

Vent-Rite

Pleated PTFE for Sterilization in Air & Vent Gas Applications

- ▶ FERMENTER INLET AIR
- ▶ STERILE VENTING OF TANKS

- ▶ STERILE PROCESS AIR
- ▶ EXHAUST VENTING



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 0.003 μ m in gas and air and 0.2 μ m 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.

- ▶ 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



ORDER GUIDE



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)															
MAXIMUM OPERATING TEMPERATURE																	
180°F (82°C) Continuous Duty																	
TOXICITY																	
Cartridge materials meet USP Class VI and CFR 21 for food and beverage contact																	
STERILIZATION																	
Vent-Maxx cartridges have been validated for bacterial removal in air at an aerosol bacterial challenge level of <i>Brevundimonas diminuta</i> at 10 ⁷ per cm ² 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																	
FILTER MEDIA	END CAPS/ CAGE/CORE	PLEAT SUPPORT MATERIAL	END CAP INSERT														
PTFE	Polypropylene	Polypropylene	316 Stainless Steel														
SEALS		CONSTRUCTION METHOD															
Fluorocarbon Silicone		Thermal Bond															
OUTSIDE DIAMETER		APPROXIMATE SURFACE AREA															
2.7" (6.87cm)		8.5 square feet per 10" equivalent															
LENGTHS																	
5 inch (12.7 cm) 10 inch (25.4 cm) 20 inch (50.8 cm) 30 inch (76.2 cm)																	
INTEGRITY TEST VALUES																	
All cartridges are integrity tested prior to shipment using pressure decay test method. Values below are for cartridges wetted with 100% IPA.																	
CARTRIDGE	TEST PRESSURE	DIFFUSIONAL FLOW															
10"	14 psi	100mL/min															
20"	14 psi	200mL/min															
30"	14 psi	300mL/min															
PERFORMANCE CHARACTERISTICS																	
<table border="1"> <caption>Performance Characteristics Data</caption> <thead> <tr> <th>Air Flow Rate (SCFM)</th> <th>Pressure Drop (PSID)</th> </tr> </thead> <tbody> <tr><td>0</td><td>0.0</td></tr> <tr><td>20</td><td>0.2</td></tr> <tr><td>40</td><td>0.4</td></tr> <tr><td>60</td><td>0.6</td></tr> <tr><td>80</td><td>0.8</td></tr> <tr><td>100</td><td>1.1</td></tr> </tbody> </table>				Air Flow Rate (SCFM)	Pressure Drop (PSID)	0	0.0	20	0.2	40	0.4	60	0.6	80	0.8	100	1.1
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ORDER OPTIONS

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