

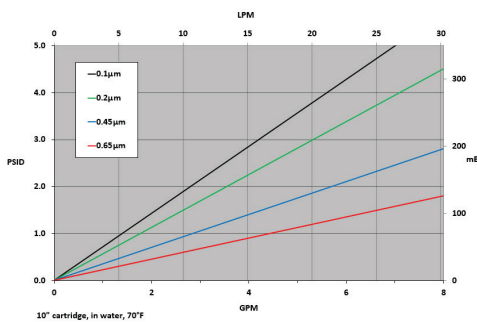
## WCPE-Series WaterClear™ Polyethersulfone

### WCPE-Series High Purity WaterClear™

Polyethersulfone Filter Cartridges are a value-oriented, reduced surface area choice for cost effective, general purpose membrane filtration. Designed in continuous lengths up to 30" for excellent performance value. The highly retentive polyethersulfone membrane offers excellent flux density and low protein-binding. The naturally hydrophilic membrane wets easily to allow for the maximum utilization of the surface area. These features allow the WCPE-Series to provide the fine performance of PES membrane at a competitive price.

Designed to tolerate repeated hot water sanitization and in-situ steam sterilization cycles. Manufactured in a clean-room environment to maintain high standards of purity and cleanliness.

### Flow Rate vs Pressure Drop



### Typical Applications

- Deionized Water Systems
- General-Use Water Filtration
- Liquid Clarification
- Chemical Filtration

### Ordering Information

WCPEs	Rating (µ)	A	Length	C	End Cap Style	O-Rings/Gaskets	-	Adders
	0.1		10" (5.4 cm)		2 = DOE Flat Gasket	B = Buna		CS = 316SS Compression Spring
	0.2		20" (50.8 cm)		3 = 222 w/ Fin	E = EPDM		R = 18 Megaohm Rinse
	0.45		30" (76.2 cm)		4 = 222 w/ Flat Cap	S = Silicone		
	0.65				6 = 226 w/ Flat Cap	T = Teflon® Encapsulated Viton®		
					7 = 226 w/ Fin	V = Viton®		
					16 = 213 Internal O-Ring	Z = Teflon® Encapsulated Silicone		
					28 = 222 3-tabs w/ Fin			

DISCLAIMER: Filtration data presented is representative of performance observed in controlled laboratory testing. It is not given as a warranty, specification or statement of fitness for use. Specific performance can vary widely depending on contaminant type, fluid properties, flow rates and environmental conditions. It is recommended that users conduct thorough qualification testing to assure the product functions as required. For additional technical support, a product Performance Guide is available upon request.

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### Construction Materials

**Membrane**..... Polyethersulfone  
**Support Media**..... Polypropylene  
**End Caps**..... Polypropylene  
**Center Core**..... Polypropylene  
**Outer Support Cage**..... Polypropylene  
**O-Rings/Gaskets**..... Buna, EPDM, Silicone,  
 Teflon® Encapsulated Viton®, Viton®,  
 Teflon® Encapsulated Silicone

### Sanitization/Sterilization

**Filtered Hot Water**.....80°C for 30 min.  
**Steam Sterilization** .....121°C for 30 min.,  
 multiple cycles

**Chemicals:** Cartridges are compatible with most chemical sanitizing agents.

**Note:** Stainless steel insert required for all cartridges being hot water sanitized or steam sterilized.

### Dimensions

**Length:**  
 10 to 30 inches (25.4 to 101.6 cm) nominal  
**Outside Diameter:**  
 2.70 inches (7.0 cm) nominal

### Operating Conditions

**Change Out ΔP (recommended)**.....35 PSID  
**Temperature (max)**.....176°F (80°C)  
**Differential Pressure (max)**.....50 PSID  
 (3.4 bar) at 68°F (20°C)

### Toxicity

All polypropylene components meet the specifications for biological safety per USP Class VI – 121°C for plastics.

### FDA Listed Materials

Materials of construction comply with FDA regulations for food and beverage contact use as detailed in the US Code of Federal Regulations, 21CFR. Materials used to produce filter media and hardware are deemed safe for use in contact with foodstuffs in accordance with EU Directives 2002/72/EC, 1935/2004, and/or 10/2011.