

PTFE Membrane Cartridge Filter AseptiSure- CPTF

mdi PTFE Membrane Cartridge Filters AseptiSure- CPTF are hydrophobic filters offering absolute retention. These filters are useful for sterilizing filtration of gases as well as aggressive solvents and liquids. The high quality of membrane and design of cartridge assures long life and ability to withstand adverse process conditions experienced during use.

mdi AseptiSure- CPTF filters are validated for key performance parameters such as retention efficiency, chemical compatibility, extractable, heat stability, flow rates, blow through and ability to withstand accidental reverse pressure. These are available in a variety of pore sizes to suit specific microfiltration needs in critical and specialized process applications for air as well as liquid.

Special Features

- ◆ Absolute retention
- ◆ Essentially hydrophobic
- ◆ High heat stability
- ◆ Wide chemical compatibility
- ◆ Heat sealed
- ◆ No leaching
- ◆ 100% Integrity tested
- ◆ Total traceability: Unique marking on each filter

Material of Construction

Core and Sleeve : Polypropylene

Filter Medium : PTFE Membrane

Support Layers : Polypropylene

Microbially Validated as per
ASTM F 838-05

Complies with
USFDA 21 CFR 211.72

Meets and Exceeds
USFDA 21 CFR 177.1520



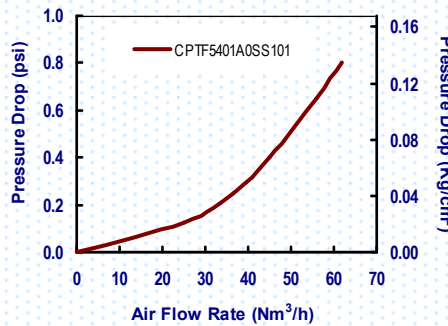
Application

- ◆ Fermentors venting and aeration
- ◆ Sterile filtration of API and injectables
- ◆ Sterile compressed air for pharma machineries
- ◆ Sterile air for dry powder injectables filling

Integrity Test Data (70% IPA)

Pore Size	Bubble Point
0.2 µm	≥ 22 psi (≥ 1.54 Kg/cm ²)

Air Flow Rate



Specification

Membrane
PTFE

Pore Size
0.2 µm

Wettability
Hydrophobic

Sterilization
100 autoclave/steam sterilization cycles of 30 minutes at 121°C

Maximum Operating Pressure
3.5Kg/cm² @ 25°C

Maximum Operating Temperature
80°C @ < 2Kg/cm²

Retention Efficiency
0.2µm: LRV > 7 for *B. diminuta* as per ASTM F838-05

Biosafety
Passes the Biological tests for Class VI plastics as per USP

Extractables with Water
Within limits specified in USP

Oxidizable Matter
Passes test as per USP

Fiber Release
Passes test as per USP

Ordering Information:

Type	Size		Pore Size		Adaptor		Elastomer		Sterility		Pack Size		
	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code	Code		
CPTF	CPTF	10"	54	0.2 µm	01	7P	A0	Silicone	SS	Non Sterile	1	1	01
		20"	55			BEO	B0	Viton	SV				
		30"	56			28	C0	EPDM	SE				
		'O'	D0			PTFE	ST						

EXAMPLE: CPTF 54 01 A0 SS 1 01