

Proflow™ II-G

Hydrophobic PTFE membrane for general purpose gas and solvent purification

Proflow™ II-G 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.



Contact Information

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Benefits

- Reliable air and liquid flow rates for effective performance
- Broad chemical compatibility enables use in many 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 (less than 80°C)



ENGINEERING YOUR SUCCESS.

Proflow™ II-G

SPECIFICATIONS

Materials of Construction

Membrane: PTFE
 Support layers: Polypropylene
 Structure: Polypropylene

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

Effective Filtration Area

5.6ft² (0.52 m²) 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 1gpm

Data as from open bag and installed, no additional installation flushing.

TOC/Resistivity Rinse-up (wet-packed)

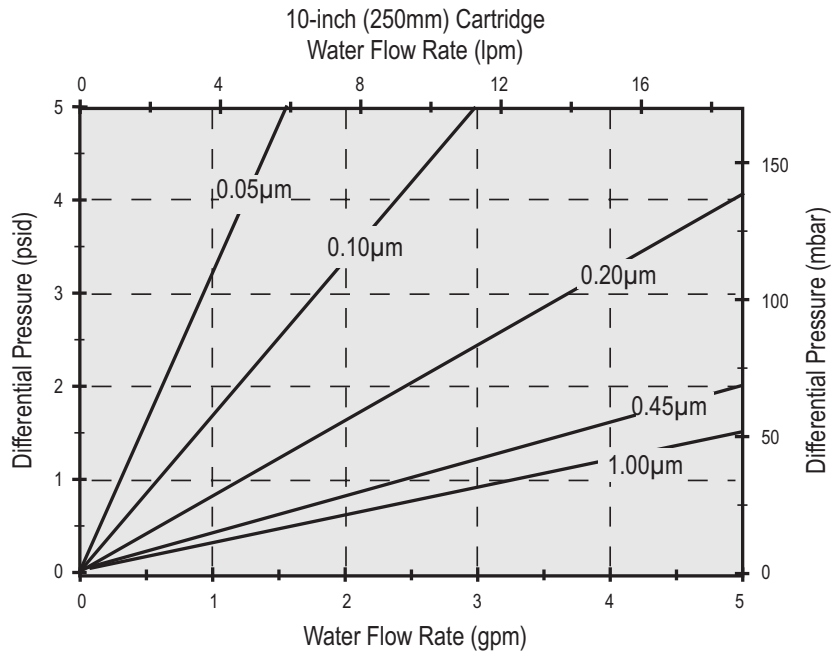
TOC rinse-up to background plus 5ppb of feed after 70gal @ 1gpm.

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
0.05	0.6	3.29
0.1	1.2	6.59
0.2	2.5	14
0.45	5.1	28
1.0	6.2	34

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



Ordering Information

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

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Treatment		Styles		End Fitting		Nominal Length			Filter Rating		Gasket/O-Rings		Gaskets Only		
CODE	OPTIONS	CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	INCHES	mm	CODE	MICRON	CODE	MATERIAL	CODE	THICKNESS	
														INCHES	mm
4	Standard	1	No Insert (Std.)	0	DOE (Cuno®)	10	10"	250	925	0.05	0	Buna-N	1	0.200"	5
6	Flushed with 18 Megohm DI Water	5	Encapsulated Stainless Steel	1	DOE	20	20"	500	001	0.1	1	EPDM	2	0.125"	3
		6	Encapsulated Polysulfone	2	226 Flat	30	30"	750	002	0.2	2	Silicone	4	Viton®	
		A	½" Shortened on 222 Fitting	3	222 Flat	40	40"	1000	004	0.45	5*	FEP Encapsulated Viton®	4	(1) 0.200"	5
				6	020 Internal Flat				010	1.0	6*	FEP Encapsulated Silicone		(1) 0.125"	3
				7	226 Fin						N	None	N	No Gasket	
				8	222 Fin										
				G	120 Internal Recessed End cap										
				H	213 Recessed End cap (Ametek)										
				R	222/Recessed End cap										

*O-Rings only

Specifications are subject to change without notification.
 For User Responsibility Statement, see www.parker.com/safety
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for all your filter requirements