

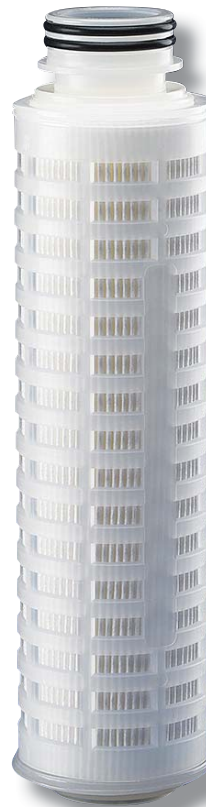
Clariflow®-E

Hydrophilic PES membrane cartridges for aqueous applications

Clariflow®-E cartridges are optimized for use in microelectronics applications such as DI water and aqueous-based chemicals. The unique mirrored-anisotropic PES (Polyethersulfone) membrane has exceptionally high flow rates and on-stream lifetime while providing consistent removal of both organic and inorganic particulates.

The combination of hydrophilic PES membrane and a high-purity, all-polypropylene support structure results in a very low level of ionic and organic extractables, broad chemical compatibility, and resistance to particle shedding.

Every cartridge is fabricated in a clean room environment, pre-flushed with 18 megohm-cm ultrapure DI water, and 100% integrity tested in an ISO-certified facility.



Contact Information

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Benefits

- High-retention hydrophilic membrane
- High flow rate
- Broad chemical compatibility for multiple applications
- Long on-stream life
- 100% integrity tested

Applications

- BOE
- Dilute HF
- POU DI rinse
- Bulk DI water systems
- Copper plating
- Ni plating
- Hard disk wash processes
- Other dilute acids and bases



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Clariflow®-E

SPECIFICATIONS

Materials of Construction

Membrane: Polyethersulfone
 Support layers: Polypropylene
 Structure: Polypropylene

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

Effective Filtration Area

6.8ft²(0.63m²) per 10" (250mm) cartridges

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)

Dry-packed: <1 particles/ml >0.2µm after 6gal @ 1gpm

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

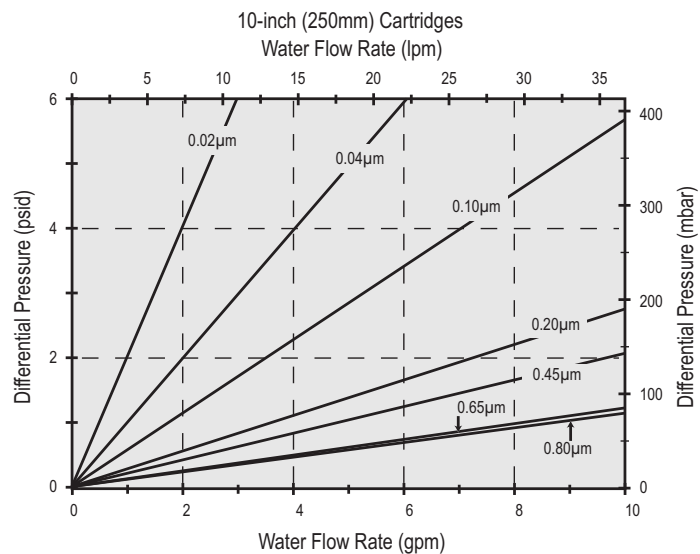
Resistivity Rinse-up

Resistivity rinse-up to background minus 0.2megohm-cm of feed after 20gal @ 1gpm.

Performance Attributes

Water flow rates, Typical*		
Micron	gpm/psid	lpm/100mbar
0.02	0.5	2.75
0.04	1.0	5.49
0.1	1.8	9.88
0.2	3.7	20
0.45	4.8	26
0.65	8.9	49
0.8	9.5	52

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



Ordering Information

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



Styles		End Fitting		Nominal Length			Filter Rating		Gasket/O-Rings		Gaskets		
CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	INCHES	mm	CODE	MICRON	CODE	MATERIAL	CODE	THICKNESS	
												INCHES	mm
1	None (Std.)	0	DOE (CUNO®)	05 ²	5"	130	922	0.02	0	Buna-N	1	0.200"	5
5	Encapsulated 316L Stainless Steel	1	DOE	10	10"	250	924	0.04	1	EPDM	2	0.125"	3
		2 ¹	226 Flat	20	20"	500	001	0.1	2	Silicone	4	(1) 0.200"	5
		3 ¹	222 Flat	30	30"	750	002	0.2	4	Viton®		(1) 0.125"	3
6	Encapsulated Polysulfone	6	020 Internal Flat	40	40"	1000	004	0.45	5 ³	FEP Encapsulated Viton®	N	No Gasket	
		7 ¹	226 Fin				006	0.65			6 ³	FEP Encapsulated Silicone	
		8 ¹	222 Fin				008	0.8			N	None	
A	½" Shortened on 222 Fitting	G	120 Internal Recessed Endcap										
		H	213 Recessed Endcap (Ametek®)										
		R	222 Recessed Endcap										

¹ 5" cartridges are available in these configurations.
² 5" cartridges are available in 0.04 through 0.8 µm ratings.
³ O-rings only.

Specifications are subject to change without notification.
 For User Responsibility Statement, see www.parker.com/safety
 Clariflow is a registered trademark of Parker-Hannifin Corporation.
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 Cuno is a registered trademark of Cuno Inc.
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DS_ME_Clariflow-E Rev. A



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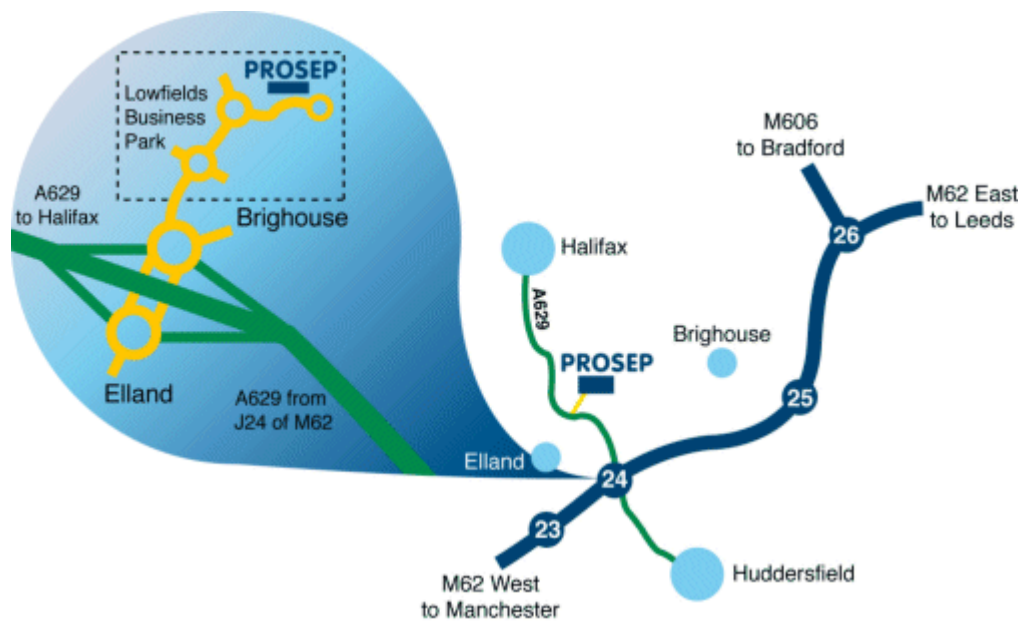
Tel: 01422 377367

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www.prosep.co.uk

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](#)