

PoreCap® PTFE Capsule Filters



The PoreCap® series of Hydrophobic PTFE (Polytetrafluoroethylene) capsule filters are developed for sterile filtration of gases/air and provide high purity to meet filtration requirements of biopharmaceutical and pharmaceutical processing. They are made of absolute rated hydrophobic PTFE membrane and offer fast air flow with excellent throughput. Each filter is integrity & flow rate tested and validated for heat Stability, fibre particle release, extractables and biosafety. They are ensured for microbial retention efficiency with bacterial challenge test as per ASTM F838-05 to provide sterility assurance for critical venting applications.

Special Features & Benefits

- ✓ High flow rate and heat stability
- ✓ 100% integrity tested and validated
- ✓ Sterilizing grade performance
- ✓ 100% Traceability
- ✓ Broad chemical compatibility across pH scale 1 to 14

Key Applications

- Autoclave venting
- Ideal for use with reactive and corrosive solutions
- Nitrogen blanketening in sterile API
- Sterile compressed air for pharma machinery & tools
- Bioreactors (inlet/outlet)
- Autoclave venting
- Sterile airing for dry powder injectable filling
- Sterile filtration of API and injectables

Our PoreCap® Capsule filters are quality assured for retention efficiency, integrity test and flow rate and validated for Heat Stability, Beta ratio test, fiber particle release, extractables and biosafety

In Compliance with Global Standards

Bacterial Endotoxin	<i>The filtrate/Aqueous extraction from downstream of the filter exhibited endotoxin result < 0.25 EU/mL when tested as per USP <85> methodology</i>
Oxidizable Substances	<i>Oxidizable matter in filtered water meets the USP <1231> Oxidizable Substance Test requirements</i>
Non-fiber Releasing	<i>Meets the criteria for a "non-fiber releasing" filter as defined in 21 CFR 210.3(b)(6).</i>
Particle Shedding	<i>Meets Cleanliness per USP <788> for Particulates in Injectables</i>
Extractable with water	<i>Extractable passes within limit as specified by USP <661></i>
TOC/ Conductivity	<i>Meets the USP <643> for Total Organic Carbon Meets the USP <645> for Water Conductivity</i>

- Manufactured in an ISO Class 8 Cleanroom Environment
- Complete Qualification Guide Available
- Critical raw material used for manufacturing are Compliant with FDA Indirect Food Additive requirements cited in 21 CFR 177.1520 & 21 CFR 177.2440
- Comply with USP <88> Reactivity Test for Class VI plastics
- Wide Chemical Compatibility
- 100% Integrity Tested

TECHNICAL SPECIFICATIONS

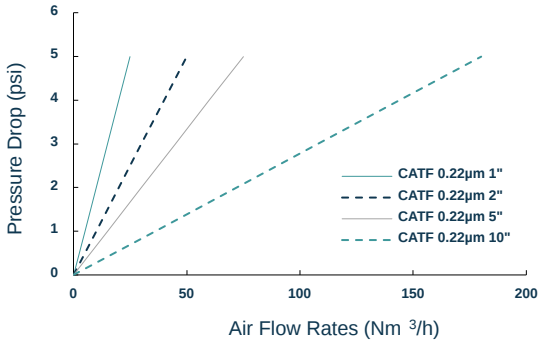


CONSTRUCTION MATERIALS

Filter Media: Hydrophobic PTFE

Supporting Media: Polyester

Core & Cage: Polypropylene



MAXIMUM OPERATING DIFFERENTIAL PRESSURE AND TEMPERATURE

Max Temp 80 °C @ ≤ 2 Kg/cm²

Max Pressure 4100 mbar (60 psi) @ 30 °C

Autoclavable 50 autoclave cycles of 30 minutes at 121 °C

INTEGRITY TEST DATA

Bubble Point:

0.22µm: ≥ 1380 mbar (20 psi)
(with 70% IPA/ water wetted)

0.45µm: ≥ 690 mbar (10 psi)
(with 70% IPA/ water wetted)

Max Air Diffusion Flow:

0.22µm: ≤ 40 mL/min @ 1104 mbar (16 psi)
(with 70% IPA/ water wetted)

0.45µm: ≤ 40 mL/min @ 552 mbar (8 psi)
(with 70% IPA/ water wetted)

Microbial Retention:

0.22µm: LRV > 7 for *Brevundimonas Diminuta*

0.45µm: LRV > 7 for *Serratia marcescens*

ORDERING INFORMATION CODES:

Type		Size			Pore Size		I/O Connection		Bell	
Type	Code	Length	EFA	Code	Micron	Code	Connection	Code		Code
PTFE Capsule Filter	CATF	1"	0.02m ²	A	0.22 µm	020	1/4" SHB	01	Yes	BY
		2"	0.05m ²	B	0.45 µm	045	1/4" MNPT	02	No	BN
		5"	0.10m ²	C			1/4" BSP	03		
		8"	0.20m ²	D			1/4" BSP (O-ring)	04		
		10"	0.60m ²	E			1/2" MNPT	05		
							1/2" Hose barb	06		
							1.5" Sanitary Flange	07		
							3/4" Sanitary Flange	08		
							Quick connector	09		
							1/2" Single step hose barb	10		

Sterilization	
	Code
ETO	SE
Non-sterile	SN

EXAMPLE: CATFA0200101BYSN



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