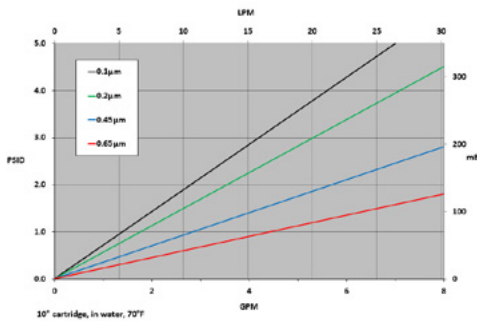


WCPE-Series WaterClear™ Grade Polyethersulfone

WCPE-Series High Purity WaterClear™ Grade 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" segments* 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 maximum utilization of the entire surface. 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



* Continuous length up to 30" (40" cartridges have two 20" segments).

Typical Applications

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

Ordering Information

WCPE	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		

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.



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®

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 option required for all cartridges being hot water sanitized or steam sterilized.

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.

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.