

CTL Type (Hydrophobic PTFE)

Halal certified products



Major Applications

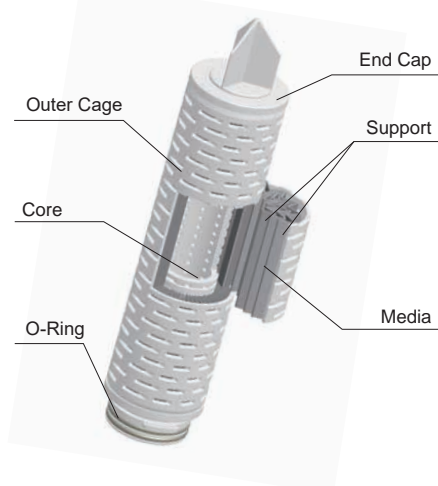
- Tank vent filter
- Compressed air
- Various gases



Features & Benefits

- **Sterilization performance validation data acquired**
 - Bacteria challenge test using *Brevundimonas diminuta* (ATCC 19146) in liquid and aerosol
- **100% integrity test by diffusion flow test**
- **High durability**
 - Excellent durability for repeated high temperature inline steam sterilization
 - 142°C (287.6°F)×30min×250cycles (Positive pressure:200cycles, Back pressure:50cycles)
- **Traceable by lot number and serial number**

Materials of Construction

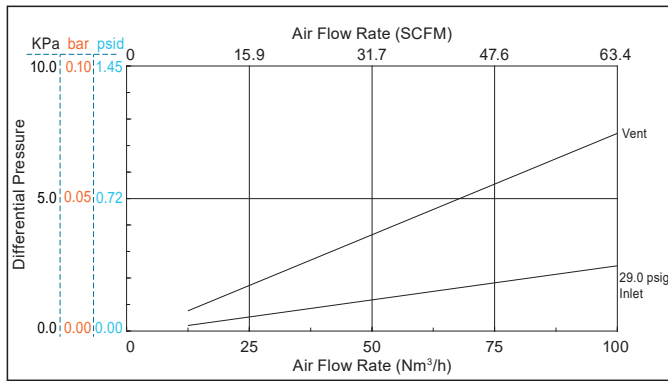


Specification

Product Type		CTL
Micron Rating (µm)		Liquid:0.2µm, Gas:0.003µm
E.F.A. (m ² / 250mm)		0.81
Dimensions	O.D. (mm)	70.0
	I. D. (mm)	29.5
Materials	Media	Hydrophobic PTFE Membrane
	Support	Polypropylene
	Core, Outer Cage, End Cap	Polypropylene
Maximum ΔP at 40°C (104°F)		0.53MPa (5.3bar, 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

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

Flow Rate *1



Fluid: Air (20°C (68°F)) Cartridge Length: 250mm
 * The data does not include piping pressure drop.

Bacteria Challenge Test *1

	Biological Indicator	LRV*
Liquid	<i>Brevundimonas diminuta</i>	>11
Aerosol	<i>Brevundimonas diminuta</i>	>11

*LRV stands for log reduction value. (Refers to JIS K3835)

Particle Removal Efficiency (Gas) *1

0.003μm : >99.999%

* NaCl (>0.003μm) CNC particle analysis.

Continuous use period for operating temperature *1

60°C (140°F) hot air 12 months

80°C (176°F) humid air 6 months

*1 Each data is representative value based on our specific test condition. It is not guaranteed value.

Ordering Information

2 5 0 L - C T L - H 0 0 2 J 7 B

- 2 5 0** [Nominal Length]
 125 = 125mm
 250 = 250mm
 500 = 500mm
 750 = 750mm
- L - C T L** [Product Type]
- H 0 0 2** [Micron Rating]
 002 = 0.2μm
- J** [O-Ring]
 J = Silicone
- 7** [End Cap Code]
 6 = 2-226 O-Ring
 7 = 2-226 O-Ring + Fin
 8 = 2-226 O-Ring + Fin
- B** [Packaging Code]
 A = 1pc
 B = 6pcs
 C = 10pcs
 F = 25pcs

End Cap Code



Manufacturing is based on our Quality Management Systems that meet ISO9001 standards.



Scope: Design, Development, manufacture, and sales of filter cartridges, housings and filtration equipment.



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