ROKI TECHNO

MICRO-PURE

MFB Type

Major Applications

Alcoholic beverage

Soft drink

Food Additives

Seasonings

Quality standards

- Adaptable Food Sanitation Standard
  ・FDA 21 CFR

- Traceability by lot number

Features

- Particle removal efficiency of 0.5 μm particles is over 98%.

- High porosity due to ultra-fine polypropylene fiber filter media

- Use of highly durable filter materials and components with less heat damage

Advantages

- High clarity

- High removal efficiency and low differential pressure filtration

- In-line steam durability 135˚C x 30 minutes x 50 times

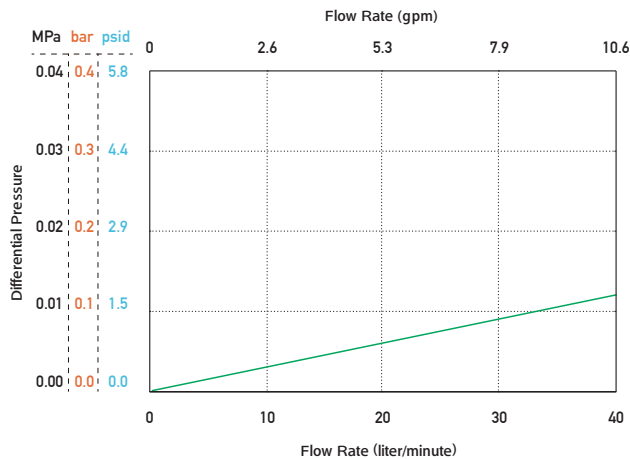- Hot water sterilization durability 90˚C x 30 minutes x 150 times

Specifications

	Grades	005
	Micron Ratings	0.5 μ m
	E.F.A.	0.67m²/250mm
Materials	Media	Polypropylene
	Core/Cage/Support	Polypropylene
	End Cap	Polypropylene
	Maximum △P	0.49MPa at 20℃ (71psi at 68°F)
	Maximum Operating Temp	80℃ (176°F)
Dimen-sions	Length	250／500／750 mm
	O.D.	70.0mm
	I.D.	29.5mm
	Available sterilization methods	CIP、Inline steam, Autoclave

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

Differential Pressure vs Flow Rate

Fluid: Refined Water 20℃ (68℉) / Cartridge Length: 250mm

Flow Rate (gpm)

| | 0 | 2.6 | 5.3 | 7.9 | 10.6 |

MPa	bar	psid
0.04	0.4	5.8
0.03	0.3	4.4
0.02	0.2	2.9
0.01	0.1	1.5
0.00	0.0	0.0

Differential Pressure

Flow Rate (liter/minute): 0, 10, 20, 30, 40

Particle Removal Efficiency

Grades / Particle Size (μm)	Particle Removal Efficiency (%) 005
0.5	>98.0
0.7	>99.9

Test Conditions

Equipment	: Liquid Particle Counter
Filtration	: Single Pass
Fluid	: Refined Water
Flow Rate	: 10 liter/minute
Dust	: ALUMINA + BOEHMITE

Ordering Information

Length	Product Type	Micron Rating	Gasket/O-Ring	End Cap Code	Packaging Code
2 5 0 L	-MFB-	005	S	7	B

Length:
250 = 250mm
500 = 500mm
750 = 750mm

Gasket/O-Ring:
S = Silicone

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

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

End Cap Code

Code 7