



X-CILIA

# XCA Type

## Major Applications

Clarification of food and beverages

Beer, Wine, Distilled spirits,  
Japanese Sake, Tea-based beverages,  
Coffee, Vinegar, Soy sauce, Syrup,  
Flavor and Fragrance, Oils and fats

### Quality standards

- Adaptable Food Sanitation Standard

- FDA 21 CFR\*
- \*Applicable Gaskets and O-ring materials exclude EPDM.

### Features

- Unique design that combines filter media and support media
- Performance-Stabilized Media which have fine fiber diameter in the inner layer
- 100% Polypropylene
- No use of binder or surfactant

### Advantages

- Contaminants can evenly dispersed throughout the filter media, resulting in longer filter life.
- Available for a wide particle size distributions and solids contents
- Maintains stable filtration efficiency from the beginning to the end
- Wide range of fluid compatibility
- Low extractables risk

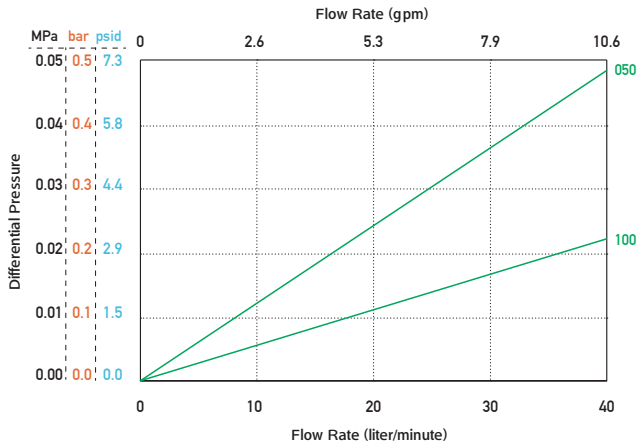
## Specifications

Grades	050	100
Micron Ratings ( $\mu\text{m}$ )	5.0	10
Materials	Polypropylene	
Core/Cage	Polypropylene	
End Cap	Polypropylene	
Maximum $\Delta P$	0.49MPa at 20°C (71psi at 68°F)	
Maximum Operating Temp	60°C (140°F) *for End Cap Code PZ only / 80°C (176°F)	
Dimensions	Length 125 / 250 / 500 / 750 mm	
	O.D. 70.0mm	
	I.D. 25.5 (for PZ) / 26.9 (for 3, 4) / 29.5 (for 7) mm	

\*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



## Particle Removal Efficiency

Particle Size (μm)	Particle Removal Efficiency (%)	
	050	100
5.0	> 99.9	> 98
10		> 99.9

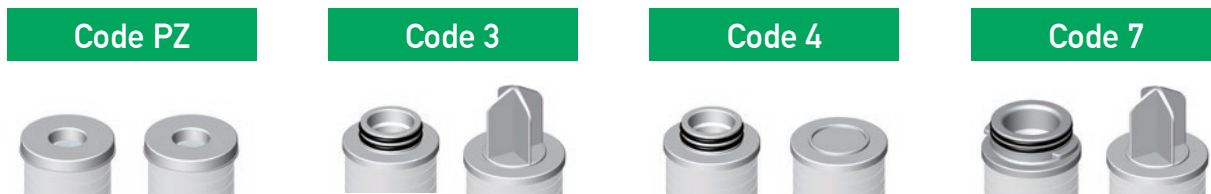
### Test Conditions

Equipment : Liquid Particle Counter  
 Filtration : Single Pass  
 Fluid : Refined Water  
 Flow Rate : 10 liter/minute  
 Dust : ACFTD+LATEX Beads

## Ordering Information

Length	Product Type	Micron Rating	Gasket/O-Ring	End Cap Code	Packaging Code
<b>2 5 0 L</b>	<b>-XCA-</b>	<b>0 5 0</b>	<b>P</b>	<b>Z</b>	<b>F</b>
125 = 125 mm 250 = 250 mm 500 = 500 mm 750 = 750 mm		050 = 5.0 μm 100 = 10 μm	P = Foamed polyethylene S = Silicone E = EPDM N = NBR V = FKM T = FEP Encapsulated FKM	Z = For P 3 = 2-222 O-Ring + Fin 4 = 2-222 O-Ring 7 = 2-226 O-Ring + Fin	B = 6pcs C = 10pcs F = 25pcs

## End Cap Code



\*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.

**ROKI GROUP International Pte. Ltd.**

6-20-12, Minami-Oi, Shinagawa-ku Tokyo, 140-0013 Japan  
 TEL: +81-3-5764-1131 FAX: +81-3-5764-0681

[www.rokiglobal.com](http://www.rokiglobal.com)

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.



6th Issue  
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