

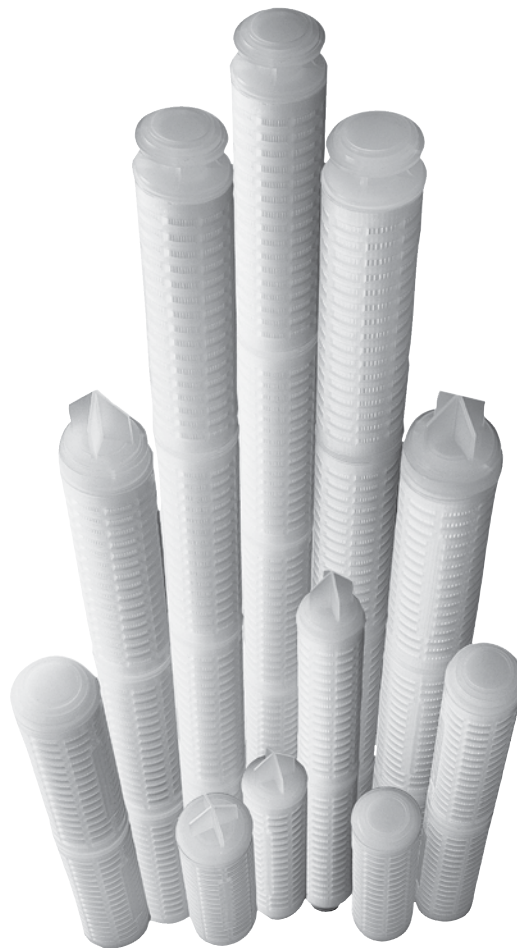
## Proflow™ II General Grade Cartridges

### 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.

The Proflow™ II-G Cartridges are available in 0.05, 0.1, 0.2, 0.45, and 1.0µm pore sizes.



### 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
- Biosafe in accordance with USP Class VI 121°C Plastics Test

### Applications

- Photoresists
- Compressed gas
- Venting
- Electronic grade solvents
- Hot deionized water (less than 80°C)



# Proflow™ II General Grade

## 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 6 gal at 1gpm

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

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

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

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

## Performance Attributes

### Water in Flow rates, Typical \*

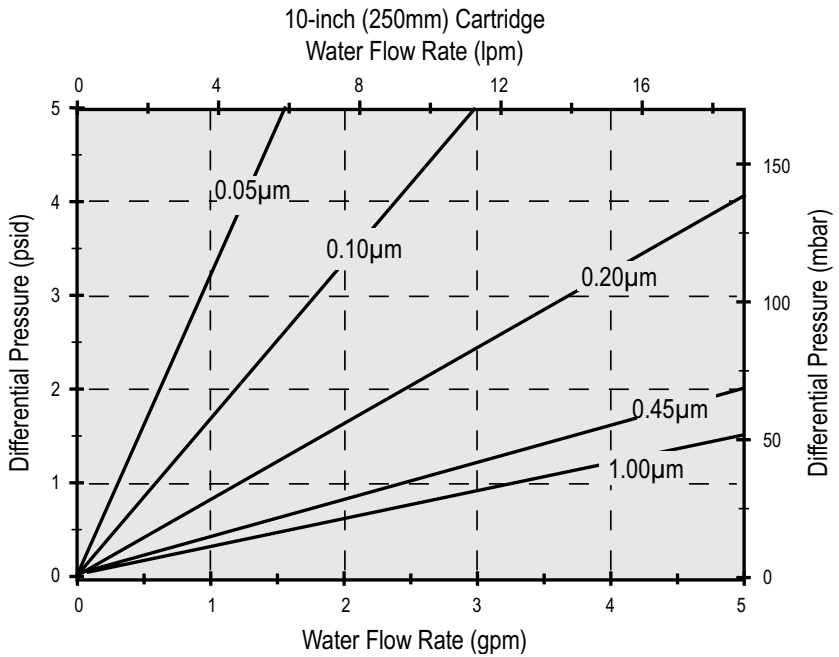
0.05µm	0.6gpm/psid (3.29lpm/100mbar)
0.10µm	1.2gpm/psid (6.59lpm/100mbar)
0.20µm	2.5gpm/psid (13.73lpm/100mbar)
0.45µm	5.1gpm/psid (28.00lpm/100mbar)
1.00µm	6.2gpm/psid (34.04lpm/100mbar)

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

### Integrity test values

Filter Rating	Bubble Point*	
	µm	Bubble Point*
0.05	≥40	2.8
0.10	≥21	1.5
0.20	≥13	0.9

\* In 60/40 IPA/water @ 25°C



## Ordering Information

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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

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

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.  
\*Viton is a registered trademark of E.I. DuPont de Nemours & Co., Inc.  
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