

Filter Data Sheet

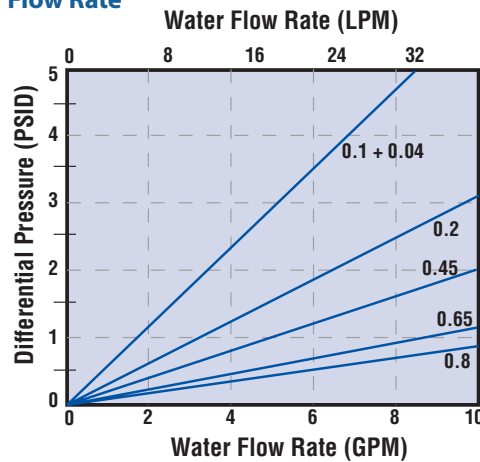
High Purity - Food and Beverage Grade PES

Hydrophilic Polyethersulfone (PES) Membrane Developed for the Food and Beverage Industry

Food and Beverage Grade PES Cartridges have been designed to comply with all FDA requirements for the food industry. PES is a low protein binding membrane and therefore a good choice for fermented beverage applications. Food and Beverage Cartridges are flushed with DI water to remove manufacturing debris and extractables. Each cartridge module is tested to ensure integrity.



Flow Rate



Typical Applications

Wine
Beer
Juices
Soft Drinks
Bottled Water

Construction Materials

MembranePolyethersulfone (PES)
Support MediaPolypropylene
End CapsPolypropylene
Center CorePolypropylene
Outer Support CagePolypropylene
O-Rings/Gaskets.....Buna, Viton, EPDM, Silicone, Teflon® Encapsulated Viton

Sanitization/Sterilization

Filtered Hot Water80°C for 30 Minutes
Steam Sterilization121°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 Temperature176°F (80°C)
Maximum Differential Pressures
Forward50 psi (3.4 bar) at 20°C
Reverse40 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 - 121°C for plastics.

Ordering Information

GPES	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	
	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		