

CLARIFLOW® WATER SERVICE GRADE

Hydrophilic polyethersulfone (PES) membrane for cost-effective purification



Clariflow® Water Service Grade cartridges are cost-effective alternatives to Clariflow E and G Grade cartridges for the filtration of a variety of aqueous liquids.

The Water Service cartridge is built around a unique polyethersulfone (PES) membrane that is inherently hydrophilic, and contains no added surfactants or wetting agents. It delivers clean filtrates, flow rates, extended service life and excellent resistance to hydrolysis.

Water Service cartridges are fabricated under cleanroom conditions.

BENEFITS

- Absolute rated membrane
- Reliable and cost-effective
- Broad chemical compatibility allows use in aqueous applications
- Resistance to hydrolysis allows extended use in UPW systems
- High flow rate/low differential pressure reduces system wear and tear

APPLICATIONS

- Deionized water filtration
- Liquid clarification
- Recirculating liquids
- Wine and beer clarification
- Juices
- Bottled water
- Process water

SPECIFICATIONS

Materials of Construction:

Membrane	Polyethersulfone
Support layers	Polypropylene
Structure	Polypropylene

All components meet USP-XXIV Class VI-121°C criteria and are thermally bonded to assure integrity and purity.

Maximum Differential Pressure:

Forward	80 psid (5.5 bar) @ 75°F (24°C)
	40 psid (2.8 bar) @ 180°F (82°C)
Reverse	50 psid (3.4 bar) @ 75°F (24°C)

Effective Filtration Area:

5.4 ft² (0.50 m²) per 10 inch (250 mm) cartridge

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

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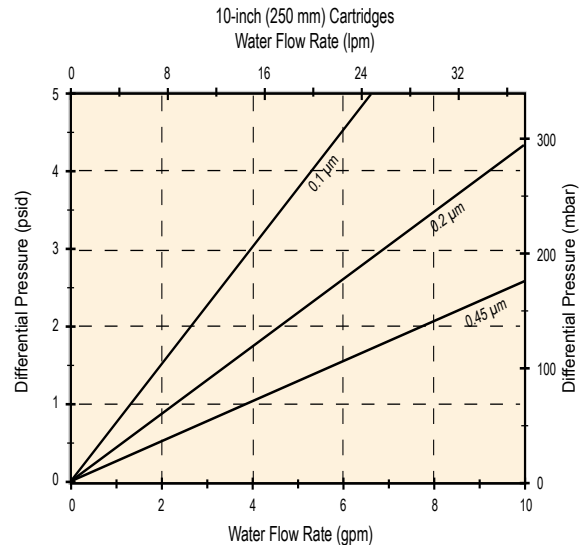
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PERFORMANCE ATTRIBUTES

Water Flow Rates

0.1 µm	1.3 gpm/psid (7.14 lpm/100 mbar)
0.2 µm	2.6 gpm/psid (14.27 lpm/100 mbar)
0.45 µm	3.8 gpm/psid (20.86 lpm/100 mbar)

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



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" (250 mm)	001	0.1 µm	0	Buna N	1	0.200" (5 mm)
5	Encapsulated 316 SS Insert	1	DOE	20	20" (500 mm)	002	0.2 µm	1	EPDM	2	0.125" (3mm)
6	Encapsulated Polysulfone Insert	2	226/Flat	30	30" (750 mm)	004	0.45 µm	2	Silicone	4	(1) 0.200" (5 mm) & (1) 0.125" (3 mm)
A	1/2" Shortened Filter (222 only)	3	222/Flat	40	40" (1,000 mm)			5*	Encapsulated Viton®	N	None
		6	020/Internal/Flat	All cartridges are 2.75" (690 mm) in diameter.				6*	Encapsulated Silicone		
		7	226/Fin					N	None		
		8	222/Fin								
		G	120/Internal/Recessed								
		H	213 internal/recessed endcap								
		R	213 internal/recessed endcap(Ametek®)								
			222/Recessed End cap								

*O-rings only

TECHNICAL SUPPORT AND PRODUCT INFORMATION

Parker provides our customers with unsurpassed product consistency and cost efficiency. Our experienced professionals can help you select the right solution for your application. Orders can be emailed directly to PAFsales@parker.com. For additional information contact your local distributor. Information on product specifications, applications and chemical compatibility can be found on our web site at www.parker.com or through the Oxnard office.

Parker designs and manufactures an extensive line of innovative solutions for specific applications in the Microelectronics, Biopharmaceutical, Food and Beverage, Coatings and Inks, Process and Chemical industries.

DISTRIBUTED BY:



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