



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

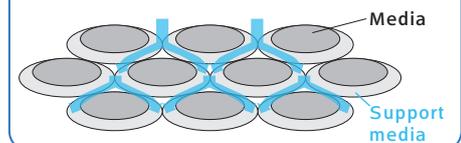
### Advantages

- 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

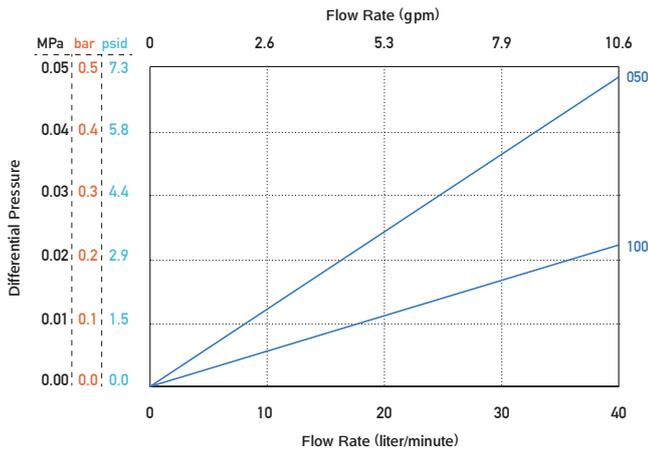
|                                    |   |   |
|------------------------------------|---|---|
| Grades                             | 050   | 100   |
| Micron Ratings ( $\mu\text{m}$ )   | 5.0   | 10  |
| Media                              | Polypropylene   |   |
| Materials Core/Cage                | Polypropylene   |   |
| End Cap                            | Polypropylene (for 0, 5, 7)                             |   |
| 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)  |   |
| 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

| Grades<br>Particle Size (μm) | Particle Removal Efficiency (%) |       |
|------------------------------|---------------------------------|-------|
|                              | 050                             | 100   |
| 5.0                          | >99.9                           | >98   |
| 10                           |                                 | >99.9 |

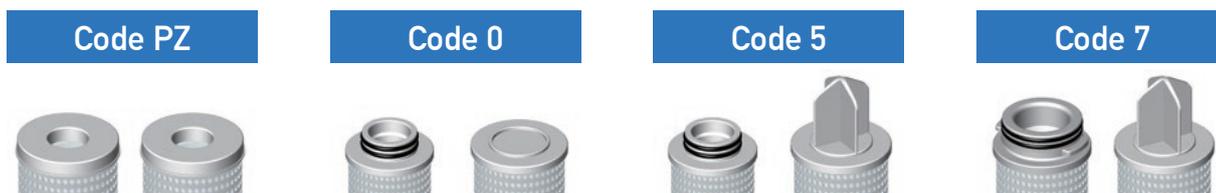
### Test Conditions

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<br>250 = 250 mm<br>500 = 500 mm<br>750 = 750 mm |              | 050 = 5.0 μm<br>100 = 10 μm | P = Foamed polyethylene<br>S = Silicone<br>E = EPDM<br>N = NBR<br>V = FKM<br>T = FEP Encapsulated FKM | Z = For P<br>0 = 2-222 O-Ring<br>5 = 2-222 O-Ring + Fin<br>7 = 2-226 O-Ring + Fin | B = 6pcs<br>C = 10pcs<br>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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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.



9th Issue  
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