Proflow[™] II-E

Chemically-resistant cartridge for ultrapure microelectronics fluids and gases

The Proflow[™]II-E filter cartridge uses a PTFE membrane along with highpurity polypropylene supports that provide an economical alternative to all-fluoropolymer cartridges. It provides a high degree of retention and cleanliness along with good flow and lifetime. This filter is ideally suited for ultrapure microelectronics fluids and gases. The hydrophobic PTFE membrane serves as a highly efficient barrier to insure low moisture content of gases. It is available dry or wet-packed for quick installation and lower extractables.



Contact Information

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Benefits

- · Good liquid and gas flow rates
- Wet-pack option for quick installation
- PTFE/ PP construction for chemical resistance
- Wide variety of configurations and ratings
- 100% integrity tested in cleanroom environment

Applications

- Bulk chemical delivery
 Acids, bases, solvents,
- photochemicals
 Wet etch and clean

 Dilute acids
- DI water (<80°C)
- Ultrapure electronics-grade gases

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Proflow[™] II-E

SPECIFICATIONS

 Materials of Construction

 Membrane:
 PTFE

 Support layers:
 Polypropylene

 Structure:
 Polypropylene

 All components are thermally bonded to ensure integrity and reduce extractables.

Effective Filtration Area

4.6ft² (0.43 m²) 5["] (130mm) cartridges 9.3ft² (0.86 m²) 10["] (250mm) cartridges

Maximum Differential Pressure/Temperature

Forward: 80psid (5.5bar) @ 75°F (24°C) 40psid (2.8bar) @ 180°F (82°C)

Reverse: 50psid (3.4bar) @ 75°F (24°C)

Cleanliness (particle shedding)

<u>Wet-packed:</u> <1 particles/ml >0.2µm after 6gal @ 1gpm Data as from open bag and installed, no additional installation flushing.

TOC/Resistivity Rinse-up (wet-packed)

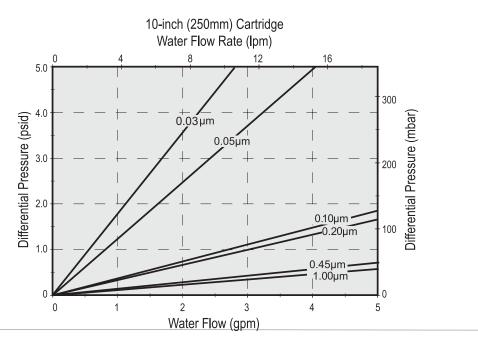
TOC rinse-up to background plus 5ppb of feed after 70gal @ 1gpm.

Resistivity rinse-up to background minus 0.2megohm-cm of feed after 30gal @ 1gpm.

Performance Attributes

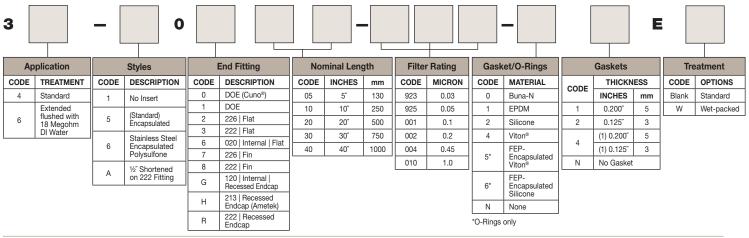
Water flow rates, Typical*		
Micron	gpm/psid	lpm/100mbar
0.03	0.6	3.31
0.05	0.8	4.39
0.1	1.7	9.33
0.2	3.2	18
0.45	7.6	42
1.0	9.1	50

* Per 10-inch (250mm) cartridge equivalent.



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 Proflow is a registered trademark of Parker-Hannifin Corporation.

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DS_ME_Proflow II-E Rev. A

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