



CERTAIN-PORE

CRB Type

Major Applications

Liquid sterilizing grade filter for food & beverage

Example: Beer, Wine, Japanese Sake, Vinegar, Soy sauce, Syrup, Flavor and Fragrance

Quality standards

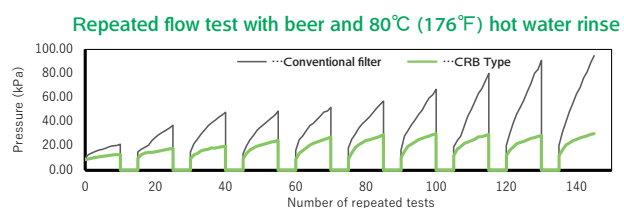
- Adaptable Food Sanitation Standard
 - FDA 21CFR
 - EC No.1935/2004, EU No.10/2011
- Heat sterilization durability
 - Hot water
90°C (194°F) x 30 minutes x 230 cycles
 - Steam
135°C (275°F) x 30 minutes x 50 cycles
- CIP durability
 - 3%NaOH 80°C (176°F) x 30 minutes x 50 cycles
- Integrity tested by diffusion test
- Traceability by lot number

Features

- Hydrophilic polyethersulfone membrane suitable for food and beverage filtration
- Pre-filter to inhibit the loading of colloidal suspended material
- Excellent durability for heat stress

Advantages

- Stable sterilizing properties
- CIP eliminates clogging and allows for repeated use.
- Long service life



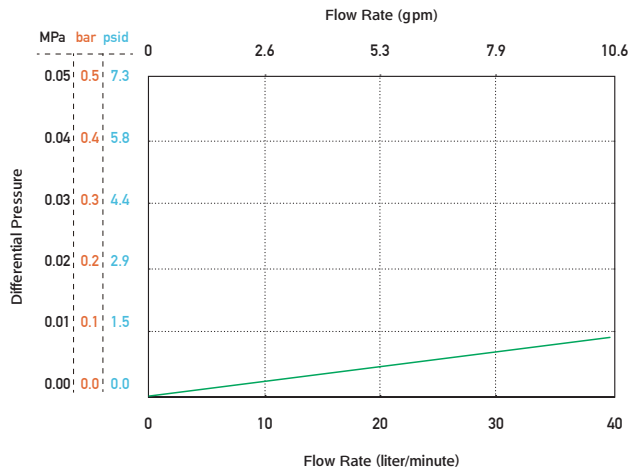
Specifications

Grades	005
Micron Ratings	0.45 μm
E.F.A.	0.51m ² /250mm
Media	Pre-layer: Polypropylene / Final layer: Polyestersulfone (PES) Membrane
Materials	Core/Cage/Support
	Polypropylene
	End Cap
	Polypropylene
	O-Ring
	Silicone
Maximum ΔP	0.49MPa at 40°C (71psi at 104°F)
Maximum Operating Temp	80°C (176°F)
Length	125 / 250 / 500 / 750 / 1000 mm
O.D.	70.0mm
I. D.	29.5mm
Diffusion standard (Wetting liquid: Pure water) per 250mm size filter	0.15MPa:13ml / min

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

Differential Pressure vs Flow Rate

Fluid: Refined Water 20°C (68°F) / Cartridge Length: 250mm



Microbial removal performance

Biological Indicator	LRV*
<i>Lactobacillus brevis</i> (IFO3345)	> 7
<i>Alicyclobacillus acidoterrestris</i> (ATCC49025)	> 7

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

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

Ordering Information

Length	Product Type	Micron Rating	O-Ring	End Cap Code
2 5 0 L ▼ 125 = 125mm 250 = 250mm 500 = 500mm 750 = 750mm 1000 = 1000mm	-CRB-	005 ▼ 005 = 0.45 μm	S ▼ Silicone	7 ▼ 7 = 2-226 O-Ring + Fin

End Cap Code

Code 7



*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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For our technical information, please click here. ▼



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.



3rd Issue
 CRB2301003LE