Proflow[™] II-E Select

High-performance cartridge for ultrapure microelectronics fluids and gases

The Proflow[™]II-E-SELECT filter cartridge provides exceptional flow rates and on-stream life. It uses a PTFE membrane along with highpurity polypropylene supports that provide an economical alternative to all fluoropolymer cartridges. With its unique SELECT pleating technology, the liquid flow rates are increased by up to 50% verses our standard Proflow[®]II-E. This filter is ideally suited for ultrapure microelectronics fluids and gases. It is available dry or wet-packed for quick installation and lower extractables.



Contact Information

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www.parker.com/processfiltration



Benefits

- Excellent liquid and gas flow rates
- Wet-pack option for quick installation
- PTFE/ PP construction for chemical resistance
- 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 Select

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

12.4ft² (1.15m²) per 10" (250mm) cartridge

Maximum Differential

Flessule/lemperature		
Forward:	70psid (4.8bar) @ 68°F (20°C)	
	40psid (2.8bar) @ 180°F (82°C)	

<u>Reverse:</u> 40psid (2.8bar) @ 68°F (20°C)

Cleanliness (particle shedding)

 Wet-packed:
 <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)

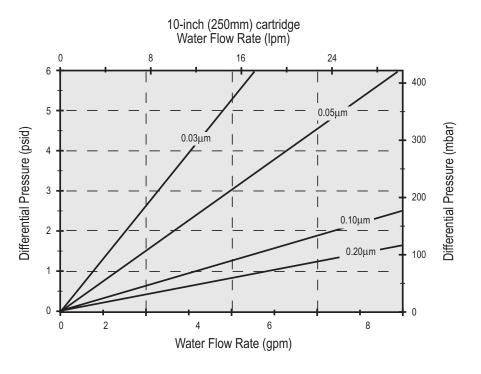
TOC rinse-up to background plus 5ppb of feed after 70gal @ 1gpm.

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

Performance Attributes

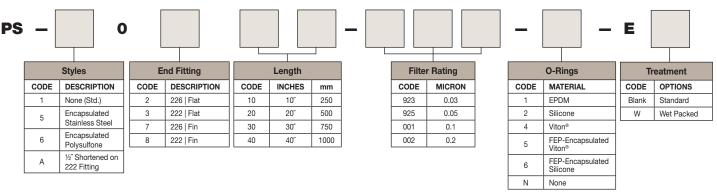
Water flow rates, Typical*			
Micron	gpm/psid	lpm/100mbar	
0.03	0.8	4.4	
0.05	1.3	7.1	
0.1	2.6	14	
0.2	3.5	19	

* 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.

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DS_ME_Proflow II-E SELECT Rev. A

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