

TefloGas[®] Filter Cartridges

Hydrophobic PTFE Membrane · Sterile Gas Filter

TefloGas[®] Filter Cartridges are composed of a hydrophobic PTFE membrane and a thick thermal-resistance polypropylene core. They are characterized by a high filtration area and non-metallic ion release and are easy to clean when compared to filters with a stainless steel core. As a result, they are highly recommended for air and gas sterile filtration of biological liquids and fermentation and pharmaceutical industries.

Features and Benefits

- Inherently hydrophobic
- Exceptionally high flow rates with low pressure drops

Quality Standards

- Integrity Test correlates to ASTM F838-05 Bacterial Challenge Test (BCT)
- Each filter is individually Integrity Tested (including Water Intrusion Test) prior to leaving the factory
- Each filter is Fully Traceable with a unique serial number
- Designed, developed and manufactured in compliance with ISO9001
- Full Regulatory Compliance with the following:
 - 21CFR.210.3(b)(5)(6), 211.72 for Non-Fiber Release
 - Endotoxins: <0.25EU/ml/10inch filter
 - USP <88> Plastic Class VI-121°C
 - FDA 21 CFR177-182 & EU 1935/2004/EC

Typical Applications

- Aseptic Packaging
- Compressed Air and Nitrogen Gas Sterilization
- Corrosive Gases Sterilization
- Vent Filtration



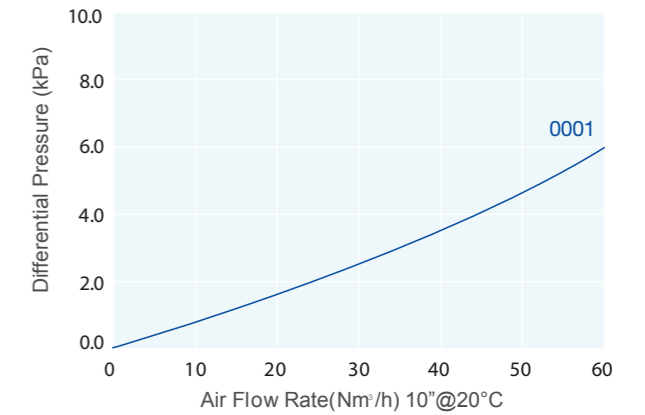
Materials of Construction

Filter Media	Hydrophobic PTFE Membrane
Support	Polypropylene
Core/Cage/End Caps	Polypropylene

Operating Conditions

Maximum Temperature	80°C
Max.Differential Pressure	5.0 bar / 21°C (forward) 2.4 bar / 80°C (forward)
Effective Filtration Area	0.75m ² / Φ 69-10 inch

Flow Rate Characteristics



Sterilization

In-line Steam Sterilization	up to 100 forward cycles (145°C for 30min at 30kPa for every cycle)
Autoclave	up to 400 cycles (130°C for 30min for every cycle)

Integrity Test Data

Bubble Point	BP : ≥0.11Mpa (60%/40%IPA/Water), 0.01µm
Diffusion Flow	DF : ≤16ml/min/10"cartridge@80KPa(60%/40%IPA/Water), 0.01µm
Water Intrusion Test	WFT : ≤0.38ml/min/10"cartridge@0.25MPa,0.01µm

Ordering Information

GPF-P	Removal Ratings	End Cap	Nominal Length	Seal Material	-P
	0001=0.01 µm	HSF=226 /Fin (PBT Insert)	05=5"	S=Silicone	
	0022=0.22 µm	HSC=226 /Flat (PBT Insert)	10=10"	E=EPDM	
		HTF=222 /Fin (PBT Insert)	20=20"	V=Viton	
		HTC=222 /Flat (PBT Insert)	30=30"	P=FEP Encapsulated Viton	
		DOE=Double Open End	40=40"		

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