Vent-MAXX

Double Layer PTFE for Sterilization in Air & Vent Gas Applications

- ▶ FERMENTER INLET AIR
- ▶ STERILE VENTING OF TANKS
- ▶ STERILE PROCESS AIR
- ▶ EXHAUST VENTING

ORDER GUIDE

VM – 10 (CARTRIDGE LENGTH) → C3 (END CAP CONFIGURATION) → S (GASKET / O-RING MATERIALS) → 2 (CARTRIDGE GUIDE) → **VM-10C3S2**

Strainrite's 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 – 121oC and 21 CFR Part 177. Strainrite delivers clear solutions to your air and gas filtration applications.

- ▶ 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

NEED A VESSEL FOR YOUR CARTRIDGES?

For the Vent-MAXX, the following vessel types are most commonly used:

SRCT—PAGE 126

As always, discuss your options with your local sales representative to find the best fit for your application.

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
an aerosol bacterial challenge level of Brevundimonas diminuta at 10^7 per cm^2 per ASTM (F 838-05)
Liquid challenge validated as sterilizing grade filter at a
challenge level of Brevundimonas diminuta at 10^7 per cm^2 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

FILTER MEDIA	END CAPS/ CAGE/CORE	PLEAT SUPPORT MATERIAL	END CAP INSERT
Double Layer PTFE	Polypropylene	Polypropylene	316 Stainless Steel

SEALS	CONSTRUCTION METHOD
Fluorocarbon | Silicone	Thermal Bond

OUTSIDE DIAMETER	APPROXIMATE SURFACE AREA
2.7" (6.87cm)	7.5 square feet per 10" equivalent

LENGTHS

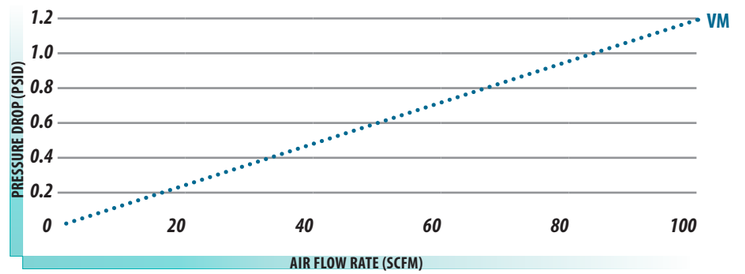
5 inch (12.7 cm) | 10 inch (25.4 cm) | 20 inch (50.8 cm) | 30 inch (76.2 cm)

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	25mL/min
20"	14 psi	50mL/min
30"	14 psi	75mL/min

PERFORMANCE CHARACTERISTICS



ORDER OPTIONS

CARTRIDGE

VM	Vent-MAXX

CARTRIDGE LENGTH

5, 10, 20, 30

END CAP CONFIGURATIONS

C3	Flat/222
C6	Flat/226
C7	Fin/226
C8	Fin/222

GASKET / O-RING MATERIAL

S	Silicone
V	Fluorocarbon

CARTRIDGE GRADE

2	Pharmaceutical