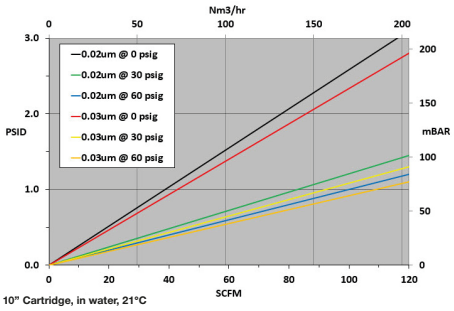
PSH-Series Hydrophobic Polysulfone

PSH-Series High Purity Hydrophobic Polysulfone Membrane Filter Cartridges provide a cost-effective alternative to PTFE or PVDF membrane cartridges for air, bulk gas, and tank vent applications requiring high moisture resistance. The highly asymmetric membrane pore structure provides high flow rate at low pressure drop. Constructed using high purity polypropylene hardware and support layers. PSH-Series cartridges offer outstanding performance value. Manufactured in a clean-room environment to maintain high standards of purity and cleanliness.



Flow Rate vs Pressure Drop



Typical Applications

- Tank Vent
- Fermentation
- Air, Nitrogen, Other Inert Gases

Construction Materials

Membrane.....Hydrophobic Polysulfone
Support Media.....Polypropylene
End Caps.....Polypropylene
Center Core.....Polypropylene
Outer Support Cage.....Polypropylene
O-Rings/Gaskets.....Buna, EPDM, Silicone, FEP Silicone, FKM, FEP FKM

Sanitization/Sterilization

Filtered Hot Water.....80˚C for 30 min.
In-Line Steaming.....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, for the 222 and 226 connections.

Dimensions

Length :
10 to 40 inches (25,4 to 101,6 cm) nominal
Outside Diameter :
7,0 cm nominal

Operating Conditions

Change Out ΔP (recommended).....2,4 bar
Temperature (max).....80˚C
Differential Pressure (max).....3,4 bar at 20˚C

Toxicity

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

Food Safety Compliance

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 1935/2004 and/or 10/2011.

Ordering Information

PSH	Rating(µ)	A	Length	C	End Cap Style	O-Rings/Gaskets	-	Adders
	0,02		10"		2 = DOE Flat Gasket[1]	B = Buna-N		CS = 316SS Compression Spring
	0,03		20"		3 = 222 w/Fin	E = EPDM		I = Stainless Steel Insert
			30"		4 = 222 w/Flat Cap	S = Silicone		
			40"		6 = 226 w/Flat Cap	T = FEP FKM		
					7 = 226 w/Fin	V = FKM		
					16 = 213 Internal O-Ring[2]	Z = FEP Silicone		
					28 = 222 3-Tabs w/ Fin			

[1] If code 2 (DOE) is applied, options T and Z are not available.
[2] Silicone and EPDM only.

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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