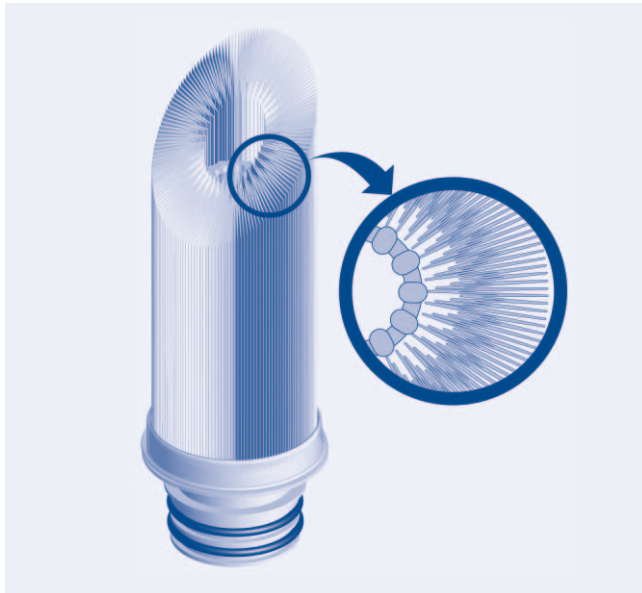


PROFLOW™ II-E-SELECT

PTFE Membrane Filter With Extended Surface Area For Superior Flow Rates



Proflow II-E-SELECT is a highly chemically-resistant cartridge owing to its use of PTFE membrane and polypropylene supports. The PTFE membrane is extremely effective for clarifying and polishing solvents and chemicals used in microelectronics applications—doing so without contributing extractables.

Due to its innovative SELECT-Pleating, performance is increased markedly over similar competitive cartridges. Only one of every four pleats extends to the core, a feat that places most of the filtration area nearer to the outer diameter. This prevents crowding of the media around the core, which in standard-pleated cartridges tends to restrict the exiting flow. This innovative design results in higher flow rates, lower differential pressures, and longer life.

Proflow II-E-SELECT are manufactured in a certified cleanroom where they are flushed with non-pyrogenic deionized water and 100% integrity tested as well as serialized to provide complete product traceability.

BENEFITS

- High flow rate reduces processing time
- Low extractables shorten start-up time
- Excellent chemical compatibility for use in most applications
- Longer life reduces the cost of filtration

APPLICATIONS

- Chemical Etch Baths
- Photoresists
- Developers
- BCDS Chemicals
- Recirculating Chemical Baths (Non-HF/BOE)
- Solvents
- Magnetic Media Solutions

SPECIFICATIONS

LIQUID FLOW RATES*

0.05 µm	1.3 gpm/psid (7.14 lpm/100 mbar)
0.1 µm	2.6 gpm/psid (14.27 lpm/100 mbar)
0.2 µm	3.5 gpm/psid (19.22 lpm/100 mbar)

*Per 10-inch (250 mm) cartridge equivalent, and for fluids with viscosity of 1 cP.

MATERIALS OF CONSTRUCTION

Membrane:	PTFE
Support Layers:	Polypropylene
Structure:	Polypropylene

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

MAXIMUM DIFFERENTIAL PRESSURE

Forward:	80 psid (5.5 bar) @ 20°C (68°F)
	40 psid (2.8 bar) @ 82°C (180°F)

Reverse:	40 psid (2.8 bar) @ 20°C (68°F)
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CHEMICAL COMPATIBILITY

Proflow II -E -SELECT cartridges are compatible with most electronic grade solvents and fluids. Consult the chemical compatibility guide at www.pti-afi.com for specific information.

INTEGRITY TEST VALUES

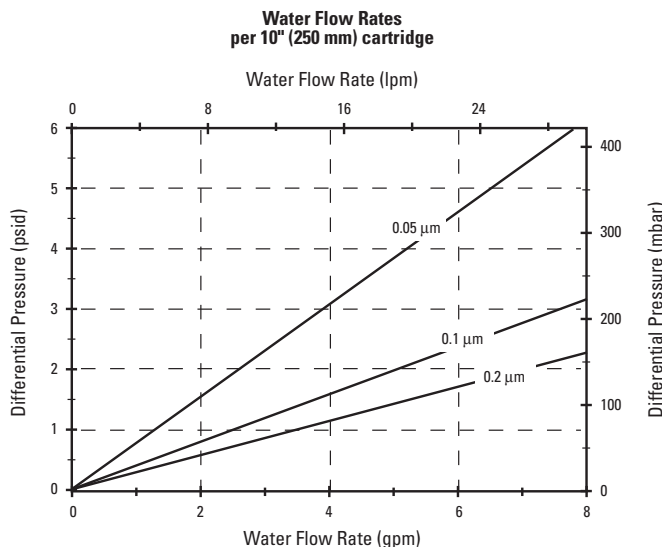
BUBBLE POINT*		
	psig	bar
0.05	≥40	2.8
0.1	≥21	1.5
0.2	≥13	0.9

*Integrity test values are for cartridges wet with a 60%/40% solution of IPA/DI water.

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PTFE Membrane Filter With Extended Surface Area For Superior Flow Rates

PERFORMANCE ATTRIBUTES



ORDERING INFORMATION

Each cartridge is identified with a product number, pore size, and lot number for traceability.

PS — 0 — — — E

Insert Style	
CODE	DESCRIPTION
1	None (Std)
5	Encapsulated Stainless Steel
6	Encapsulated Polysulfone
A	1/2" Shortened Filter

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

Length	
CODE	LENGTH
10	10' (250 mm)
20	20' (500 mm)
30	30' (750 mm)
40	40' (1000 mm)

Filter Rating	
CODE	MICRON
925	0.05 μm
001	0.1 μm
002	0.2 μm

O-Rings	
CODE	MATERIAL
1	EPDM
2	Silicone
4	Viton®
5	FEP-Encapsulated Viton
6	FEP-Encapsulated Silicone
N	None

Options	
CODE	TREATMENT
Blank	Standard
W	Wet Packed

TECHNICAL SUPPORT and PRODUCT ORDERING

PTI Advanced Filtration provides unsurpassed product consistency and cost-efficiency for our customers. 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.pti-afi.com or through your nearest PTI Advanced Filtration office.

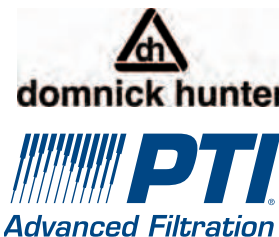
PTI Advanced Filtration designs and manufactures an extensive line of innovative solutions for specific applications in Biopharmaceutical, Microelectronics, Food & Beverage, Industrial and Chemical industries.

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