CILIA-CLEAN Filter Cartridges

HC Type
(For high viscosity & high solid content liquid)
(100% Polypropylene)

Major Applications
- High viscous liquids
- Various paints
- Various slurry
- Others

Features & Benefits
- Optimum filter for high viscosity liquid
  - Consistent filtration efficiency and high liquid permeability achieved by preventing compression of filter media under high differential pressure with a filter structure combining filter media and support media.

- Excellent chemical resistance
  - Low extractables because of no use of binder or surfactant.

Materials of Construction

![CILIA-CLEAN Filtration Mechanism (Graded Density Slope)](diagram)

- Optimum filter for high viscosity liquid
  - Consistent filtration efficiency and high liquid permeability achieved by preventing compression of filter media under high differential pressure with a filter structure combining filter media and support media.

- Low extractables because of no use of binder or surfactant.

Materials of Construction

- Type: HC
- Features & Benefits:
  - Optimum filter for high viscosity liquid
    - Consistent filtration efficiency and high liquid permeability achieved by preventing compression of filter media under high differential pressure with a filter structure combining filter media and support media.
  - Excellent chemical resistance
    - Low extractables because of no use of binder or surfactant.

Specification

<table>
<thead>
<tr>
<th>Product Type</th>
<th>HC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Micron Rating (µm)</td>
<td>0.5</td>
</tr>
<tr>
<td>Dimensions</td>
<td>O.D. (mm)</td>
</tr>
<tr>
<td>I.D. (mm)</td>
<td>27.0</td>
</tr>
<tr>
<td>Materials</td>
<td>Media</td>
</tr>
<tr>
<td>Core</td>
<td>Polypropylene</td>
</tr>
<tr>
<td>Support</td>
<td>Polypropylene</td>
</tr>
<tr>
<td>End Cap</td>
<td>Foamed Polyethylene</td>
</tr>
<tr>
<td>Maximum ΔP at 20°C (68°F)</td>
<td>0.49MPa (4.9bar, 71psid)</td>
</tr>
<tr>
<td>Maximum Operating Temp.</td>
<td>60°C (140°F)</td>
</tr>
</tbody>
</table>

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

Fluid: CMC (400cP)  Cartridge Length: 250mm
* The data does not include piping pressure drop.

Fluid: CMC (10,000cP)  Cartridge Length: 250mm
* The data does not include piping pressure drop.

*The above data is based on our test condition, and is not guaranteed value.

**Particle Removal Efficiency**

<table>
<thead>
<tr>
<th>Particle Size (μm)</th>
<th>05</th>
<th>1</th>
<th>3</th>
<th>5</th>
<th>10</th>
<th>25</th>
<th>50</th>
<th>75</th>
<th>100</th>
<th>150</th>
<th>200</th>
<th>400</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>&gt;95</td>
<td>&gt;95</td>
<td>&gt;80</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;80</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;90</td>
</tr>
<tr>
<td>10</td>
<td>&gt;99.9</td>
<td>&gt;99.9</td>
<td>&gt;98</td>
<td>&gt;98</td>
<td>&gt;90</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
</tr>
<tr>
<td>25</td>
<td>&gt;99.9</td>
<td>&gt;99.9</td>
<td>&gt;98</td>
<td>&gt;98</td>
<td>&gt;90</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
</tr>
<tr>
<td>50</td>
<td>&gt;99.9</td>
<td>&gt;99.9</td>
<td>&gt;99.9</td>
<td>&gt;99.9</td>
<td>&gt;90</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
</tr>
<tr>
<td>75</td>
<td>&gt;98</td>
<td>&gt;90</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
<td>&gt;80</td>
</tr>
<tr>
<td>100</td>
<td>&gt;99.9</td>
<td>&gt;98</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;80</td>
<td>&gt;75</td>
<td>&gt;75</td>
<td>&gt;75</td>
<td>&gt;75</td>
<td>&gt;75</td>
<td>&gt;75</td>
<td>&gt;75</td>
</tr>
<tr>
<td>150</td>
<td>&gt;99.9</td>
<td>&gt;99.9</td>
<td>&gt;98</td>
<td>&gt;98</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;90</td>
</tr>
<tr>
<td>200</td>
<td>&gt;99.9</td>
<td>&gt;99.9</td>
<td>&gt;99.9</td>
<td>&gt;99.9</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;90</td>
<td>&gt;90</td>
</tr>
</tbody>
</table>

*The above data is based on our test condition, is not guaranteed value.

**Ordering Information**

2 5 0 L - H C - 1 0 0 C

- **Nominal Length**
  - 125 = 125mm
  - 250 = 250mm
  - 500 = 500mm

- **Product Type**
  - B = 6pcs
  - C = 10pcs
  - F = 25pcs

- **Micron Rating**
  - 05 = 0.5μm
  - 1 = 1.0μm
  - 3 = 3.0μm
  - 5 = 5.0μm
  - 10 = 10μm
  - 25 = 25μm
  - 50 = 50μm
  - 75 = 75μm
  - 100 = 100μm
  - 150 = 150μm
  - 200 = 200μm
  - 400 = 400μm

**End Cap Code**

Code PZ