

## 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



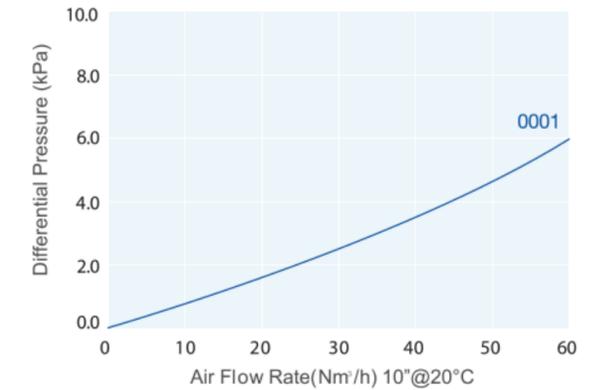
### Materials of Construction

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

### Operating Conditions

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

### Flow Rate Characteristics



### Sterilization

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

### Integrity Test Data

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