


CERTAIN-PORE
CTL Type
Major Applications
Gas filtration and sterilization
**Example: Tank vent,
Fermentation air, CO₂ gas,
Positive pressure air, N₂ gas,**
Halal Certified

Halal certification is a system whereby a certification body conducts an audit of the product in question and certifies that it has been produced and supplied in accordance with Islam.


Quality standards

- **Adaptable Food Sanitation Standard**
 - FDA 21CFR
 - EC No.1935/2004, EU No.10/2011
- **Heat sterilization durability**
 - 142°C (287.6°F) x 30 minutes x 250 cycles
 - Positive pressure: 200 cycles,
 - Back pressure : 50 cycles
- **Integrity tested by diffusion test**
- **Traceability by lot number**

Features

- **Bacterial challenge test with**
Brevundimonas diminuta (ATCC 19146)
in liquid and aerosol
- **Hydrophobic PTFE membranes with**
low pressure drop and high airflow
- **Use of highly durable materials with**
less heat damage

Advantages

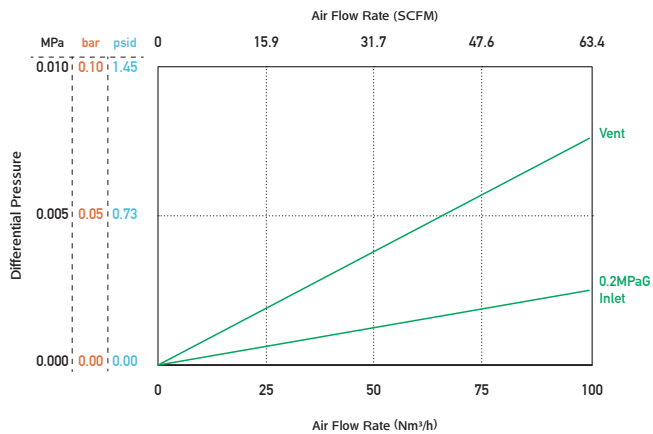
- **Gases can be filtered and sterilized.**
- **High air supply efficiency**
- **Can be used repeatedly for**
high temperature inline steam
- **Can be used for a long time in**
a high temperature environment

Specifications

Grades	002
Micron Ratings	liquid: 0.2 μm, gas: 0.003 μm
E.F.A.	0.81m ² /250mm
Media	Hydrophobic PTFE Membrane
Materials	Polypropylene
Core/Cage/Support	Polypropylene
End Cap	Polypropylene
Maximum ΔP	0.53MPa at 40°C (76.9psi at 104°F)
Length	125 / 250 / 500 / 750 mm
Dimensions	O.D.
	70.0mm
	I.D.
	29.5mm
Available sterilization methods	Inline steam, Autoclave
Inline steam sterilization	142°C (287.6°F) x 30 minutes x Positive pressure: 200 cycles, Back pressure: 50 cycles

Differential Pressure vs Flow Rate

Fluid: Air / Cartridge Length: 250mm



Particle Removal Efficiency

0.003 μm : >99.999% (gas)

* NaCl (>0.003 μm) CNC particle analysis.

Microbial removal performance

	Biological Indicator	LRV*
Liquid	<i>Brevundimonas diminuta</i> (ATCC 19146)	>7
Aerosol	<i>Brevundimonas diminuta</i> (ATCC 19146)	>7

*LRV represents Log Reduction Value (Refer to JIS K3835)

*Bacterial challenge level is more than 1×10^7 CFU/cm².

Estimated continuous use period by operating temperature

60°C (140°F) dry hot air 12 months

Ordering Information

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

End Cap Code

Code 6



Code 7



Code 8



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

*The performance data listed in the catalog are Typical values obtained under specific conditions based on our tests.

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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.



JQA-QMA16323

MIS CM009

8th Issue
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