

CTL Type

(Hydrophobic PTFE Membrane)

The CERTAIN-PORE Series cartridge Filter CTL type is a filter for gas sterilization using a hydrophobic PTFE (tetrafluoroethylene) membrane. The CTL cartridge is excellent in heat resistance. It is a product that you can use with confidence without damage

Features

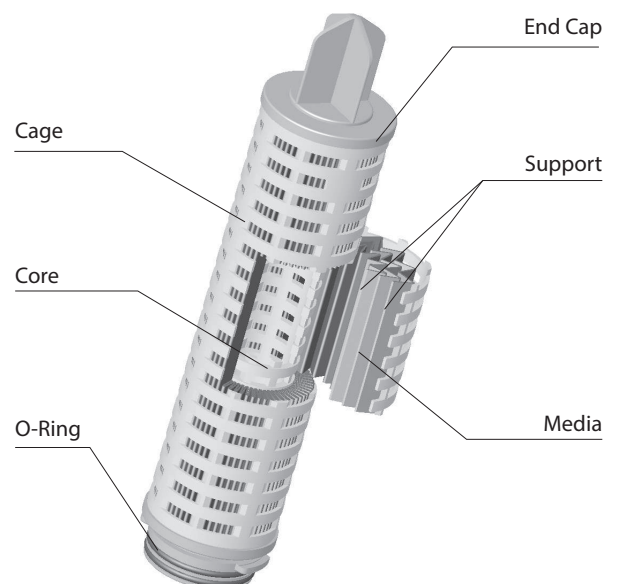
- The CTL cartridge has verification data on sterilization performance in a bacteria challenge test using *Brevundimonas diminuta* (ATCC19146) as an indicator.
- The CTL cartridge can withstand the high temperatures of steam sterilization.
- We perform integrity tests on all products.
- The CTL cartridge is managed by lot number and serial number for accurate traceability.



Major Applications

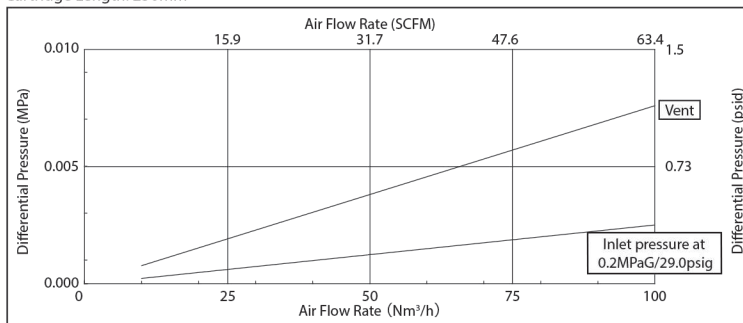
- Tank vent filter
- Compressed air
- Various gases

Materials of Construction



Differential Pressure vs Flow Rate

Fluid: Air 20°C
Cartridge Length: 250mm



※The data do not include piping pressure drop.

*The above data are based on our test condition, and are not guaranteed value.

Bacteria Challenge Test

Grade	Biological Indicator	LRV
Liquid	Brevundimonas diminuta	>11
Aerosol	Brevundimonas diminuta	>11

Particle Removal Efficiency (gas)

0.003μm : >99.999%

※NaCl (>0.003μm) CNC particle analysis.

Ordering Information

250 L - CTL - 002

J

7

B

[Nominal Length]
125 = 125mm
250 = 250mm
500 = 500mm
750 = 750mm

[Product Type]

[Micron Rating]
002 = 0.2μm

[O-Ring]
J = Silicone

[End Cap Code]
6 = 2-222 O-Ring
7 = 2-226 O-Ring+Fin

[Packaging Code]
A = 1pc
B = 6pcs
C = 10pcs
F = 25pcs

Specification

Product Type	CTL	
Grade	002	
Micron Rating (μm)	Liquid:0.2μm, Gas:0.003μm	
E.F.A. (m²/250L)	0.80	
Dimensions	Length (mm)	125 / 250 / 500 / 750
	O.D. (mm)	70.0
	I. D. (mm)	30.0
Materials Media	Media	Hydrophobic PTFE Membrane
	Support	Polypropylene
	Core	Polypropylene
	Cage	Polypropylene
	End Cap	Polypropylene
	Gasket/O-Ring	Silicone
Maximum ΔP at 40°C (104°F)	0.53MPa (76.9psi)	
Applicable Sterilization	In-Line-Steam Sterilization / Autoclave	
In-line steam sterilization	142°C (287.6°F)×30min×250cycles (Positive pressure:200cycles, Back pressure:50cycles)	
Adaptable Food Sanitation Standard	All raw materials meet the requirement of FDA 21 CFR, USP Class VI	

The products are manufactured under control by the quality management system registered as conforming to the ISO9001 standard.



Scope: Manufacture of Filter cartridges

※If you need further information on specifications (length, end cap type, etc.), please contact us.

End Cap Code



*The contents of the catalog is subject to change without notice.



Distribuidor Oficial España | Avenida Cerdanyola, 92-94 Local B4 | 08173 - Sant Cugat del Vallès - Barcelona
Tel: 935921554 | Email: comercial@gesfilter.com | www.gesfilter.com