

STERIPleat Nylon

Nylon 6,6 Membrane Filter Cartridge

**Sterile filtration
of liquids** in
pharmaceutical
industry. Integrity
testable media.

STERIPleat Nylon cartridges use a naturally hydrophilic Nylon 6,6 membrane for bacteria removal/reduction.

These filter cartridge are fully integrity testable and meet US FDA Title 21 and USP Class VI requirements.



Typical applications

- Sterile filtration
- Pharmaceutical, Cosmetics, Fine chemicals, Electronics
- Point of use

Specification overview

Media:	Pleated Nylon 6,6 membrane
Core, cage, end caps:	Polypropylene
Max. Temperature:	80°C
Available ratings:	0.1, 0.2, 0.45, 0.65µm
Steam sterilisation:	Yes
Hot water sanitisation:	Yes
Chemical sanitisation:	Yes
Autoclavable:	Yes

Material compliance

- FDA approved components
- USP Class VI-121°C Plastics Test
- Tested for extractables

Specifications

STERIPleat Nylon

Compatible Sanitary Filter Housings



STERALine PBT (316SS)

Sanitary grade
Single or Multi Cartridge

Features

Media	Hydrophilic Nylon 6,6 Membrane
Microbial removal	Validated for bacterial removal
Log reduction value	>7
Integrity	Each unit is preflushed with ultra pure water and integrity tested
Traceability	Fully traceable to raw material lot numbers. Part number laser etched on filter end cap
Controlled manufacturing	Manufactured in clean room environment
Applications	Pharmaceuticals, fine chemicals, electronics, cosmetics

Specifications

Micron ratings	0.1, 0.2, 0.45, 0.65µm
Lengths	2", 5", 10", 20", 30", 40" (64, 125, 251, 510, 757, 1016mm)
Diameter	Standard cartridge: 68.50mm Junior cartridge: 56mm
Effective filtration area	0.65m ² per 254mm (10" module)

Construction

Filter membrane	Nylon 6,6
Support & drainage layer	Polypropylene
Core, cage & end fittings	Polypropylene (Optional reinforced PP end caps for sterilisation/sanitisation)
Gaskets & O-Rings	Ethylene Propylene, FEP encapsulated, Silicone, Viton, Nitrile, PTFE (DOE only)

Operating Temperature

Maximum continuous	80°C
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Sterilisation (With reinforced end cap option only)

Steam	121°C for 15mins (40 cycles)
Autoclave	121°C for 15mins (40 cycles)
Hot water	90°C for 30mins (0.2bar Δp max)

