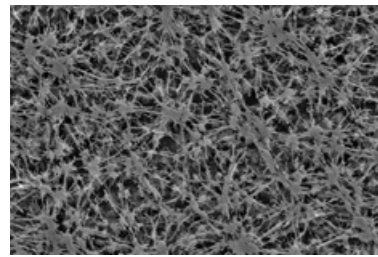


TefloGas® Filter Cartridges

Hydrophobic PTFE Membrane · Sterilizing Grade

Cobetter **TefloGas®** filter cartridges, manufactured with hydrophobic PTFE membranes, and specially designed for the removal of micro-organisms and particles from air and gases. Due to their permanent hydrophobicity, **TefloGas®** offers the highest process security, even with high volume gas streams, extreme humidity and stringent in-line steam sterilizations.



Features and Benefits

- Inherently hydrophobic.
- Exceptionally high flow rates with and low pressure drops.
- Steam sterilisable up to 150 cycles at 121°C.
- Integrity testable by all methods including Water Intrusion Test.
- Absolute rated filtration.

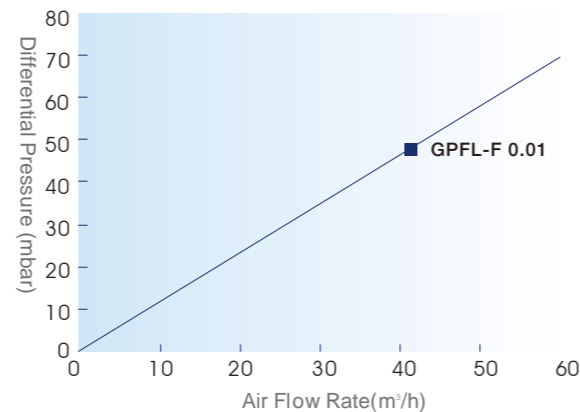
Flow Rate Characteristics

Air Flow Rate(m ³ /h)	Differential Pressure (mbar)
	GFPL-F 0.01
10	9.5
20	19.8
30	30.9
40	42.8
50	55.5
60	69.0

Test Criteria: Single length (254mm) Cartridge, air @20°C.



**Sterile Gas & Vent
Validated Bacteria Retention**



Materials of Construction

Filter Media	Hydrophobic PTFE
Support Layer	Polypropylene
Cage	Polypropylene
Core	Polypropylene / 304 stainless steel
End Caps	Polypropylene
Internal Adaptor Reinforcing Ring	PBT (Polybutylene terephthalate) /304 Stainless Steel

Operating Conditions

Max. Differential Pressure	72.5psi(5bar)/21°C 34.8psi(2.4bar)/80°C
Steamingsterilize	121°C/30min up to 150 cycles
Max. Operating Temperature	80°C

Effective Filtration Area

1.1 m² / Φ71-10 inch

Ordering Infomation

GPFL	Core Material	Removal	End Cap	Nominal Length	Seal Material	-F
[Φ71]	P=polypropylene None=SS304	0001=0.01 μm 0022=0.22 μm	DOE=Double Open End HTC=222 /Flat (PBT Insert) HTF=222 /Fin (PBT Insert) HSF=226 /Fin (PBT Insert) STF=222 /Fin (SS304 Insert) SSF=226 /Fin (SS304 Insert)	05= 5" 10=10" 20=20" 30=30" 40=40"	S=Silicone E=EPDM V=Viton	

Integrity Testing

All cartridges are integrity tested by the aerosol challenge test methods with **VALAIR DATA II**.
Diffusional Flow <16 ml/min at 0.8bar(11.6psi).
Water intrusion <1.35ml/min.
Values are for cartridges wetted with 60/40 IPA/Water.

Steam Sterilisation

71-GPF cartridges can be repeatedly in situ steam sterilised for up to 150 cycles at 121°C,30min at a maximum differential pressure of 0.5 bar.

Validation

71-GPF cartridges have been fully validated as sterilising grade filter cartridges, for compressed air and gas applications. It passed the DOP test with DH Valairdata II.

Food and Biological Safety

Extractables	< 30mg per 10 inch
Endotoxins	< 0.25 EU/mL

Meet the requirements for food contact in European Regulation (EC) number 1935/2004