

VA Series Hydrophobic PTFE Validated Membrane Vent Filter Cartridge



- Hydrophobic, pleated PTFE membrane rated at 0.2µm absolute for sterile air filtration
- Materials of construction conform to USP Class VI biological tests for plastics
- High surface area and high voids volume combine to offer exceptional flow rates and extended service life
- Fully validated by aerosol and liquid bacterial challenge
- Filters are integrity testable by all methods including Water Intrusion Test
- FCVA Series is fully retentive to aerosolized Brevundimonas diminuta (ATCC 19146) bacteria when challenged with a total of 2x10⁹ cfu over a 1-hr test at the rated flow of the cartridge.
- Conformance to the requirements for the non-fibre releasing filters as laid down in the U.S. Food and Drug Administration Regulations 12CFR211.72 and 210.3(b), (6).

CARTRIDGE SPECIFICATIONS

Dimensions

Diameter (OD)
 Length (in)

2.6
 5, 10, 20, 30

Materials

Cartridge
 Membrane
 Seals

Polypropylene caps, core and cage
 Hydrophobic PTFE
 Silicone o-rings

Operating Parameters

Maximum Temperature
 Maximum Differential Pressure @ 20°C
 Air Filtration Rating
 Toxicity

50° C
 50 psig
 0.02 µm Absolute
 All components conform to the Biological Safety Standards identified in USP <88> *Biological Reactivity* to Class VI-121°C levels
 ASTM F838-83 Liquid Bacterial Challenge
 Fully retentive to both Aerosol Bacteria and Phage Challenge

Sanitizing Agents

Sterilization

Can be insitu steam sterilized up to 180 times at 142°C
 Chlorine, hydrogen peroxide

Integrity Test @ 20°C

Micron Rating
 Minimum Bubble Point (psi)
 Pressure Decay Test Pressure (psi)
 Maximum Diffusional Flow (ml/min)

0.2 µm liquid rating
 14.5
 11.6
 8.5, 18, 36, 54

ORDERING INFORMATION

Catalog Number and Description

FCVA	Filter Cartridge Vent PTFE
X	Cartridge Code: 0 = 2-222 o-rings 5 = 2-222 o-rings w/spear end 7 = 2-226 o-rings w/locking tabs/spear end
XX	Length (in): 05 = 5, 10 = 10, 20 = 20, 30 = 30
S2	Micron Rating: S2 = 0.2 µm

To figure your order number, replace the X with one of the numbered or lettered options beside it.
 NOTE: These filter cartridges should not be used as a combination air vent/water overflow device.
 NOTE: Not all part number combinations are available; consult Technical Support for assistance.

