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



ENGINEERING YOUR SUCCESS.

Fluoroflow® Filter Cartridge

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% 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

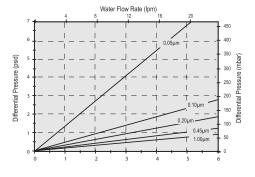
TOC/Resistivity Rinse-up (wet-packed)

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

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

Performance Attributes

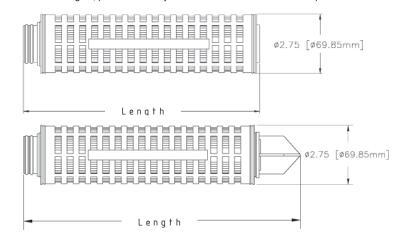
| Water flow rates, Typical* | | | | | | | | | | |
|----------------------------|----------|-------------|--|--|--|--|--|--|--|--|
| Micron | gpm/psid | lpm/100mbar | | | | | | | | |
| 0.05 | 0.9 | 4.9 | | | | | | | | |
| 0.1 | 2.3 | 13 | | | | | | | | |
| 0.2 | 3.2 | 18 | | | | | | | | |
| 0.45 | 4.7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



*Per 10" (250mm) cartridge equivalent.

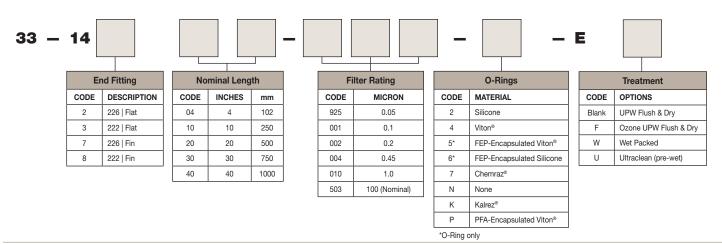
| 33-14 Standard Pleat Nominal Lengths | | | | | | | | | | | | |
|--------------------------------------|-----|-----|------|-----|------|-----|------|-----|------|-----|--|--|
| Code | 4 | | 10 | | 20 | | 30 | | 40 | | | |
| | in. | mm | in. | mm | in. | mm | in. | mm | in. | mm | | |
| 3 | 5.6 | 142 | 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.



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. C

