

acuraFine AFS-ST

Pleated polyether sulphone filter cartridges

acuraFine AFS-ST membrane filter cartridges are designed for economic and reliable endfiltrations. The pleated, permanent hydrophilic polyether sulphone membrane is supported by a solid polypropylene cage. 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. acuraFine AFS-ST filter cartridges are used mainly in the production of pharmaceutical products, the excellent chemical constancy allows also to use them in many critical fields of industrial production, as well as the food sector.

A retention efficiency up to bis zu 0.2 µm reproducible results in endfiltration.

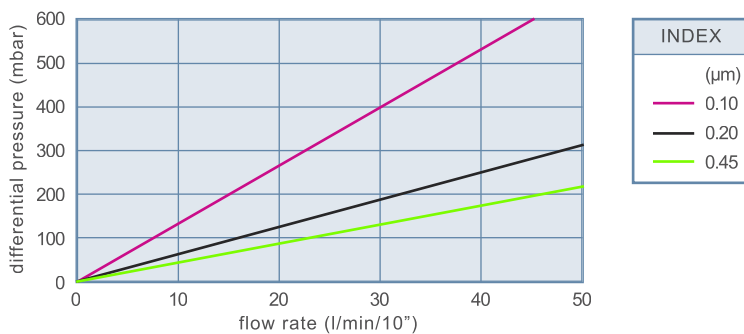


TECHNICAL DATA

acuraFine AFS-ST

Membrane	Support mesh/ end caps	Temperature	Sterilization	
Polyethersulfon PES (hydrophilic)	Polypropylene	max. 90°C	with hot water : 80°C, 30 min., 10 times in autoclave : 121°C, 30 min., 10 times with steam : 121°C, 30 min., 10 times	
Max. diff. pressure	Cartridge length/ -area	I.D. / O.D.	Micron ratings	Valid pH value
5.5 bar (20°C) 4.2 bar (50°C)	10" - 40" / 0.6 m² / 10" - cartridge	28 / 70 mm	0.1 - 0.2 - 0.45 µm absolute	2 up to 13

FLOW RATES



Integration test	
Micron rate	Bubble Point
0.10 µm	4 bar
0.20 µm	3.3 bar
0.45 µm	2.1 bar

Pure water at 25°C

APPLICATIONS

- Photoresist and chemicals
- Solvents
- Ultrapure water
- Cosmetics, food and beverage
- Pharmaceutical products

CHARACTERISTICS

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

ORDERING INFORMATION

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

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

Subject to technical alterations.
AL1052-02-E

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