

STERIpleat TEFLOUR

PTFE Membrane in PFA hardware

PTFE membrane in chemically resistant PFA hardware for chemical/high temperature applications.

STERIpleat TEFLOUR elements provide outstanding chemical resistance in aggressive liquids and gases.

These filter elements feature a PTFE membrane and PFA hardware for applications in pharmaceutical, electronics, food and fine chemicals industry.

Typical Applications

- Sterile venting
- Organic solvents
- Photoresists, acids, etch solutions

Specification overview

Filter media	PTFE membrane
Membrane support	PFA
Core, cage, end caps	PFA

Validation and material compliance

- Materials meet FDA, Title 21 requirements
- BSE/TSE
- Tested for Endotoxins, conductivity & TOC



Features

Applications	Photoresists, ozonated water, sterile venting, solvents, acids, etch solutions
Controlled manufacturing	Manufactured in clean room environment
Construction	Full fluoropolymer
Traceability	Identification mark and batch number

Specifications

Micron ratings	0.05, 0.1, 0.2, 0.45, 1, 3, 5, 10 µm
Available lengths	5", 10", 20", 30", 40" (100, 250, 500, 750, 1000mm)
Outer diameter	68mm
Effective filtration area	0.7m ² per 10" (250mm) element

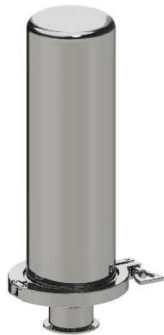
Construction

Filter media	PTFE membrane
Membrane support	PFA
Core, cage, end caps	PFA

Operating conditions

Max. operating temperature	170°C
Max. differential pressure	5.0 bar @ 20°C (Short term use only)
	4.0 bar @ 50°C (Short term use only)
	3.0 bar @ 110°C (Short term use only)
	1.5 bar @ 170°C
Recommended change-out differential pressure	2.5 bar

Compatible Filter Housings



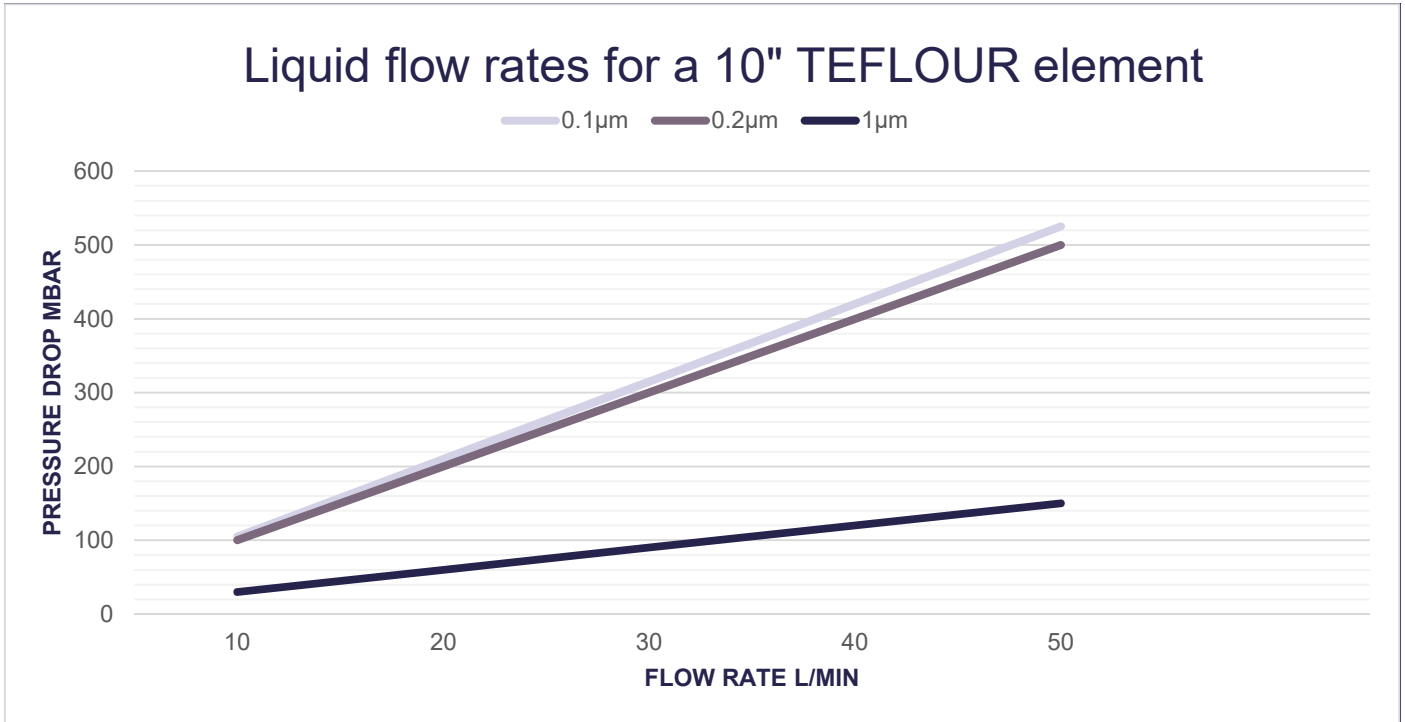
**STERALine Vent Filter Housing
(Atmospheric venting)**



