

CTE Type

Exclusive for air vent applications
(Hydrophobic PTFE Membrane)

The CTE filter cartridges are air vent exclusive filters using hydrophobic PTFE membrane as a filter media.

Features

- The “CTE” filter cartridges consist of a hydrophobic polytetrafluoroethylene (PTFE) membrane which is integrity tested in manufacturing process, thus they are suitable for air vent sterilization in a wide range of application, beginning with food and beverages application.
- All the CTE filters will be shipped after being integrity-tested so that it can be used for strict microfiltration such as sanitization.※
- The CTE filters can withstand In-Line steam, Autoclave, and Chemical Cleaning (NaOH 3% 80 degree C) so that it is suitable for use in a bacteria control process.

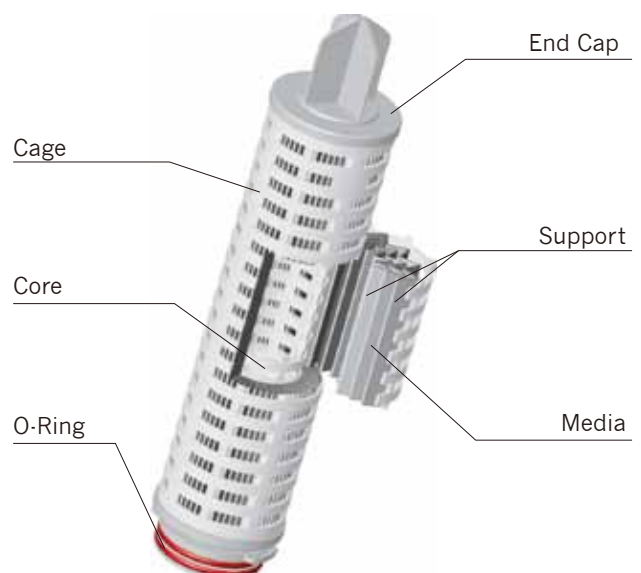
※Regarding an integrity test method and / or specification, please contact us.



Major Applications

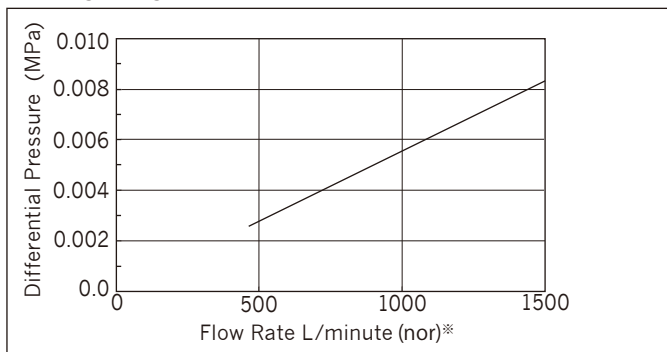
- Air Vent for Food and Beverage
- Air Vent for Ultrahigh Pure Chemicals

Materials of Construction



Differential Pressure vs Flow Rate

Fluid: Air
Cartridge Length: 250mm



Recommended Air Flow Rate : 1,000 L/min (nor)*
Maximum Air Flow Rate : 1,500 L/min (nor)*
※Flow rate in the standard state (101.325kPa, 0 °C)

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

Bacteria Challenge Test

CTE Filter Cartridge (LRV)

Grade	002
Biological Indicator	Brevundimonas diminuta
LRV	≥7

In-Line Steam sterilization Test

Test Conditions (°C)	Tolerance
135	30 minutes x 50 cycles

●The above data are based on our test conditions.
Please confirm with your actual use conditions.

Ordering Information

250 L-CTE-002

E

F

A

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

[Product Type]

[Micron Rating]
002 = 0.2 μm

[Gasket/O-Ring]
S = Silicone

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

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

Specification

Product Type		CTE
Grade		002
Micron Rating (μm)		0.2
E.F.A. (m ² /250L)		0.61
Dimensions	Length (mm)	125 / 250 / 500 / 750
	O.D. (mm)	70.0
	I. D. (mm)	30.0 (for 7)
Materials Media	Media	Polytetrafluoroethylene (PTFE) Membrane
	Support	Polypropylene
	Core	Polypropylene
	Cage	Polypropylene
	End Cap	Polypropylene
Gasket/O-Ring		Silicone
Maximum Operating Temp.(°C)		0.49
Applicable Sterilization		Chemical Cleaning (NaOH 3% 80 degree C)* / In-Line-Steam Sterilization / Autoclave
Adaptable Food Sanitation Standard		All raw materials meet the requirement of FDA 21 CFR

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

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



Scope: Manufacture of Filter cartridges

End Cap Code



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