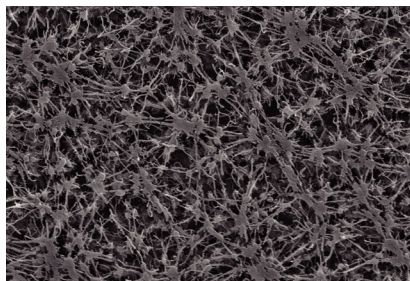


# TefloGas® Filter Cartridges

Hydrophobic PTFE Membrane · Sterilizing Grade

Cobetter **TefloGas®** 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.



Trap/Pre-Filtration

Microbiological Stabilization

Gas Filtration

Additional Filters

## Features and Benefits

- Inherent hydrophobic PTFE membrane
- Exceptionally high flow rates with low pressure drops
- Large Filtration Area up to 1.05m<sup>2</sup>
- 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

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

Sterile Gas & Vent  
Validated Bacteria Retention

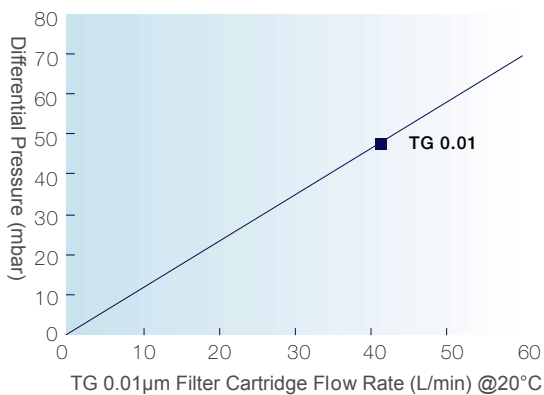




## Operating Conditions

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

## Flow Rate Characteristics



Air Flow Rate(m <sup>3</sup> /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

<b>TG</b>	Core Material	Removal	End Cap	Nominal Length	Seal Material	<b>-F</b>
[Φ71]	<b>P</b> =Polypropylene <b>None</b> =SS304	<b>0001</b> =0.01 µm <b>0022</b> =0.22 µm	<b>DOE</b> =Double Open End <b>HTC</b> =222 O-ring/Flat (PBT Insert) <b>HTF</b> =222 O-ring/Fin (PBT Insert) <b>HSF</b> =226 O-ring/Fin (PBT Insert) <b>SSF</b> =226 O-ring/Fin (SS Insert) <b>SSC</b> =226 O-ring/Flat (SS Insert) <b>STF</b> =222 O-ring/Fin (SS Insert, 3 Tabs)	<b>05</b> = 5" <b>10</b> =10" <b>20</b> =20" <b>30</b> =30" <b>40</b> =40"	<b>S</b> =Silicone <b>E</b> =EPDM <b>V</b> =Viton	