

Vent-Rite

Pleated PTFE for Sterilization in Air & Vent Gas Applications

Clarity
clear solutions

PRODUCT HIGHLIGHTS

- PTFE membranes
- Inherently hydrophobic media
- 100% integrity tested, High surface area
- Aerosol validated, Virus retentive in gases
- Thermally bonded construction
- Water intrusion testable
- Quality control certificate with every filter, FDA listed materials per CFR 21
- Can be steam sterilized multiple times in situ for longer filter life
- Manufactured in certified clean rooms

PRODUCT DESCRIPTION

Strainrite's [Vent-Rite](#) hydrophobic, sterilizing PTFE membrane filters provide the highest levels of security in demanding air and gas applications. These filters are designed to remove microorganisms, particulate and moisture.

Strainrite's optimized design ensures exceptional gas flow rate and throughput for the biopharmaceutical, food and beverage markets. [Vent-Rite](#) filters are designed for applications that require particulate security to 0.003µm in gas and air and 0.2µm in liquids. Strainrite delivers value and security with these aerosol validated cartridges.

[Vent-Rite](#) meets USP Biological Reactivity Test Criteria, is non-fiber-releasing, and manufactured to withstand multiple sterilization cycles, when using industry recognized and accepted methods.



ABSOLUTE RATED RETENTION

0.2 µm liquids | 0.003 µm gasses

END CAP INSERT

316 Stainless Steel

OUTSIDE DIAMETER

2.7" (6.87cm)

APPROX SURFACE AREA

8.5 square feet per 10" equivalent

MAXIMUM DIFFERENTIAL PRESSURE

Forward: 75 psid (5.1 bar) @ 75°F (24°C)
40 psid (2.8 bar) @ 180°F (82°C)
Reverse: 50 psid (3.4 bar) @ 75°F (24°C)

SEALS

Fluorocarbon | Silicone

MAXIMUM OPERATING TEMPERATURE

180°F (82°C) Continuous Duty Polypropylene

PLEAT SUPPORT MATERIAL

Polypropylene

FILTER MEDIA

PTFE

PRODUCTION PROCESS

Thermal Bond

CAGE/CORE

Polypropylene

END CAPS

Polypropylene

TOXICITY

Cartridge materials meet USP Class VI and FDA CFR 21 for food and beverage contact

STERILIZATION

Vent-Rite cartridges have been validated for bacterial removal in air at an aerosol bacterial challenge level of *Brevundimonas diminuta* at 107 per cm2 per ASTM (F 838-05)

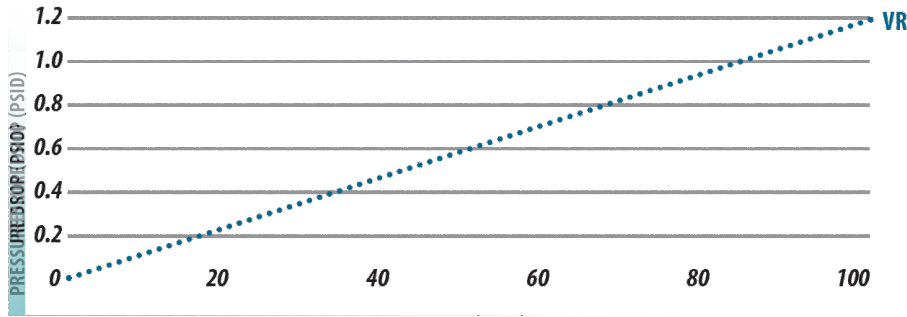
PACKAGING ECONOMY

Bulk packaging in case quantities to reduce material disposal:
5 inch - 48 per carton | 10 inch - 24 per carton | 20 inch - 12 per carton | 30 inch - 12 per carton

LENGTHS

5 inch (12.7 cm) | 10 inch (25.4 cm) | 20 inch (50.8 cm) | 30 inch (76.2 cm)

PERFORMANCE CHARACTERISTICS



ORDER OPTIONS

CARTRIDGE	LENGTH	END CAP	O-RING	GRADE
VR Vent-Rite	5" 10" 20" 30"	C3 = Flat/222 C6 = Flat/226 C7 = Fin/226 C8 = Fin/222	S = Silicone V = Fluorocarbon	2 Pharmaceutical

