

STERIPleat PTFE

PTFE Membrane Filter Cartridge

Used for
**sterile filtration
of gases.** Excellent
chemical compatibility

STERIPleat PTFE cartridges are used for sterile filtration of gases.

These cartridges also provide excellent chemical compatibility in solvent and aggressive chemical filtration applications.



Typical applications

- Food & beverage, Pharmaceutical, Chemicals
- CO₂ Lines
- Tank venting
- Solvent filtration
- Nitrogen
- Sterile air

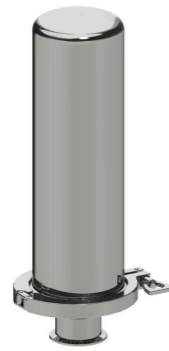
Specification overview

Media:	PTFE membrane
Core, cage, end caps:	Polypropylene
Max. Temperature:	Up to 80°C
Available ratings:	0.1, 0.2, 0.45, 1µm
Steam sterilisation:	Yes
Hot water sanitisation:	Yes
Chemical sanitisation:	Yes
Autoclavable:	Yes

Material compliance

- FDA approved components
- USP Class VI-121°C Plastics Test
- BSE/TSE

Compatible Sanitary Filter Housings



STERALine GT Gas Filter Housing

Sanitary grade
Pressurised gas lines

STERALine Vent Filter Housing

Sanitary grade
Atmospheric venting

Features

Media	Hydrophobic PTFE Membrane
Microbial removal	Validated for bacterial removal (P Grade = Integrity Test Grade only)
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	Food & beverage, Pharmaceutical, Chemicals
Applications	Food & beverage, pharmaceuticals, fine chemicals, electronics, cosmetics

Specifications

Media grades	S = Standard grade P = Integrity test grade
Micron ratings	S Grade = 0.1, 0.2, 0.45, 1µm P Grade = 0.1, 0.2µm
Available lengths	Standard cartridge: 5", 10", 20", 30", 40" (124/143, 256, 503, 750, 997mm) Junior cartridge: 2", 5" (64, 122mm)
Outer diameter	Standard cartridge: 68.50mm Junior cartridge: 56mm
Effective filtration area	Standard cartridge: 0.75m ² per 254mm (10" element) Junior cartridge: 0.25m ² per 122mm (5" element)

Construction

Filter membrane	Hydrophobic PTFE membrane
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	60°C (Short term use 80°C)
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Sterilisation (With reinforced end cap option only)

Steam or autoclave	135°C for 30mins (150 cycles)
Hot water sanitisation	90°C for 30mins

Recommended changeout differential pressure

Filter changeout differential pressure	2 – 2.5bar
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Material compliance

