



X-CILIA

XCA Type

Major Applications

Various high-concentration dispersions

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

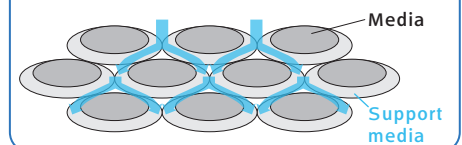
Advantages

- 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

Structure



Filter media cross-section image



Specifications

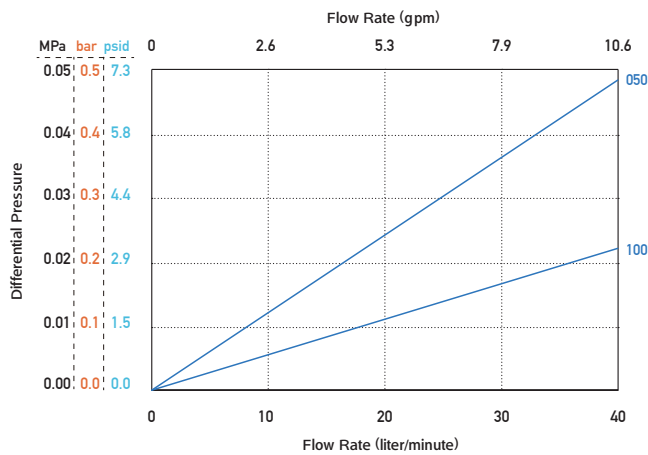
Grades	050	100
Micron Ratings (μm)	5.0	10
Media	Polypropylene	
Materials Core/Cage	Polypropylene	
End Cap	Polypropylene (for 0, 5, 7)	
Maximum ΔP	0.49MPa at 20°C (71psi at 68°F)	
Maximum Operating Temp	60°C (140°F) *for End Cap Code PZ only / 80 °C (176°F)	
Length	125 / 250 / 500 / 750 mm	
Dimensions O.D.	70.0 mm	
I.D.	25.5 (for PZ) / 25.6 (for 0, 5) / 29.5 (for 7) mm	
Adaptable Food Sanitation Standard	All raw materials meet the requirement of FDA 21 CFR *1	

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

*1 Applicable Gaskets and O-ring materials exclude EPDM.

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

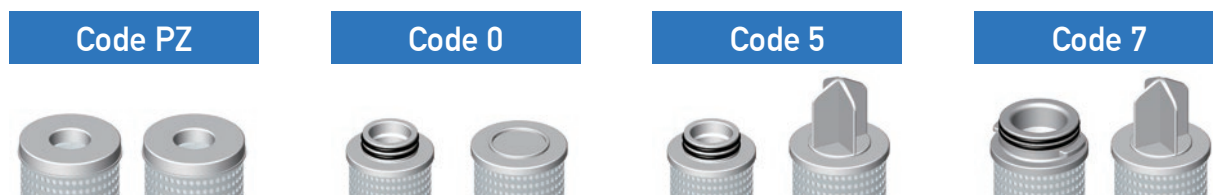
Test Conditions

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
2 5 0 L	-XCA-	0 5 0	P	Z	F
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 0 = 2-222 O-Ring 5 = 2-222 O-Ring + Fin 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.

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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.



7th Issue
 XCA200708E