

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 high-purity 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% versus 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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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

Pressure/Temperature

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

Reverse: 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.

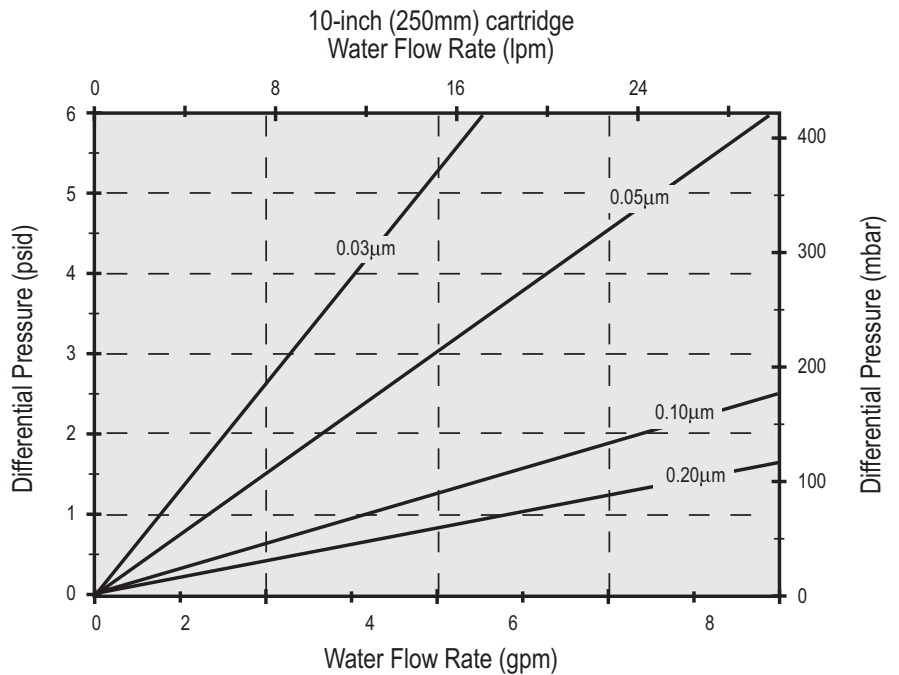
Resistivity rinse-up to background minus 0.2megohm-cm of feed after 30gal @ 1gpm.

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.

PS	—		0					—				—		—	E	
	Styles			End Fitting		Length			Filter Rating		O-Rings		Treatment			
	CODE	DESCRIPTION		CODE	DESCRIPTION	CODE	INCHES	mm	CODE	MICRON	CODE	MATERIAL	CODE	OPTIONS		
	1	None (Std.)		2	226 Flat	10	10"	250	923	0.03	1	EPDM	Blank	Standard		
	5	Encapsulated Stainless Steel		3	222 Flat	20	20"	500	925	0.05	2	Silicone	W	Wet Packed		
6	Encapsulated Polysulfone	7	226 Fin	30	30"	750	001	0.1	4	Viton®						
A	½" Shortened on 222 Fitting	8	222 Fin	40	40"	1000	002	0.2	5	FEP-Encapsulated Viton®						
									6	FEP-Encapsulated Silicone						
									N	None						

Specifications are subject to change without notification.
For User Responsibility Statement, see www.parker.com/safety
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