

# 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

5.6ft<sup>2</sup> (0.52 m<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 1gpm

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

### TOC/Resistivity Rinse-up (wet-packed)

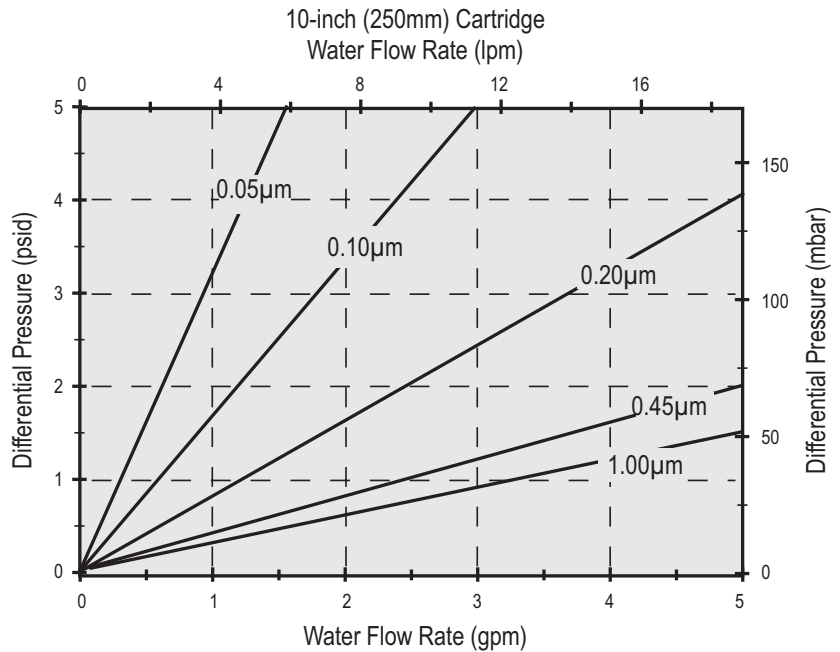
TOC rinse-up to background plus 5ppb of feed after 70gal @ 1gpm.

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®	(1) 0.200"
		A	½" Shortened on 222 Fitting	3	222   Flat	40	40"	1000	004	0.45	5*	FEP Encapsulated Viton®	4	(1) 0.125"	3
				6	020   Internal   Flat				010	1.0	6*	FEP Encapsulated Silicone	N	No Gasket	
				7	226   Fin						N	None			
				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](http://www.parker.com/safety)  
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