

VF Series Polyethersulfone Membrane PS2

Filters High Quality and Excellent Retention Efficiency

SERIES VFPS2 High Retention Element

Venefilter, Creates this line of filters that use a special pleated polyethersulfone membrane, to provide consistent removal of spoilage organisms and inorganic particulate. The product offers excellent retention efficiency and extended on-stream life making it an ideal filter for the clarification of beer and wine. The membrane is designed to achieve and exceed the filtering criteria necessary to maintain the characteristics and quality product.

Features

- Manufactured in an ISO Class 7 Cleanroom Environment.
- Low adsorption of protein, color and flavor components
- All materials are listed by the FDA for contact with food and beverages.
- Steamable/sanitizable for cleaning and reuse.
- High log reduction values for spoilage organisms.
- Polyethersulfone Membrane provides high capacity contaminant loading.

Operating Conditions

Maximum operating temperature	180 °F (82 °C) a 20 Psid (1,38 bar)
Maximum differential pressure	80 Psid a 70 °F (5,5 bar a 21 °C)
	40 Psid a 176 °F (2,8 bar a 80 °C)
Maximum reverse differential pressure	40 Psid a 70 °F (2,8 bar a 21 °C)
Recommended change-out	35 Psid (2,4 bar)

Integrity Test Specifications

Minimum Bubble Point values and maximum Diffusive Air Flow (per 10-inch cartridge)

Pore Size	Bubble Point	Diffusive Air Flow
0,45 microns	≥ 20 Psig (1,4 bar)	≤ 35 cc/min a 16 Psig (1,1 bar)
0,65 microns	≥ 17 Psig (1,2 bar)	≤ 35 cc/min a 14 Psig (1,0 bar)



Applications

- White Wine
- Red Wine
- Beer
- Sparkling Wine
- Wine/Malt Coolers
- Champagne
- Distilled Spirits

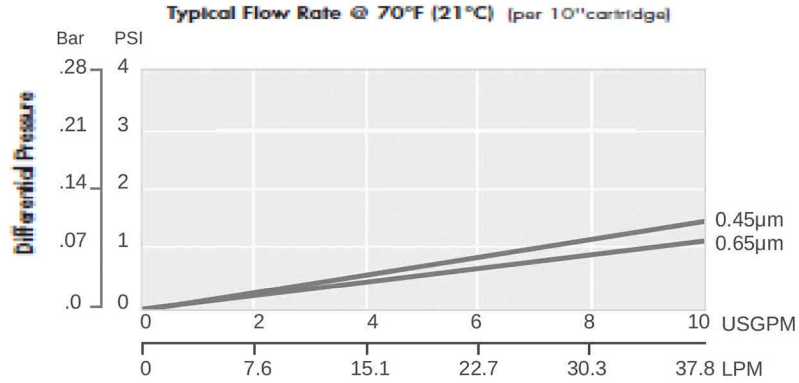
Design specifications

Media	Asymmetric Polyethersulfone membrane
Inner core, end caps, cage	Polypropylene
Support layers	Spunbonded Polypropylene
Outside diameter	2,7" (6,9 cm)
Inside diameter	1,0" (2,54 cm)
Surface area	7,6 ft2 (0,7 m2) per 10" element

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Pressure drop



Part Number

Series	Microns	Nominal Length	End Configuration	Gasket
VFPS2	0.2	5: 5"	DOE: Double Open End	B: Buna-N
	0.45	9.75: 9 ^{3/4} "	S3:222w/Fin end	E: EPDM
	0.65	10: 10"	S4:222w/Flat end	V: Viton
		20: 20"	S5:226w/Fin end	S: Silicone
		30: 30"	S6:226w/Flat end	T: Teflon
		40: 40"	SOE: Single open end, internal O-Ring	

CAT-VF-PS2-12