



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

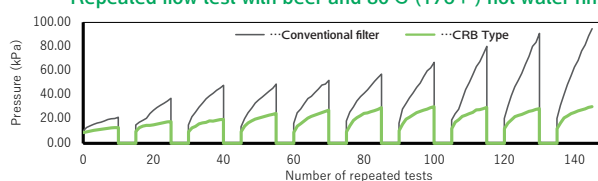
Features

- 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

Repeated flow test with beer and 80°C (176°F) hot water rinse



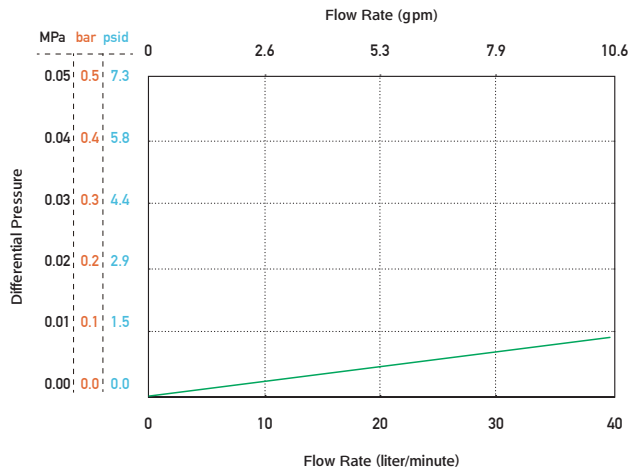
Specifications

Grades	005
Micron Ratings	0.45 μm
E.F.A.	0.51m²/250mm
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.

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.



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JQA-QMA16323

MS CM009

2nd Issue
CRB2301003LE