

CLARIFLOW® GENERAL GRADE

Hydrophilic polyethersulfone (PES) membrane for aqueous liquid filtration applications



Clariflow® General Grade cartridges are designed for general purpose use in the filtration of high-purity liquids and aqueous chemicals.

The mirrored-anisotropic Polyethersulfone (PES) membrane is inherently hydrophilic and has a pore morphology that delivers exceptionally high flow rates.

Because there are no added surfactants or wetting agents, and the support layers and structure are all-polypropylene, the filter exhibits low extractables, broad chemical compatibility and good resistance to hydrolysis.

BENEFITS

- Absolute Rated Membrane
- High flow rate reduces processing time
- Broad chemical compatibility allows use in most applications
- Low differential pressure reduces system wear and tear

APPLICATIONS

- Beverage clarification
- Ingredients and Process liquids
- Water filtration
- Deionized water systems

SPECIFICATIONS

Materials of Construction:

Membrane	Polyethersulfone
Support layers	Polypropylene
Structure	Polypropylene

Maximum Differential Pressure/Temperature:

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:

6.8 ft² (0.63 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

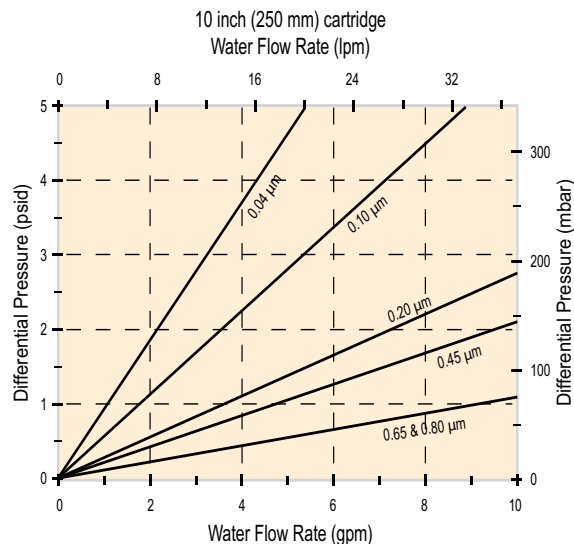
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PERFORMANCE ATTRIBUTES

Water Flow Rates

0.04 µm	1.0 gpm/psid (5.29 lpm/100 mbar)
0.10 µm	1.8 gpm/psid (9.88 lpm/100 mbar)
0.20 µm	3.7 gpm/psid (20.31 lpm/100 mbar)
0.45 µm	4.8 gpm/psid (26.35 lpm/100 mbar)
0.65 µm	9.2 gpm/psid (50.51 lpm/100 mbar)
0.80 µm	9.5 gpm/psid (52.16 lpm/100 mbar)



ORDERING INFORMATION

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

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End Fitting		Nominal Length		Filter Rating		Gasket/O-Rings		Thickness (Gasket Only)	
CODE	DESCRIPTION	CODE	LENGTH (MM)	CODE	MICRON	CODE	MATERIAL	CODE	MATERIAL
0	DOE (CUNO®)	10	10" (250)	924	0.04 µm	0	Buna N	1	0.200" (5 mm)
1	DOE	20	20" (500)	001	0.10 µm	1	EPDM (Standard)	2	0.125" (3 mm)
2	226/Flat	30	30" (750)	002	0.20 µm	2	Silicone	4	(1) 0.200" (5 mm) & (1) 0.125" (3 mm)
3	222/Flat	40	40" (1000)	004	0.45 µm	4	Viton®	N	No Gasket
6	020/Internal/Flat			006	0.65 µm	5*	FEP-Encapsulated Viton®		
7	226/Fin			008	0.80 µm	6*	FEP-Encapsulated Silicone		
8	222/Fin					N	None		

*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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