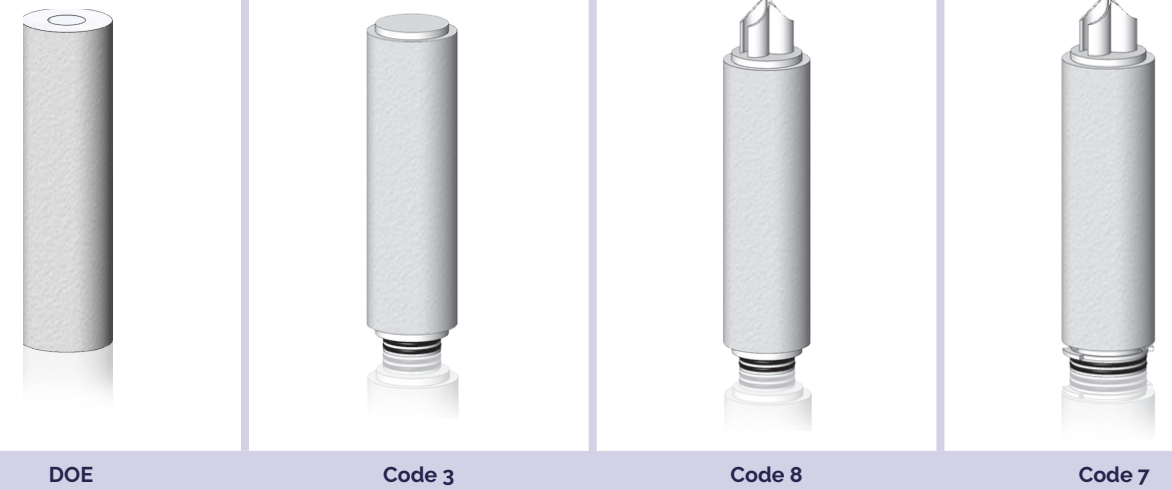
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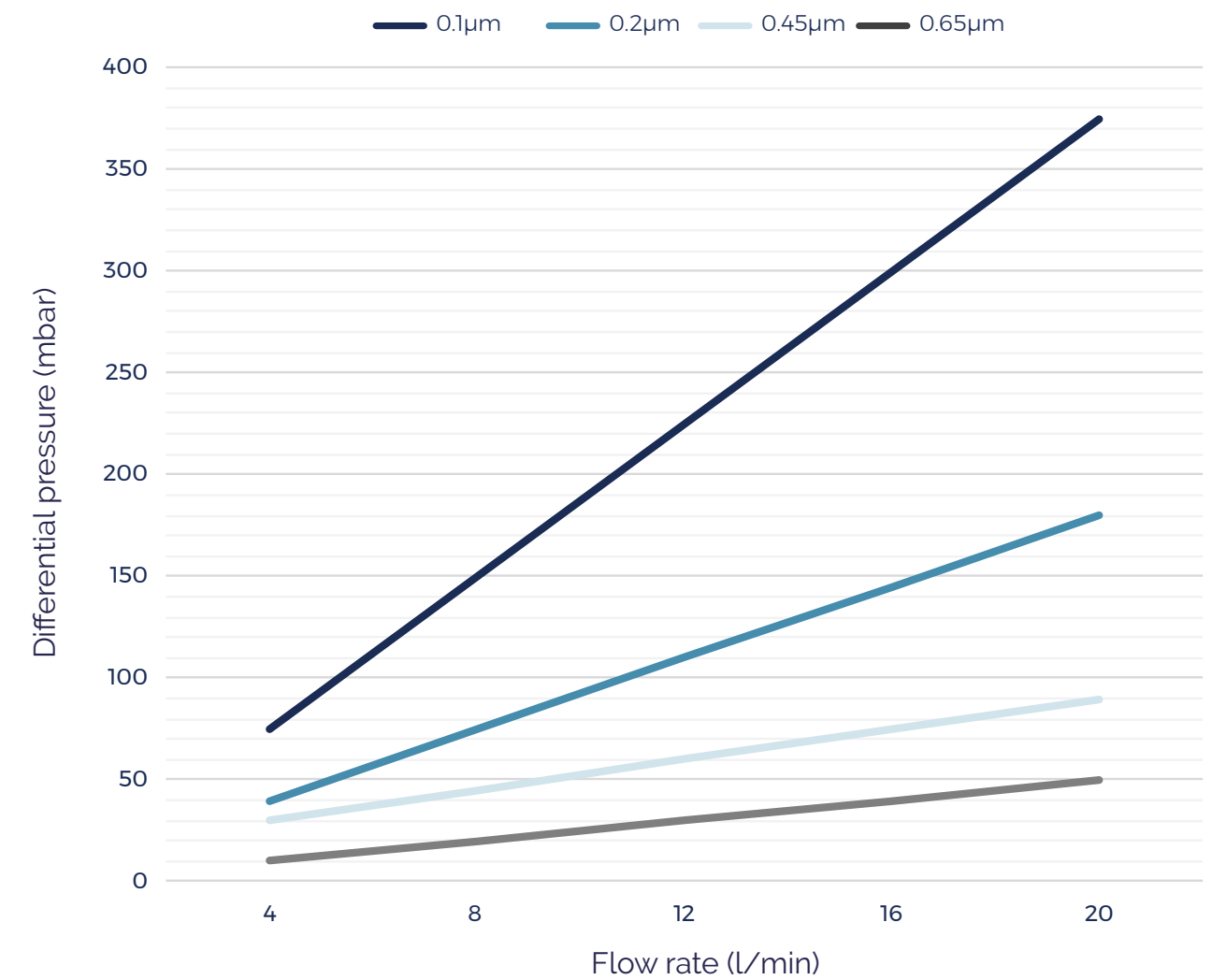
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End Caps



Flow curves

Clean water flow rates for a 10" STERIPleat Nylon filter cartridge*



*Lab test data. Please contact for specific application questions.

1-Model	Product Description
ST	STERIPleat
2-Code	Filtration Media
N(P)	Hydrophilic Nylon 6,6 Membrane (Integrity test grade)
3-Code	Micron Rating
0.1	0.1
0.2	0.2
0.45	0.45
0.65	0.65
4-Code	End Fitting
0	Double open end (DOE)
3	Code 3 (2 x 222/flat)
7	Code 7 (2 x 226/spear)
8	Code 8 (2 x 222/spear)
	Other end caps available on request
5-Code	Length
2	64mm
5	125mm
10	251mm
20	510mm
30	757mm
40	1016mm

6-Code	Seal Material
E	Ethylene Propylene
F	FEP encapsulated Silicone
S	Silicone
V	Viton
B	Nitrile
T	DOE PTFE
7-Code	Option
N	None
G	Reinforced end cap (Select this option for sanitisation, sterilisation, autoclaving)

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