

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)

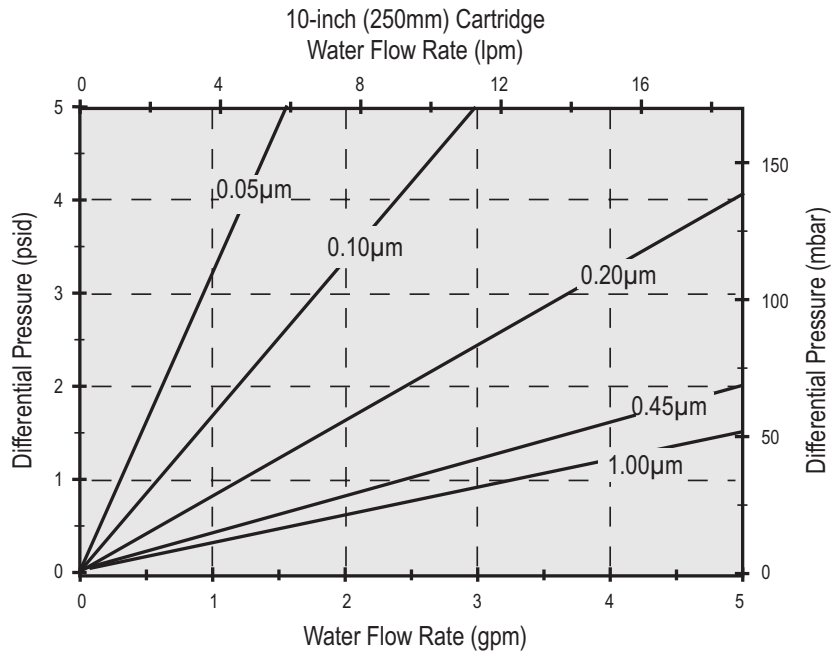
TOC rinse-up to background plus 5ppb of feed after 70gal @ 1gpm.

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
 Proflow II is a registered trademark of Parker-Hannifin Corporation.
 Vilton is a registered trademark of E.I. DuPont de Nemours & Co., Inc.
 Cuno is a registered trademark of 3M Company.
 Ametek is a registered trademark of Ametek, Inc.

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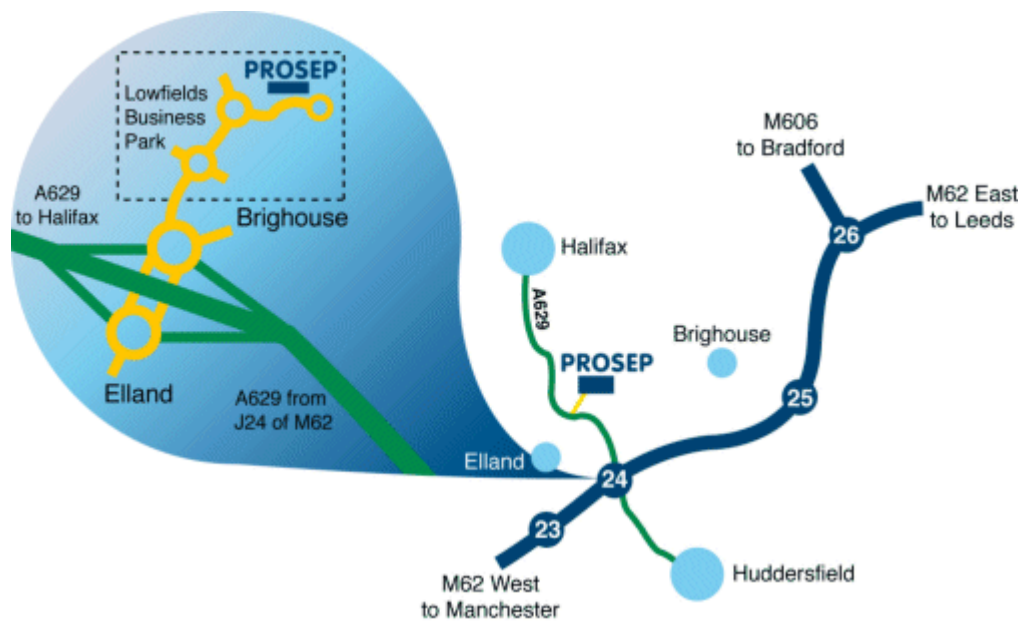
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Map and Directions to Prosep Filters Limited



Leave M62 at Junction 24.

At roundabout adjacent to Cedar Court Hotel take 2nd exit onto dual carriageway (A629), signposted Halifax.

Take 1st exit slip road.

At roundabout at end of sliproad, take 3rd exit off.

This is the entrance to Lowfields Business Park.

Proceed straight over 1st roundabout.

At next roundabout take 2nd exit onto River Bank Way - Prosep Filters can be found on the left after the S-bend.

[Link to Google Maps](#)