

Vent-MAXX

Double Layer PTFE for Sterilization in Air & Vent Gas Applications

▪ Fermenter Inlet Air

▪ Exhaust Venting

▪ Sterile Process Air

▪ Sterile Venting of Tanks

The **Vent-Maxx** gas sterilizing filters set a new standard for PTFE membrane elements. These filters utilize a technologically advanced membrane in our unique pleat construction to deliver unrivalled efficiency, superior strength, and high flow rates.

Vent-Maxx double layer PTFE membrane filters are designed to remove microorganisms, particulate, and moisture in your most demanding air and gas applications. These liquid validated sterilizing grade filters are designed to meet the highest levels of security required in the pharmaceutical, food and beverage, and biopharmaceutical industries.

Vent-Maxx filters conform to USP Class VI – 121°C and 21 CFR Part 177. Strainrite delivers clear solutions to your air and gas filtration applications.

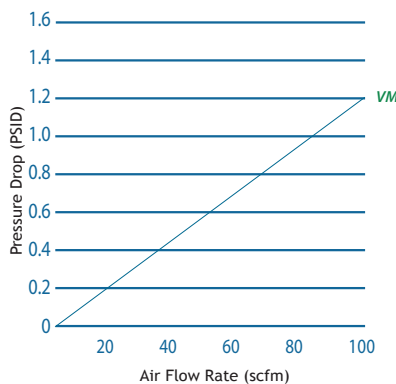


Features & Benefits

Vent-MAXX

- PTFE membranes
- Inherently hydrophobic media
- 100% integrity tested
- High surface area
- Sterilizing grade in liquids
- 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	25mL/min
20"	14psi	50mL/min
30"	14psi	75mL/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-Maxx 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)

Liquid challenge validated as sterilizing grade filter at a challenge level of *Brevundimonas diminuta* at 10⁷ per cm² per ASTM (F 838-05)

Water Intrusion Test (WIT) value of > 60 psi with a WIT not to exceed 75 psi.

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

Double Layer 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-MAXX

Outside Diameter

2.7" (6.87cm)

Approx. Surface Area

7.5ft² per 10" equivalent

Lengths

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

Ordering Information

