

# **CERTAIN-PORE Filter Cartridges**

## **CTE Type**

**(Exclusive for air vent applications)**

The CTE filter cartridges are absolute rating hydrophobic PTFE membrane filter for gas sterilization in food and beverages process and purification in chemical process.

### **Features**

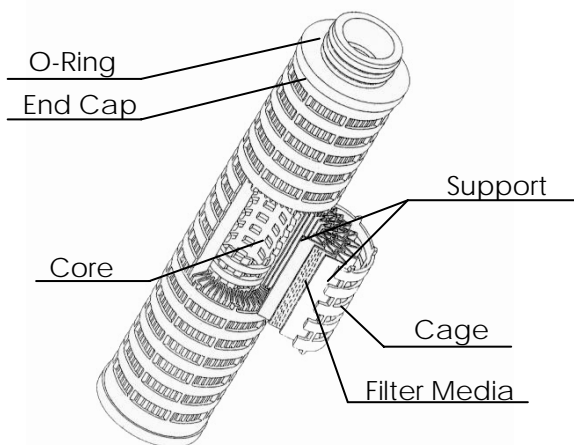
- The "CTE" filter cartridges consist of a hydrophobic polytetrafluoroethylene (PTFE) membrane which is integrity tested in manufacturing process, thus they are suitable for air vent sterilization in food and beverages application.
- The "CTE" filter cartridges have a broad chemical compatibility with low extractables, which shows high performances in fine chemical filtration and CIP.
- The "CTE" filter cartridges are constructed of materials which are listed in FDA 21 CFR.
- The "CTE" filter cartridges can be sterilized with \*Autoclave and \*In-line-steam.  
\*Only "end cap code 7 with silicone o-ring" can be used.

### **Major Applications**

- Tank vent sterilization
- Process gas sterilization
- Solvents or chemicals purification
- Others

# CERTAIN-PORE Filter Cartridges CTE Type

## Materials of Construction



## Ordering Information

**250L-CTE-020**

**V**

**7**

**F**

### Nominal Length

125 = 125mm  
250 = 250mm  
500 = 500mm  
750 = 750mm

### Product Type

### Micron Rating

002 = 0.2 μm

### Gasket/O-Ring

S = Silicone  
E = EPDM  
N = NBR  
V = FKM  
T = FEP Encapsulated FKM (for 0, 5, 7)  
PTFE (for F)

### End Cap Code

F = D.O.E.  
0 = 2-222 O-Ring  
5 = 2-222 O-Ring+Fin  
7 = 2-226 O-Ring+Fin

### Packaging Code

A = 1/box  
B = 6/box  
C = 10/box  
F = 25/box

## Specifications

Product Type		CTE
Grade		002
Micron Rating(μm)		0.2
E.F.A.(m <sup>3</sup> /250L)		0.61
Dimensions	Length(mm)	125 / 250 / 500 / 750
	O.D.(mm)	70.0
	I.D.(mm)	26.1(for F) / 25.6(for 0, 5) / 30.0(for 7)
Material	Filter Media	Ethylene four ( PTFE ) Membrane
	Support	Polypropylene
	Core	Polypropylene
	Cage	Polypropylene
	End Cap	Polypropylene
	Gasket/O-Ring	Silicone / EPDM / NBR / FKM FEP Encapsulated FKM (for 0, 5, 7) / PTFE (for F)
In-line-steam Sterilization		121°C x 30 min x 20 times (only for 7 with silicone o-ring)
Autoclave Sterilization		132°C x 30 min x 6 times (only for 7 with silicone o-ring)
ΔP(MPa)at20°C		0.49
Operating Temp. (°C)		80
Adaptable Food Sanitation Standard		FDA 21CFR /Ministry of Health, Labor and Welfare, Notice370



All the filter cartridges are set in the polypropylene capsules

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



ISO9001 : 2000 QMS Accreditation  
REG. No.JSAQ1436 R001  
Scope: Manufacture of Filter Cartridges

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

## Distributor

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