

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.



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)

Parker Hannifin Corporation 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.parker.com or through your nearest **Parker Hannifin Corporation** office.

Parker Hannifin Corporation designs and manufactures an extensive line of innovative solutions for specific applications in the Microelectronics, Biopharmaceutical, Food and Beverage, Industrial and Chemical industries.



ENGINEERING **YOUR** SUCCESS.

Proflow™ II-G

Specifications

Materials of Construction

Membrane	:	PTFE
Support layers	:	Polypropylene
Structure	:	Polypropylene

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)

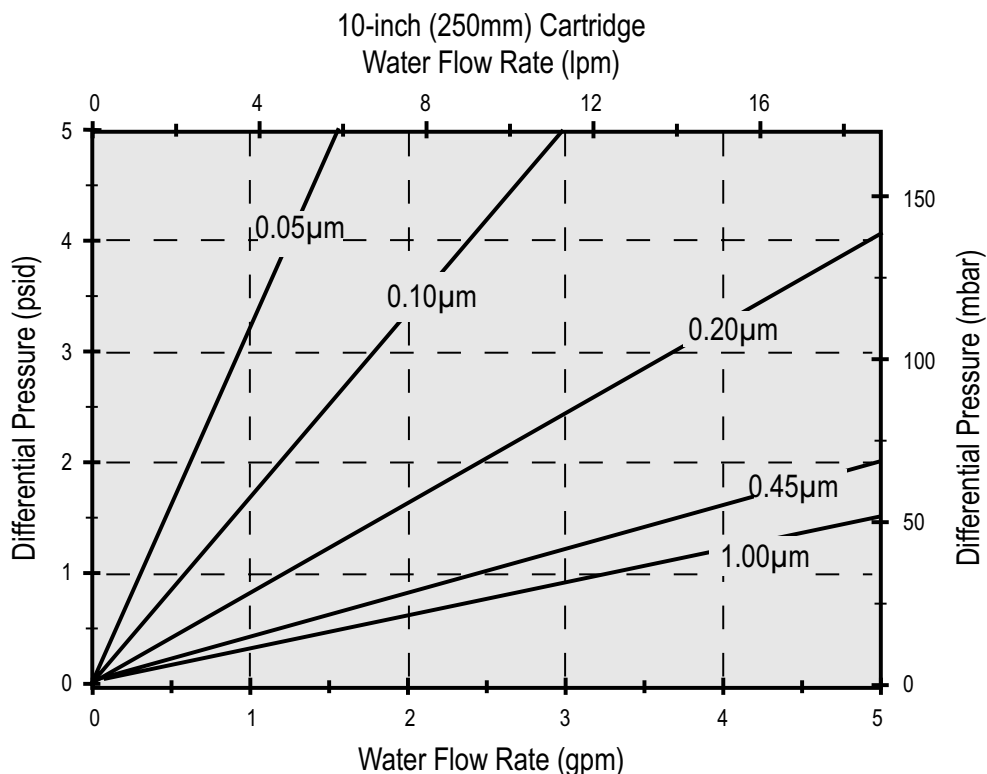
TOC rinse-up to background plus 5ppb of
feed after 70gal @ 1gpm. Resistivity
rinse-up to background minus
0.2megohm-cm of feed after 30gal @
1gpm.

Performance Attributes

Water Flow rates, Typical *

0.05µm	0.6gpm/psid (3.29lpm/100mbar)
0.10µm	1.2gpm/psid (6.59lpm/100mbar)
0.20µm	2.5gpm/psid (13.73lpm/100mbar)
0.45µm	5.1gpm/psid (28.00lpm/100mbar)
1.00µm	6.2gpm/psid (34.04lpm/100mbar)

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



Ordering Information

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

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Application	
CODE	TREATMENT
4	Standard
6	Flushed with 18 Megohm DI Water

Insert Style	
CODE	DESCRIPTION
1	No Insert
5	(Standard)
	Encapsulated
6	Stainless Steel
	Encapsulated
	Polysulfone
A	1/2" Shortened on 222 Fitting

End Fitting	
CODE	DESCRIPTION
0	DOE (Cuno®)
1	DOE
2	226/Flat
3	222/Flat
6	020/Internal/Flat
7	226/Fin
8	222/Fin®
G	120/Internal/Recessed End cap
H	213/Recessed Endcap (Ametek)
R	222/Recessed End cap

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

Filter Rating	
CODE	MICRON
925	0.05µm
001	0.10µm
002	0.20µm
004	0.45µm
010	1.00µm

Gasket/O-Rings	
CODE	MATERIAL
0	Buna N
1	EPDM
2	Silicone
4	Viton®
5*	FEP-Encapsulated Viton
6*	FEP-Encapsulated Silicone
N	None

*O-Rings only

Gaskets	
CODE	THICKNESS
1	0.200" (5mm)
2	0.125" (3mm)
4	(1) 0.200" (5mm) & (1) 0.125" (3mm)
N	No Gasket

Specifications are subject to change without notification.
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