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# PROFLOW™ II GENERAL GRADE

Hydrophobic PTFE membrane for general purpose gas and solvent purification



Proflow™ II General grade cartridges provide an economic alternative for general applications where reliable gas and liquid flow-rates are required. With 5.6 square feet of expanded PTFE membrane, Proflow II-G is a highly efficient hydrophobic barrier, for the production of dry gas, and will effectively purify aggressive liquids and organic solvents.

Proflow™ II-G cartridges are manufactured under cleanroom conditions and integrity tested before shipment to assure consistent performance and quality.

## BENEFITS

- Reliable air and liquid flow-rates for effective performance
- Broad chemical compatibility allows use in most applications
- Broad range of micron ratings for user convenience
- Superior hydrophobicity for long life in vent/air applications
- Integrity tested to ensure quality

## APPLICATIONS

- Photoresists
- Compressed gas
- Non-sterile venting
- Electronic grade solvents
- Hot deionized water

## SPECIFICATIONS

### Materials of construction

Membrane	PTFE
Support layers	Polypropylene
Structure	Polypropylene

### Effective filtration area

5.6ft<sup>2</sup> (0.52m<sup>2</sup>) per 10" (250mm) cartridge

### 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)

Wet-packed <1 particles/ml >0.2µm after 6gal at 1gal/min

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 @ 1gal/min.

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

### Integrity test values

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

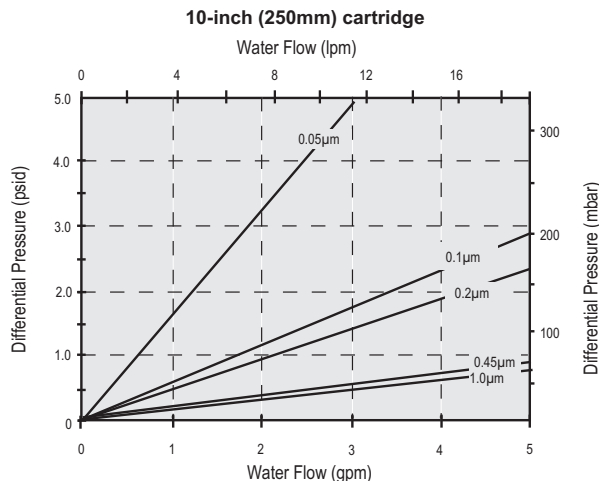
\*Integrity test values are for filters wetted with DI water.

\*Tested in a 60/40 IPA/DI water.

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## PERFORMANCE ATTRIBUTES



\*Contact **domnick hunter Advanced Filtration** for air flow-rates.

## ORDERING INFORMATION

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

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Application		Insert Style		End Fitting		Filter Rating		Gasket/O-Rings		Gaskets	
CODE	TREATMENT	CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	MICRON	CODE	MATERIAL	CODE	THICKNESS
4	Standard	1	No Insert	0	DOE (Cuno®)	925	0.05µm	0	Buna N	1	0.200" (5mm)
6	Flushed with 18 Megohm DI Water	5	(Standard) Encapsulated	1	DOE	001	0.1µm	1	EPDM	2	0.125" (3mm)
		6	Stainless Steel Encapsulated	2	226/Flat	002	0.2µm	2	Silicone	4	(1) 0.200" (5mm) & (1) 0.125" (3mm)
		A	1/2" Shortened on 222 Fitting	3	222/Flat	004	0.45µm	4	Viton®	N	No Gasket
				6	020/Internal/Flat	010	1.0µm	5*	FEP-Encapsulated		
				7	226/Fin			6*	FEP-Encapsulated		
				8	222/Fin®			N	Silicone		
				G	120/Internal/Recessed Endcap				None		
				H	213/Recessed Endcap (Ametek)						
				R	222/Recessed Endcap						

\*O-Rings only

## TECHNICAL SUPPORT AND PRODUCT ORDERING

**domnick hunter Advanced Filtration** provides our customers with unsurpassed product consistency and cost-efficiency. 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.domnickhunter-af.com](http://www.domnickhunter-af.com) or through your nearest **domnick hunter Advanced Filtration** office.

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

## DISTRIBUTED BY

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