

# 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 ft<sup>2</sup> (0.63 m<sup>2</sup>) 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)

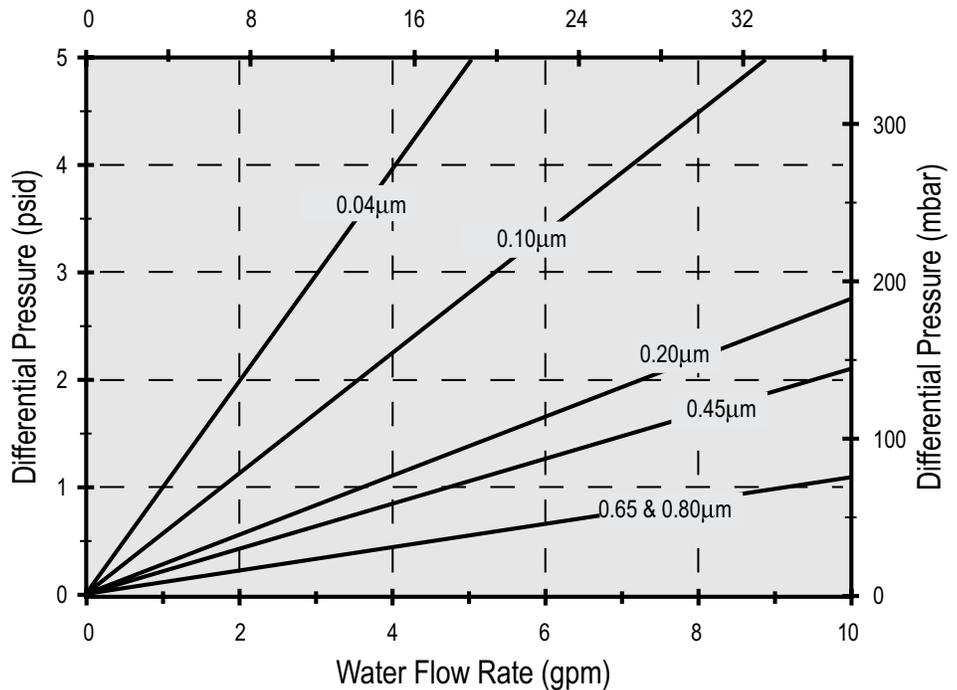
## Performance Attributes

### 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) cartridge equivalent and for fluids with viscosity of 1cP.

10-inch (250mm) cartridge  
 Water Flow Rate (lpm)



## Ordering Information

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

\*O-Rings only

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