

CLARIFLOW®-WE FILTER CARTRIDGE

Economical hydrophilic PES membrane cartridges for aqueous applications

Clariflow® -WE filter cartridges provide an economical way to filter fluids used in microelectronics such as DI water, and dilute aqueous-based chemicals. Constructed of the same high-quality materials as Clariflow®-E or E-SELECT, these cartridges are suited for less demanding applications with respect to flow and lifetime.

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.

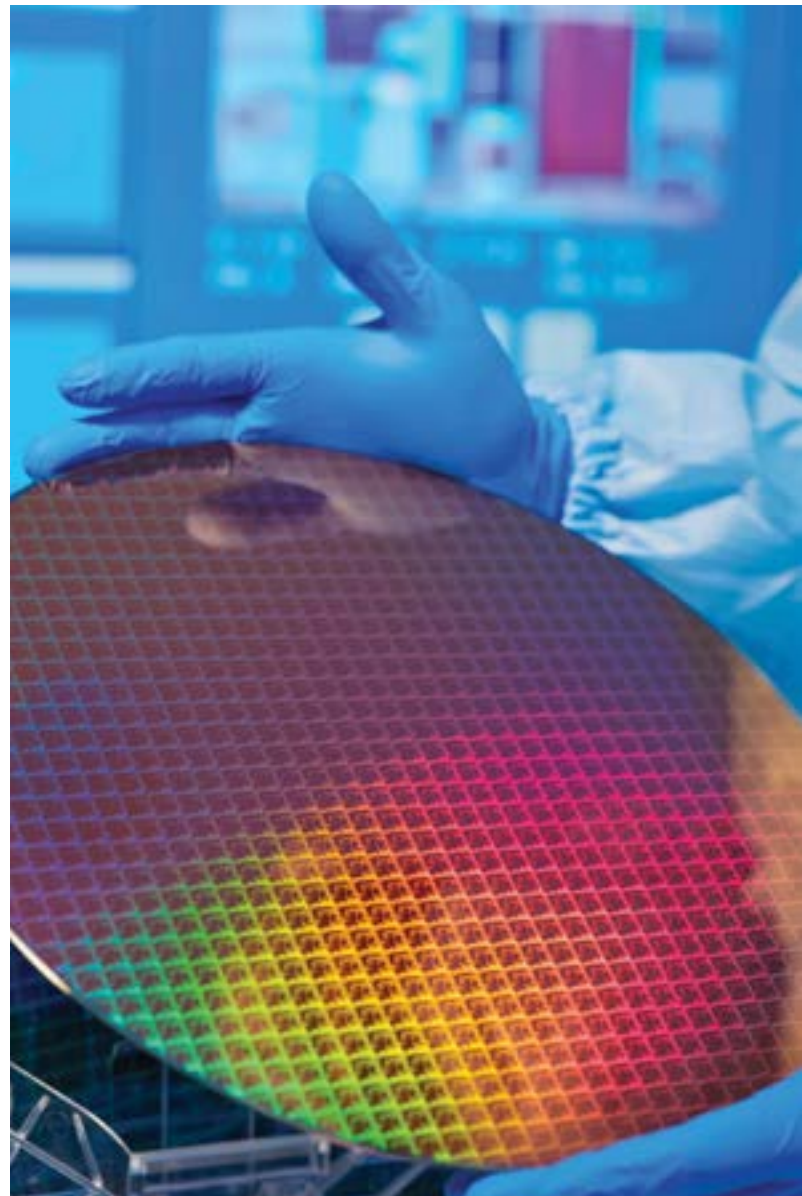
Every cartridge is fabricated in a clean room environment, pre-flushed with 18 megohm-cm ultrapure DI water, and 100% integrity tested in an ISO-certified facility.

Benefits

- Economical filtration
- High-retention hydrophilic membrane (no pre-wetting)
- Broad chemical compatibility for multiple applications
- 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



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

5.4ft² (0.50m²) 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)

Bulk Packaging

Bulk packaged in case quantities to reduce material disposal

10" 28 per carton

20" 12 per carton

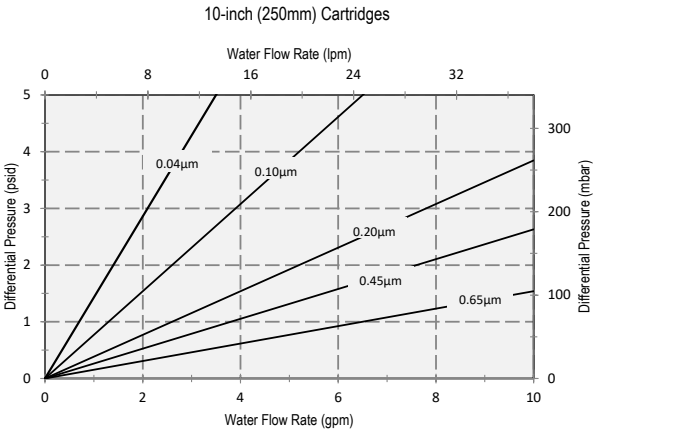
30" 12 per carton

40" 9 per carton

Performance Attributes

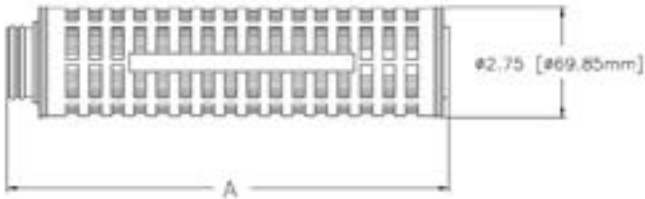
Water flow rates, Typical*		
Micron	gpm/psid	lpm/100mbar
0.04	0.7	3.84
0.1	1.3	7.14
0.2	2.6	14
0.45	3.8	21
0.65	6.5	36

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



Code 3 Lengths

Code	10		20		30		40	
	in.	mm	in.	mm	in.	mm	in.	mm
1	11.13	282.7	20.92	531.4	30.76	781.3	40.58	1030.7
A	10.65	270.5	20.44	519.2	30.28	769.1	40.1	1018.5



Code 8 Lengths

Code	10		20		30		40	
	in.	mm	in.	mm	in.	mm	in.	mm
1	12.87	326.9	22.70	576.6	32.54	826.5	42.36	1075.9

Note: For other code lengths, please consult your local Parker representative.



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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	IN.	MM	CODE	MICRON	CODE	MATERIAL	CODE	THICKNESS	
												IN.	MM
1	No Insert (Std.)	0	DOE (CUNO®)	10	10	250	924	0.04	0	Buna-N			
5	Encapsulated 316 SS Insert	1	DOE	20	20	500	001	0.1	1	EPDM	1	0.200	5
		2	226 Flat	30	30	750	002	0.2	2	Silicone	2	0.125	3
6	Encapsulated Polysulfone Insert	3	222 Flat	40	40	1000	004	0.45	4	Viton®	4	(1) 0.200	5
		6	020 Internal Flat				006	0.65	5*	Encapsulated Viton®		(1) 0.125	3
A	½" Shortened on 222 Fitting	7	226 Fin						6*	Encapsulated Silicone	N	No Gasket	
		8	222 Fin						N	None			
									*O-Rings only				
		G	120 Internal Recessed										
		H	Endcap 213 Recessed										
		R	Endcap (Ametek®) 222/Recessed End cap										

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WARNING: This product can expose you to chemicals including 1,3-Butadiene which are known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov