

Vent-Rite

Pleated PTFE for Sterilization in Air & Vent Gas Applications

▪ Fermenter Inlet Air

▪ Exhaust Venting

▪ Sterile Process Air

▪ Sterile Venting of Tanks

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.

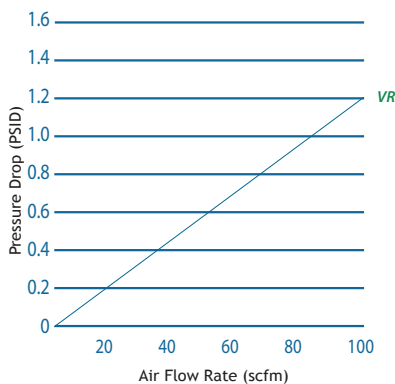


Features & Benefits

Vent-Rite

- 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

Performance Characteristics



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"	14psi	100mL/min
20"	14psi	200mL/min
30"	14psi	300mL/min

Specifications

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-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

Materials of Construction

Filter Media

PTFE

End Caps

Polypropylene

Pleat Support Material

Polypropylene

Cage/Core

Polypropylene

Seals

Silicone
 Fluorocarbon

Sealing

Thermal Bond

End Cap Insert

316 Stainless Steel

Dimensions

Vent-Rite

Outside Diameter

2.7" (6.87cm)

Approx. Surface Area

8.5ft² per 10" equivalent

Lengths

5" (12.7cm)
 10" (25.4cm)
 20" (50.8cm)
 30" (76.2cm)

Ordering Information

