Clariflow® General Grade Cartridges

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.

The Clariflow General Grade Cartridge is available in 0.04, 0.1, 0.2, 0.45, 0.65 and 0.8µm pore sizes.

Benefits

- High flow rate reduces processing time
- Broad chemical compatibility allows use in most applications
- Low differential pressure reduces system wear and tear
- Biosafe in accordance with USP Class VI 121°C Plastics Test

Applications

- Chemical filtration
- Liquid clarification
- Recirculating fluids
- General use water filtration
- Deionized water systems

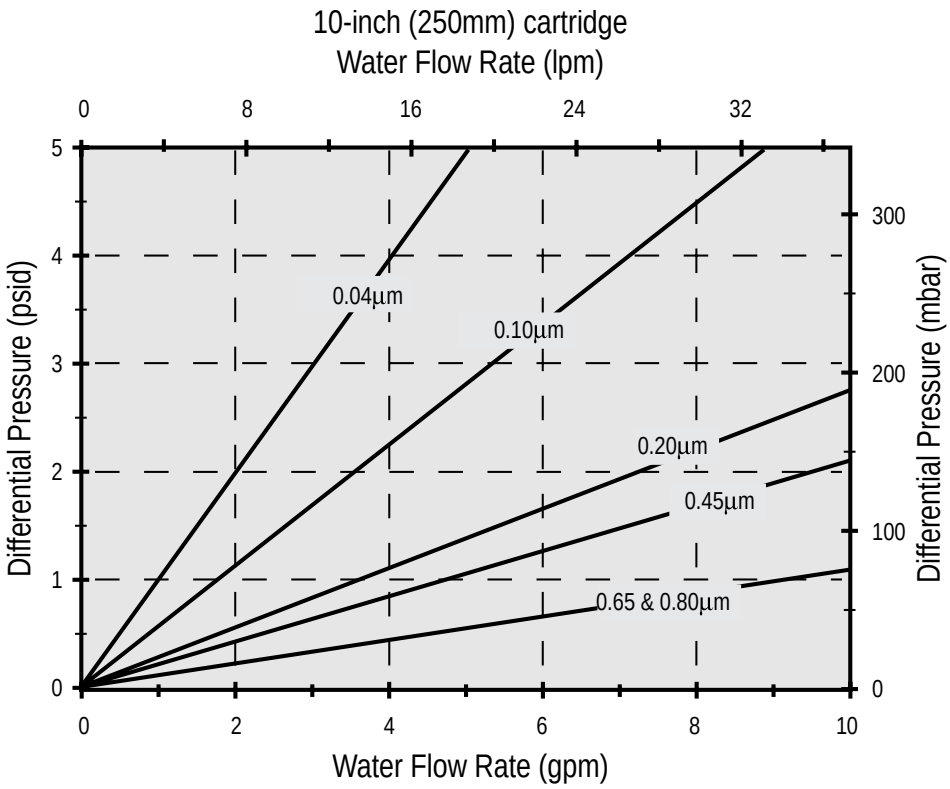
Clariflow® General Grade

Specifications

Materials of Construction
Membrane: Polyethersulfone
Support layers: Polypropylene
Structural: Polypropylene

Effective Filtration Area
6.8 ft² (0.63 m²) per 10" (250mm) cartridge

Maximum Differential Pressure/ Temperature
Forward:
80 psid (5.5 bar) at 75°F (24°C)
40 psid (2.8 bar) at 180°F (82°C)
Reverse:
50 psid (3.4 bar) at 75°F (24°C)



Performance Attributes

Water in Flow rates, Typical *

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

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

Ordering Information

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End Fitting

CODE	DESCRIPTION
0	DOE (CUNO)
1	DOE
2	226/Flat
3	222/Flat
6	020/Internal/Flat
7	226/Fin
8	222/Fin

Nominal Length

CODE	LENGTH
10	10" (250mm)
20	20" (500mm)
30	30" (750mm)
40	40" 1000mm)

Filter Rating

CODE	MICRON
924	0.04µm
001	0.10µm
002	0.20µm
004	0.45µm
006	0.65µm
008	0.80µm

Gasket/O-Rings

CODE	MATERIAL
0	Buna N
1	EPDM (Standard)
2	Silicone
4	Viton®
5*	FEP-Encapsulated Viton®
6*	FEP-Encapsulated Silicone
N	None

*O-Rings only

Thickness (Gasket Only)

CODE	MATERIAL
1	0.200" (5mm)
2	0.125" (3mm)
4	(1) 0.200" (5mm) & (1) 0.125" (3mm)
N	No Gasket

ENGINEERING YOUR SUCCESS.