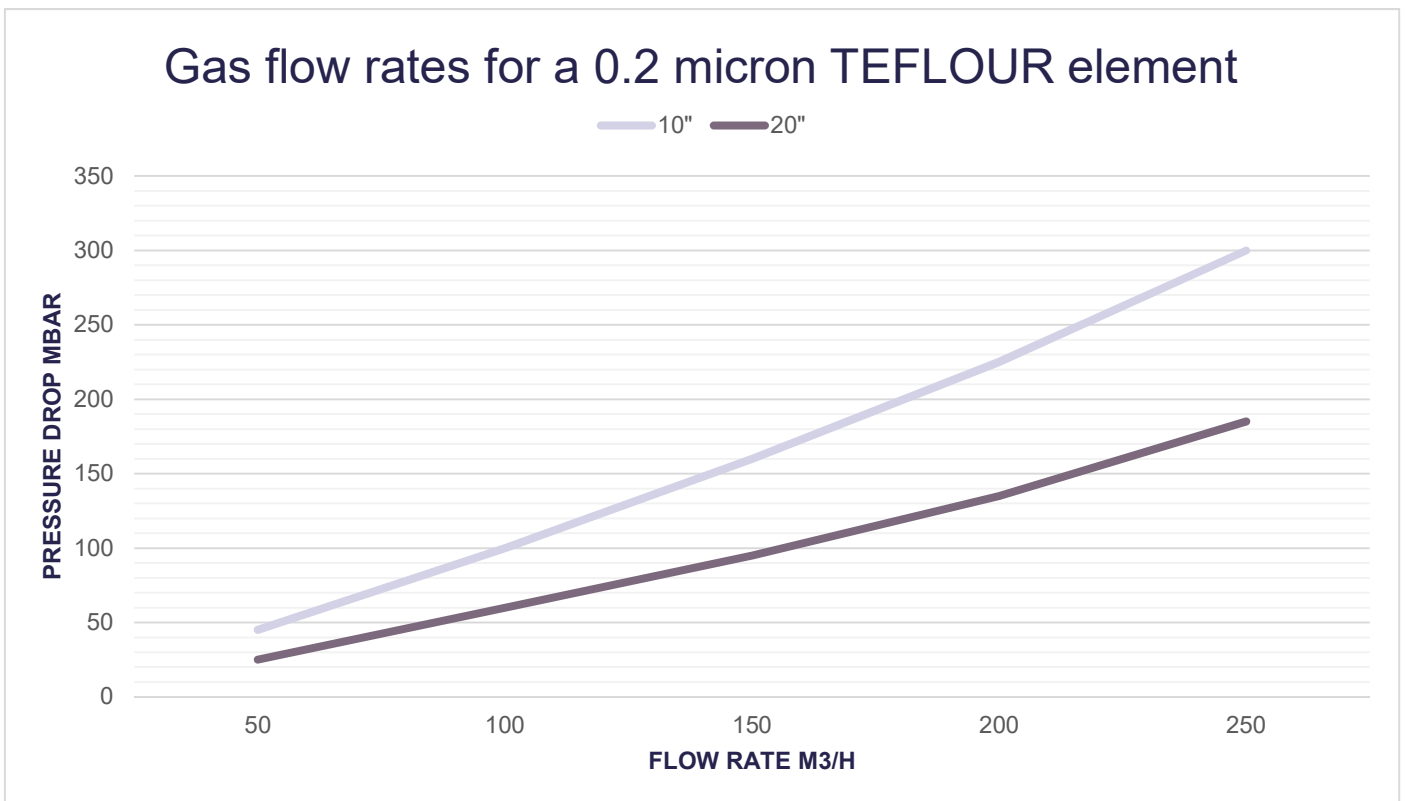
STERALine GT Gas filter housing



STERALine PBT Liquid filter housing



10" long filters were tested using IPA at 21°C. Typical pressure drop values obtained from the tests, with the housing pressure drop deducted,



0.2µ filters were tested using air at 20°C & 0 bar gauge. Typical pressure drop values obtained from the tests, with the housing pressure drop deducted.

Model code

STERIPleat TEFLOUR

1- Model	Product Description
ST	STERIPleat TEFLOUR
2- Code	Filtration Media
TF(S)	PTFE Membrane (Standard Grade)
3- Code	Micron rating
0.05	0.05
0.1	0.1
0.2	0.2
0.45	0.45
1	1
3	3
5	5
10	10
4- Code	End Fitting
2	Code 2 (2 x 226/no spear)
3	Code 3 (2 x 222/flat)

5- Code	Length
5	100 mm
10	250 mm
20	500 mm
30	750 mm
40	1000 mm
6- Code	Seal Material
V	Viton
F	FEP encapsulated Silicone
G	FEP encapsulated Viton

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