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	BSE/TSE

End Caps



DOE



Code 3



Code 8

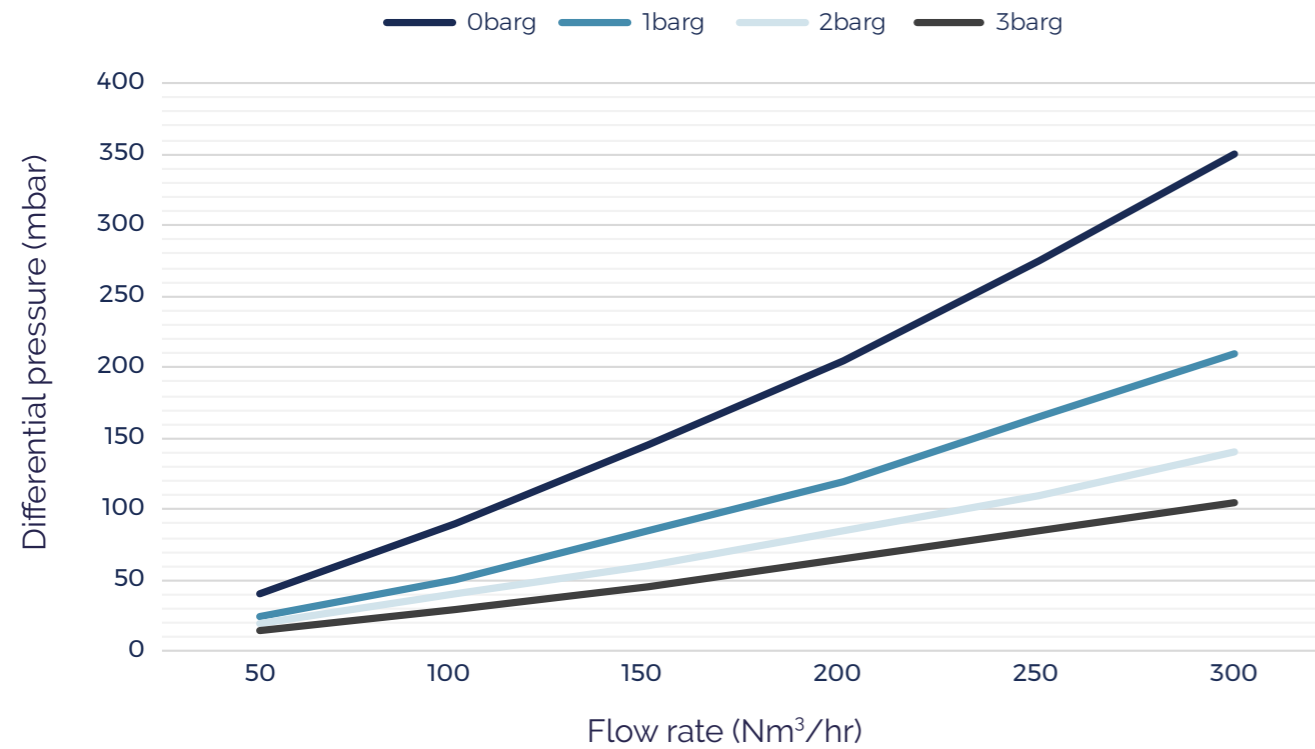


Code 7

Flow curves

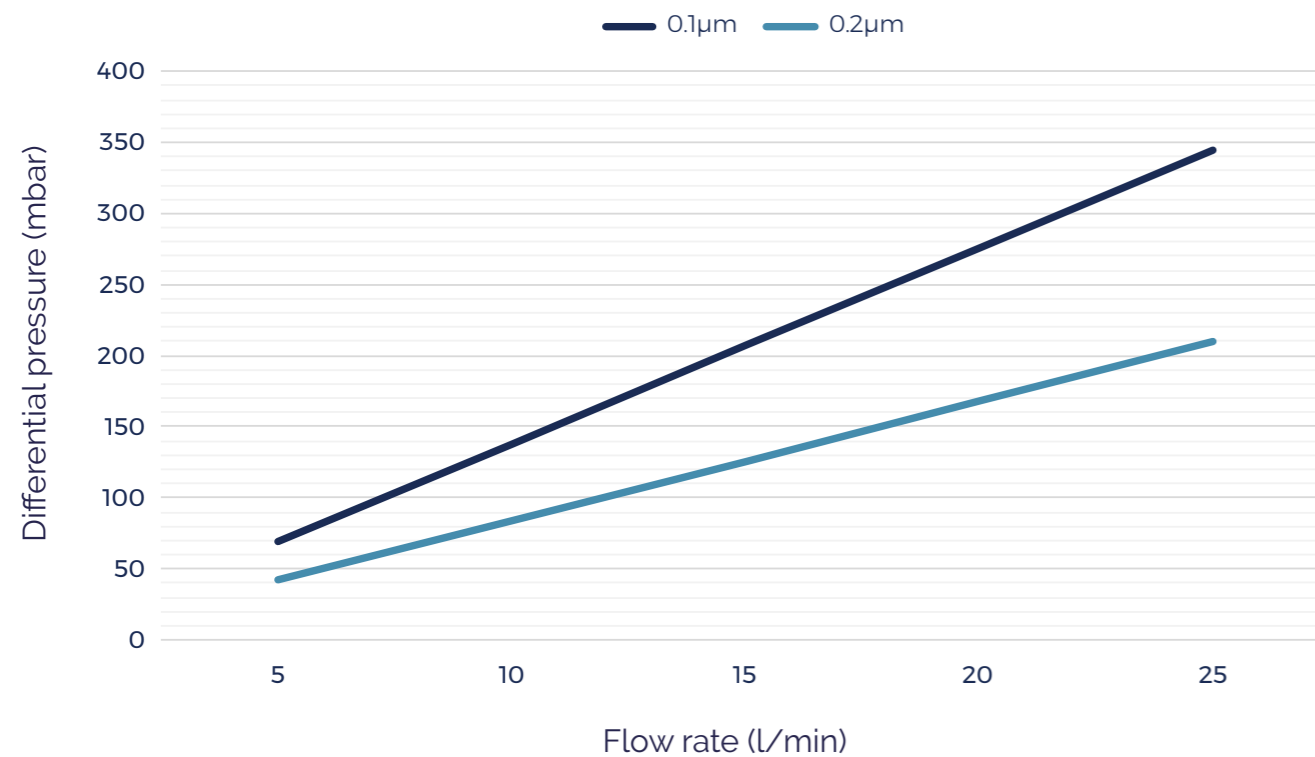
STERIPleat PTFE

Clean air flow rates for a 10" STERIPleat PTFE filter cartridge*



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

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



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

Model Code

STERIPleat PTFE

1-Model	Product Description
ST	STERIPleat
2-Code	Filtration Media
PTFE(S)	Hydrophobic PTFE Membrane (Standard grade)
PTFE(P)	Hydrophobic PTFE Membrane (Integrity test grade)
3-Code	Micron Rating
0.1	0.1
0.2	0.2
0.45	0.45 (Available on standard grade media only)
1	1 (Available on standard grade media only)
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)
J	Junior
	Other end caps available on request

5-Code	Length
2J	Junior 64mm
5J	Junior 122mm
5	143mm (0.2µm only, all other micron ratings 124mm)
10	256mm
20	503mm
30	750mm
40	997mm
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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