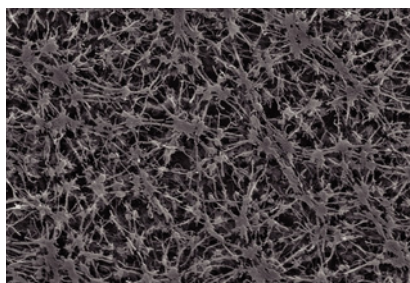




TecoGas® Filter Cartridges

Hydrophobic PTFE Membrane · Sterilizing Grade

Cobetter TecoGas® Filter Cartridges are composed of a hydrophobic PTFE membrane and a specially designed unique thermal-resistant polypropylene core. They are characterized by a high filtration area, non-metallic ion release, and are easy to clean. Each filter is individually Integrity Tested to ensure microbiological safety. They are highly recommended for all air and gas sterilizing grade applications in food and beverage, e.g. fermentation processes.



Features and Benefits

- Inherent hydrophobic PTFE membrane
Exceptionally high flow rates with low pressure drops
- Large Filtration Area up to 1.05m²
Each filter is individually Integrity Tested including Water
- Intrusion Test
Complies with Food Contact Regulations: FDA
21CFR177-182 and 1935/2004 EC

Materials of Construction

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



Sterile Gas & Vent
Validated Bacteria Retention

Trap/Pre-Filtration
Microbiological Stabilization

Gas Filtration

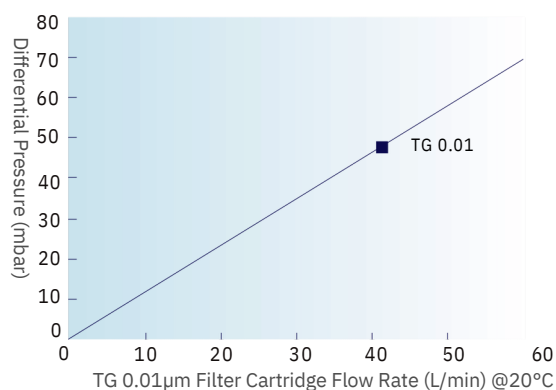
Additional Filters



Operating Conditions

Max. Temperature	80°C 5bar / 21°C (forward ow) 2.4bar /
Max. Differential Pressure	80°C (forward ow) BP: >1100mbar, 0.01µm DF: <16 ml/min/10" @ 800mbar,
Bubble Point	0.01µm < 0.38 ml/min/10" @2500mbar,
Diffusion Flow	0.01µm
Water Flow Test	≥400 cycles
Steam Sterilization (Saturated Steam)	(145°C/30min @ Max. Differential Pressure of 0.3bar)
Hot Water Sterilization	121°C /30min up to 150 cycles

Flow Rate Characteristics



Air Flow Rate(m ³ /h)	Differential Pressure (mbar)
TG 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.

Ordering Information

TG	Core Material	Removal	End Cap	Nominal Length	Seal Material	-F
[Φ71]	P=Polypropylene	0001=0.01 µm	DO =Double Open End	=222 O- 05= 5"	S=Silicone	
	N o n e =SS304	0022=0.22 µm	E ring/Flat (PBT Insert)	=222 O- 10=10"	E=EPDM	
			HTC ring/Fin (PBT Insert)	=226 O- 20=20"	V=Viton	
			HTF ring/Fin (PBT Insert)	=226 O- 30=30"		
			HSF ring/Fin (SS Insert)	=226 O- 40=40"		
			SSF ring/Flat (SS Insert)	=222 O-		
			SSC ring/Fin (SS Insert, 3 Tabs)			
			STF			