GLOBAL FILTER LLC

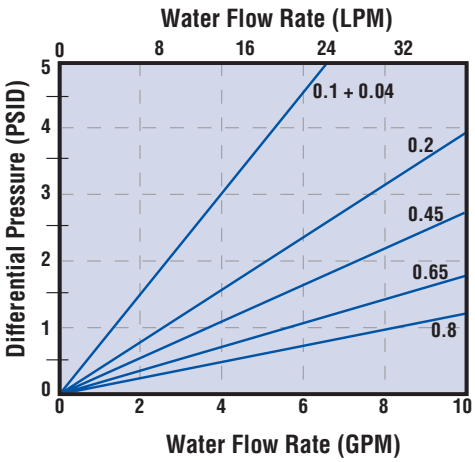
Filter Data Sheet

High Purity – Water Service Grade PES

Hydrophilic Polyethersulfone (PES) Membrane for Water Purificaton

Water Service Grade PES Cartridges are cost-effective alternatives to General and Electronic Grade Cartridges for a variety of aqueous based fluids. Water Service Cartridges are manufactured from an inherently hydrophilic PES membrane. The cartridge offers excellent flow characteristics, extended service life, and broad chemical compatibility

Flow Rate



Typical Applications

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

Construction Materials

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

Sanitization/Sterilization

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

Chemicals: Cartridges are chemically compatible with most chemicals and sanitizing agents

Note: Stainless insert option needed for all cartridges being hot water sanitized or steam sterilized.

Dimensions

Length:
10 to 40 inches (25.4 to 101.6 cm) nominal

Outside Diameter:
2.75 inches (7.0 cm) nominal

Maximum Recommended Operating Conditions

Maximum Temperature ..... 176°F (80°C)

Maximum Differential Pressures

Forward ..... 50 psi (3.4 bar) at 20°C
Reverse ..... 40 psi (2.7 bar) at 20°C

FDA Listed Materials

Manufactured from materials which are listed for food contact applications in title 21 of the U.S. Code of Federal Regulations.

Toxicity

All polypropylene components meet the specifications for biological safety per USP Class VI - 121ºC for plastics.

Ordering Information

GWPES	Pore Size	A	Length	C	End Cap Code	O-Rings/Gaskets	Adders
	0.04		10 (25.4 cm)		2 = DOE - Flat Gasket	B = Buna	I = Stainless Steel Insert
	0.1		20 (50.8 cm)		3 = 222 w/ Fin	E = EPDM	HP = Heavy Poly Core
	0.2		30 (76.2 cm)		4 = 222 w/ Flat Cap	S = Silicone	
	0.45		40 (101.6 cm)		6 = 226 w/ Flat Cap	V = Viton	
	0.65				7 = 226 w/ Fin	T = Teflon Encapsulated Viton	
	0.8				16 = 213 Internal O-Ring		

Global Filter, LLC • 7201 Mt. Vernon Rd. SE • Cedar Rapids, IA 52403
Phone: (319) 743-0110 • Fax: (319) 743-0220 • www.globalfiltercorp.com

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