

## Clariflow®-WE

### Economical hydrophilic PES membrane cartridges for aqueous applications

Clariflow®-WE cartridges provide an economical way to filter fluids used in microelectronics such as DI water and aqueous-based chemicals. Constructed of the same high-quality materials as Clariflow®-E or E-SELECT, these cartridges are suited to 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
- 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 and bases

**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](http://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.

# Clariflow®-WE

## Specifications

### Materials of Construction

Membrane : Polyethersulfone  
 Support layers : Polypropylene  
 Structure : Polypropylene

### Effective Filtration Area

5.4ft<sup>2</sup>(0.50m<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)

### Bulk Packaging

Bulk packaged in case quantities to reduce material disposal

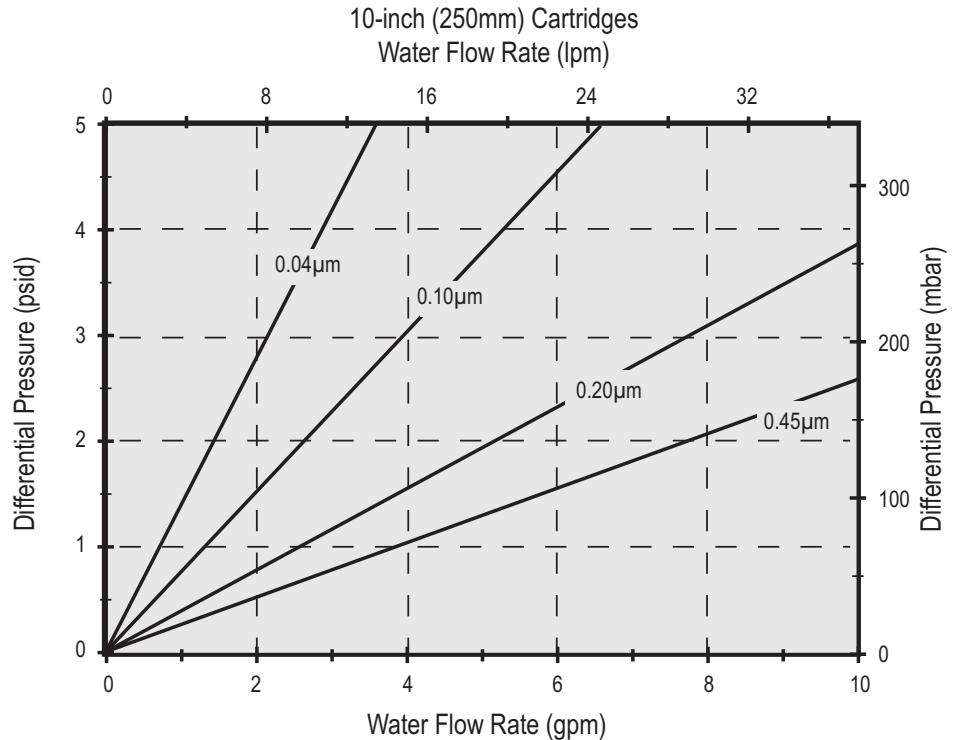
10" 28 per carton  
 20" 12 per carton  
 30" 12 per carton  
 40" 9 per carton

## Performance Attributes

### Water Flow rates, Typical \*

0.04µm 0.7gpm/psid (3.84lpm/100mbar)  
 0.10µm 1.3gpm/psid (7.14lpm/100mbar)  
 0.20µm 2.6gpm/psid (14.27lpm/100mbar)  
 0.45µm 3.8gpm/psid (20.86lpm/100mbar)

\*Per 10" (250mm) cartridge equivalent



## Ordering Information

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

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Insert Style		End Fittings		Nominal Length		Filter Rating		Gasket/O-Rings		Thickness (Gaskets Only)	
CODE	DESCRIPTION	CODE	DESCRIPTION	CODE	LENGTH	CODE	MICRON	CODE	MATERIAL	CODE	THICKNESS
1	No Insert (standard)	0	DOE (CUNO)	10	10" (250mm)	924	0.04µm	0	Buna N	1	0.200" (5mm)
5	Encapsulated 316 SS Insert	1	DOE	20	20" (500mm)	001	0.10µm	1	EPDM	2	0.125" (3mm)
6	Encapsulated Polysulfone Insert	2	226\Flat	30	30" (750mm)	002	0.20µm	2	Silicone	4	(1) 0.200" (5mm) & (1) 0.125" (3mm)
A	1/2" Shortened on 222 Fitting	3	222\Flat	40	40" (1,000mm)	004	0.45µm	4	Viton	N	None
		6	020/Internal/Flat	All cartridges are 2.75" (69 mm) in diameter.		006	0.65µm	5*	Encapsulated Viton		
		7	226\Fin					6*	Encapsulated Silicone		
		8	222\Fin					N	None		
		G	120/Internal/Recessed					*O-rings only			
		H	End cap 213/Recessed								
		R	End cap (Ametek) 222/Recessed End cap								

Specifications are subject to change without notification. Clariflow is a registered trademark of Parker Hannifin Corporation. Viton is a registered trademark of E.I. DuPont de Nemours & Co., Inc. Cuno is a registered trademark of Cuno Inc.

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