

acuraFine AFA-ST

Pleated Nylon filter cartridge

acuraFine AFA-ST membrane filter cartridges are designed for economic and reliable filtrations. The pleated, permanent hydrophilic nylon membrane is supported by a solid polypropylene cage. Because the supporting adapter is strengthened inside any bypass is impossible even under high temperature.

The hydrophilic character of acuraFine AFA-ST filter cartridges allows the use for fine chemicals, in food and drinking production as well as for water preparation. Because of the excellent retention efficiency they are quite adequate in prefiltration as well as for a big range of endfiltration.

TECHNICAL DATA

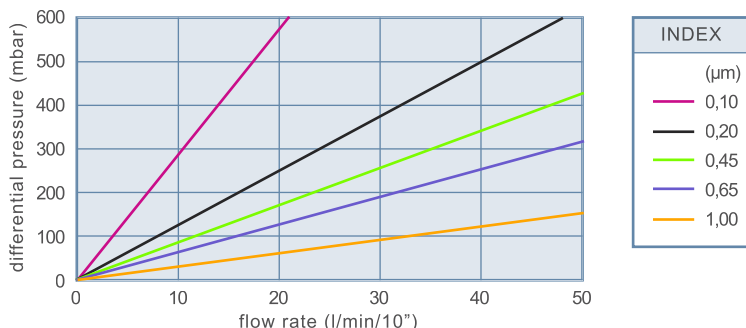
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Membrane/ filter area	Support mesh end caps	Temperature max.	Sterilization
Nylon (hydrophilic)/ 0.65 m ² /10"	Polypropylene	60°C for chemical apps. 80°C for food and beverage, DI-water	with hot water : 80°C, 30 min., 6 times in autoclave : 121°C, 30 min., 6 times with steam : 121°C, 30 min., 6 times

Max. diff. pressure	Cartridge length	I.D. / O.D.	Micron ratings
4.2 bar (20°C) 1.4 bar (60°C) 1.4 bar (90°C) DI-water	10" up to 40"	28 / 70 mm	0.1 - 0.2 - 0.45 - 0.65 - 0.80 - 1.00 - 3.00 µm absolute



FLOW RATES



Integration test	
Micron rate	Bubble Point
0.20 µm	> 2.8 bar
0.45 µm	> 2.0 bar
0.65 µm	> 1.5 bar

Pure water at 25°C

APPLICATIONS

- Photoresist and chemicals
- Solvents and DI-water
- Cosmetics, food and beverage
- Ultra pure water

CHARACTERISTICS

- 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 : AFA-ST-20SI-F5Q-020 (20" length, pre-flushed/ tested, 226-bayonett adaptor with fin, MVQ O-rings; 0.2 µm)

Product	Length	Pre-flush	Integrity	Connection	Gasket	Micron rating
AFA-ST	10 = 10"	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
	20 = 20"					020 = 0.20 µm
	30 = 30"					045 = 0.45 µm
	30 = 30"					065 = 0.65 µm
	40 = 40"					080 = 0.80 µm
						100 = 1.00 µm
						300 = 3.00 µm

Subject to technical alterations.
AL1053-02-E

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