	**4**		**10**		**20**		**30**		**40**	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
3	5.6	142	10.0	254	18.8	478	27.6	701	35.9	912
8	7.6	193	12	305	20.8	528	29.5	749	37.8	960

Note: For other code lengths, please contact your local Parker domnick hunter representative.



Ordering Information

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

33 — 14 ☐ ☐ ☐ — ☐ ☐ ☐ — ☐ — E ☐

End Fitting	
CODE	**DESCRIPTION**
2	226 | Flat
3	222 | Flat
7	226 | Fin
8	222 | Fin

Nominal Length		
CODE	**INCHES**	**mm**
04	4	102
10	10	250
20	20	500
30	30	750
40	40	1000

Filter Rating	
CODE	**MICRON**
925	0.05
001	0.1
002	0.2
004	0.45
010	1.0
503	100 (Nominal)

O-Rings	
CODE	**MATERIAL**
2	Silicone
4	Viton®
5*	FEP-Encapsulated Viton®
6*	FEP-Encapsulated Silicone
7	Chemraz®
N	None
K	Kalrez®
P	PFA-Encapsulated Viton®

*O-Ring only

Treatment	
CODE	**OPTIONS**
Blank	UPW Flush & Dry
F	Ozone UPW Flush & Dry
W	Wet Packed
U	Ultraclean (pre-wet)

DS_ME_Fluoroflow Cart. Rev. C

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