

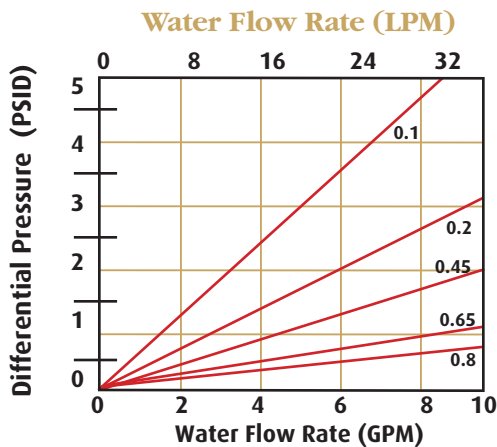
# High Purity – PES Membrane

## Hydrophilic Polyethersulfone (PES) Membrane for Liquid Filtration Applications

**PES Cartridges** are designed for general purpose use wherever a cost effective membrane filter is required. Manufactured to hold the maximum amount of filter media that can be completely and effectively utilized in a cartridge. PES Membrane 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

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

### 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

### ORDERING INFORMATION

MPES (Pore Size)	A (Length)	C (End Cap Code)	O-Rings/Gaskets	Options	Grade
0.04	10 (25.4 cm)	B = DOE W/gasket – and caps	B = Buna	I = 316SS Inset	G = General
0.1	20 (50.8 cm)	C = 222 W/Spear	E = EPDM	O = DI Flush	W = Water
0.2	30 (76.2 cm)	D = 222 W/Closed Flat Cap	S = Silicone		E = Electronics
0.45	40 (101.6 cm)	E = 222 W/Spring	V = Viton		F = Food & Beverage
0.65		F = 226 W/Closed Flat Cap	T = Teflon		
0.8		G = 226 W/Spear	Encapsulated Viton		
		H = 226 W/Spring			
		J = Polypropylene Extender			
		L = Spring			
		N = SOE Recessed Cap, internal 213 O-ring			

### SANITIZATION

**Filtered Hot Water** ..... 88° C for 30 minutes at a maximum of 15psid  
 Cartridges are chemically compatible with most ultra-pure chemicals, solvents, and sanitizing agents.

### DIMENSIONS

**Length:**  
 10 to 40 inches (25.4 to 101.6 cm) nominal  
**Outside Diameter:**  
 2.70 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** ..... 45 psi (2.7 bar) at 20° C

### PRODUCT PURITY

All components FDA acceptable per 21 CFR.

