

acuraVent AVF-ST Pleated PTFE filter cartridges

acuraVent AVF-ST membrane filter cartridges are designed for economic and reliable endfiltrations and sterile filtrations of Gases. The pleated, hydrophobic PTFE membrane is supported by a solid polypropylene cage and a core of stainless steel. Because the supporting adapter is strengthened inside any bypass is impossible even under high temperature. The dissymmetric structure of the membrane ensures a low differential pressure and an equally long service life even under high flow rates. acuraVent AVF-ST filter cartridges are used mainly in the production of synthetic products, the excellent chemical constancy allows also to use them in many critical fields of industrial production, as well as a tank air ventilation. A retention efficiency up to 0.2 µm guarantees excellent, reproducible results in endfiltration.

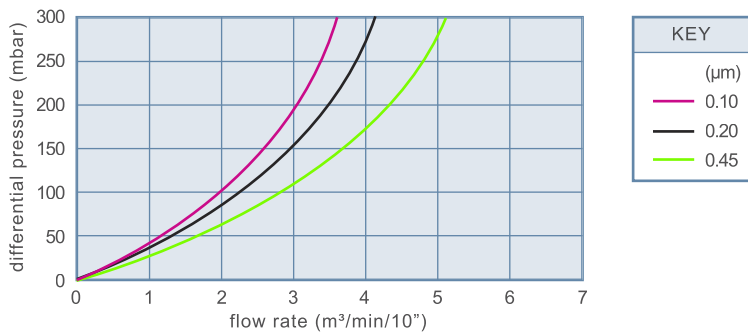


TECHNICAL DATA

acuraVent AVF-ST

Membrane	Support mesh/ end-caps	Temperature	Sterilization	
PTFE (hydrophobic)	polypropylene stainl. steel 1.4301	max. 90°C	with autoclave : 121°C, 30 min., 120 times total sterilization period: max. 60 h	
Max. diff. pressure	Cartridge length/ -area	I.D. / O.D.	Micron rating	Valid pH value
4.2 bar (20°C) 1.4 bar (90°C)	10" - 40" / 0.6 m² / 10"-Kerze	28 / 70 mm	0.1 - 0.2 - 0.45 µm absolute	1 - 14

FLOW RATES FOR AIR



Test of integrity	
Micron rating	Bubble Point
0.10 µm	-----
0.20 µm	1.05 bar
0.45 µm	0.70 bar

95% ethanol at 25°C

APPLICATIONS

- Tank ventilation
- Chemicals
- Solvents
- Gas filtration
- Cosmetic, Food and beverage
- Pharmaceutical products

CHARACTERISTICS

- Dissymmetric structure, absolute deposition rate, high flow rates, extremely long filter service life
- Permanent hydrophobic PTFE membrane - no extra ad-ons or finishing treatment necessary
- By heat-sealing of the end caps and the adapter the cartridges is free of adhesives or binding agents
- Manufactured in a clean-room and preirised with 18MQ DI-water TOC-content under 40 ppb
- Usable for food and beverage by use of FDA listed materials.

ORDERING INFORMATIONS

Sample : AVF-ST-30SI-F5Q-020 (30" length, pre-flushed/ tested, 226-bayonet adaptor with fin, MVQ O-rings; 0.2 µm)

Product	Length	Pre-flushing	Integrity	Adaptor	Gasket	Micron rating
AVF-ST	10 = 10" 20 = 20" 30 = 30" 40 = 40"	S = pre-flushed	I = tested	F0 = double open end with end caps F2 = 222-adaptor F3 = 222-adaptor with fin F4 = 226-adaptor F5 = 226-adaptor with fin	N = NBR E = EPDM F = FPM P = PTFE S = FEP/FPM Q = MVQ	010 = 0.10 µm 020 = 0.20 µm 045 = 0.45 µm

Subject to technical alterations.
AL1054-02-E

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