

VF Series Polyethersulfone Membrane PS6

Sterile filtration, Total bacterial retention

SERIES VFPS6 Sterile filtration

Venefilter, Creates this filter pleated polyethersulfone membranes with sterilization grade that is validated for total bacterial retention, providing product sterility in biopharmaceutical applications. The naturally hydrophilic and low protein binding characteristics of polyethersulfone membrane ensure maximum transmission of active ingredients making it ideal for a wide range of pharmaceutical and biological liquid applications, including the filtration of therapeutics, vaccines, antibiotics, bulk pharmaceutical and other critical biotechnology products. Are manufactured in a cleanroom environment, and integrity tested before shipment to assure consistent performance and quality.

Features

- Absolute retention efficiency.
- Manufactured in an ISO Class 7 Cleanroom Environment.
- 100% flushed with ultrapure DI water.
- Meets USP Class VI, biological test for plastics.
- Meets ASTM Standards for Sterility.
- 100% Integrity tested prior to release
- Pore size, lot and serial number are stamped on each filter element for identification and traceability.

Operating Conditions

Maximum differential pressure	60 Psid a 80 °F (4,14 bar a 27 °C)
	30 Psid a 160 °F (2,07 bar a 71 °C)
	15 Psid a 200 °F (1,03 bar a 93,3 °C)
Maximum Operating Temperature	180 °F (82 °C) a 20 Psid (1,38 bar)
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

Maximum Diffusive Air Flow (per 10-inch cartridge)

Pore Size	Diffusive Air Flow
0,2 microns	≤ 30 cc/min a 32 Psig (2,2 bar)



Applications

- Ophthalmic Solutions.
- Reagent Chemicals.
- Buffers.
- Vaccines.
- Culture Media

Design specifications

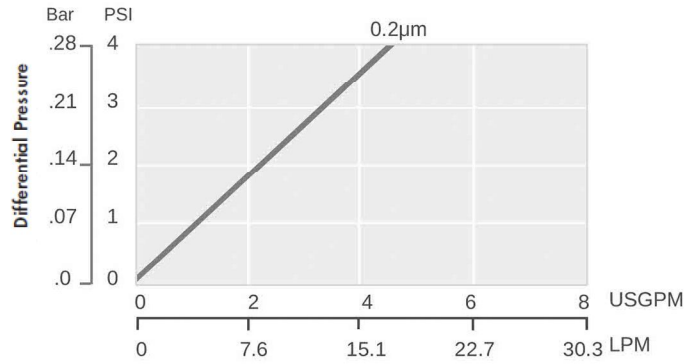
Media	Asymmetric Polyethersulfone membrane
Inner core, end caps, cage	Polypropylene
Support layers	Spunbonded Polypropylene
Outside diameter	2,7" (6,9 cm)
Inside diameter	1,0" (2,54 cm)
Surface area	6,8 ft2 (0,63 m2) per 10" element

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Pressure drop

Typical Flow Rate @ 70°F (21°C) (per 10¹¹ cartridge)



Part Number

Series	Microns	Nominal Length	End Configuration	Gasket
VFPS6	0.2	10: 10"	S3:222w/Fin end	B: Buna-N
		20: 20"	S4:222w/Flat end	E: EPDM
		30: 30"	S5:226w/Fin end	V: Viton
		40: 40"	S6:226w/Flat end	S: Silicone
				T: Teflon

CAT-VF-PS6-13