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.

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

Parker Hannifin Corporation provides our customers with unsurpassed product consistency and cost-efficiency.
Our experienced professionals can help you select the right solution for your application. For more information or to place an order, contact your local distributor. Information on product specifications, applications and chemical compatibility can be found on our web site at www.parker.com or through your nearest **Parker Hannifin Corporation** office.

Parker Hannifin Corporation designs and manufactures an extensive line of innovative solutions for specific applications in the Microelectronics, Biopharmaceutical, Food and Beverage, Industrial and Chemical industries.

Parker

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Fluoroflow®

Specifications

Materials of Construction
100% Fluoropolymer construction

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) @ 75ºF (24ºC)
55psid (3.8bar) @ 167ºF (75ºC)
30psid (2.0bar) @ 257ºF (125ºC)
15psid (1.0bar) @ 300ºF (150ºC)

Reverse 50psid (3.4bar) @ 75ºF (24ºC)
15psid (1.0bar) @ 250ºF (121ºC)

Cleanliness (particle shedding)
Wet-packed <2 particles/ml >0.2µm after 7gal at 1gal/min

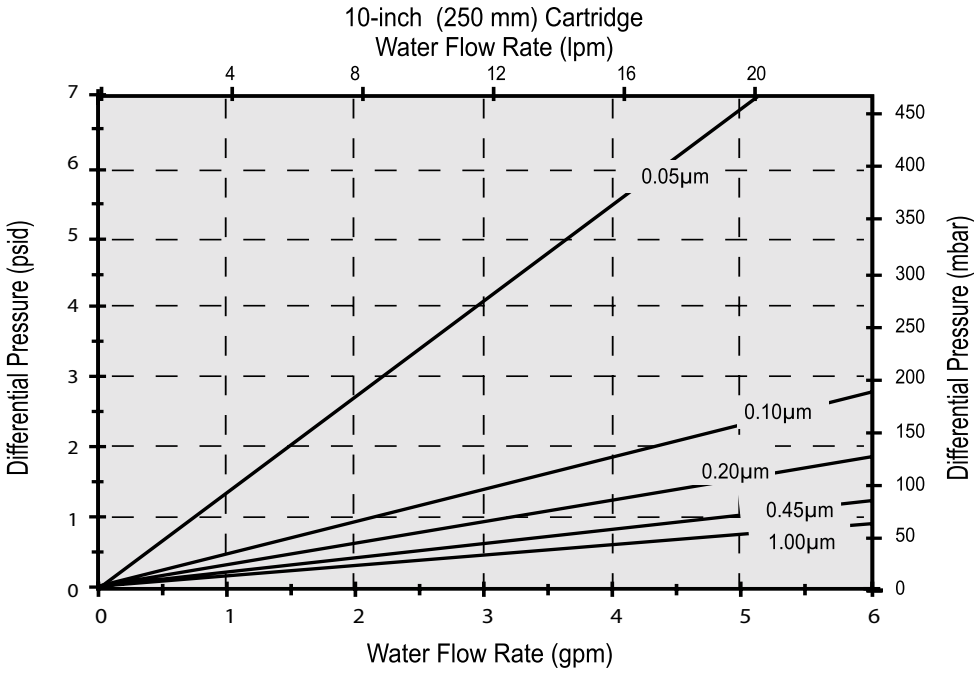
TOC/Resistivity Rinse-up (wet-packed)
TOC recovery within 3-5ppb of feed without additional rinse-up. Resistivity recovery within 0.4megohm-cm of feed after 22gal @ 1gpm.

Performance Attributes

Water Flow rates, Typical *

0.05µm	0.9gpm/psid (4.9lpm/100mbar)
0.10µm	2.3gpm/psid (12.7lpm/100mbar)
0.20µm	3.2gpm/psid (17.6lpm/100mbar)
0.45µm	4.7gpm/psid (25.8lpm/100mbar)
1.00µm	6.7gpm/psid (36.9lpm/100mbar)

*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

CODE	DESCRIPTION
2	226/Flat
3	222/Flat
7	226/Fin
8	222/Fin

Nominal Length

CODE	LENGTH
04	4" (102mm)
10	10" (250mm)
20	20" (500mm)
30	30" (750mm)
40	40" (1000mm)

Filter Rating

CODE	MICRON
925	0.05µm
001	0.1µm
002	0.2µm
004	0.45µm
010	1µm
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

Options

CODE	TREATMENT
Blank	UPW Flush and Dry
F	Ozone UPW Flush and Dry
W	Wet Packed
U	Ultraclean (pre-wet)

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