SLOPE-PURE Filter Cartridges

**SHD Type**
(For high viscosity & high solid content liquid)
(Polypropylene & Glass fiber media)

**Major Applications**
- Micro separation for high solid content slurry and filtration for gel-like substances
- Micro separation for functional paints and pigment resist, and filtration for gel-like substances
- Others

**Features & Benefits**
- **Optimal for high viscosity liquids and high concentrated slurries**
  - Filter media reinforced with strong support material, thus filtration is stable even for high viscosity liquid.
  - Graded-density structure in depth pleated media is used for wide particle size distribution liquid at high flow rate.
- **Excellent chemical resistance**
- **Low extractables**
  - Since binders or surfactants are not used in filter, extractables are extremely low.

**Materials of Construction**

**Specification**

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Micron Rating (μm)</th>
<th>E.F.A. (m² / 250mm)</th>
<th>Maximum ∆P at 20°C (68°F)</th>
<th>Maximum Operating Temp.</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHD</td>
<td>0.5</td>
<td>0.22</td>
<td>0.49MPa (4.9bar, 71psid)</td>
<td>80°C (176°F) / 60°C (140°F) (only PZ)</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.

Particle Removal Efficiency

<table>
<thead>
<tr>
<th>Particle Size (μm)</th>
<th>005</th>
<th>010</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5</td>
<td>&gt;98.0</td>
<td></td>
</tr>
<tr>
<td>1.0</td>
<td>&gt;99.9</td>
<td></td>
</tr>
</tbody>
</table>

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

End Cap Code

Code PZ

Code F

Code 0

Code 5

Code 7

Ordering Information

[ Nominal Length ] [ Micron Rating ] [ Gasket/O-Ring ] [ End Cap Code ] [ Packaging Code ]
125 = 125mm 005 = 0.5μm P = Foamed Polyethylene Z = only for P gasket B = 6pcs
250 = 250mm 010 = 1.0μm S = Silicone F = Flat Gaskets C = 10pcs
500 = 500mm E = EPDM 0 = 2-222 O-Ring F = 25pcs
750 = 750mm N = NBR 5 = 2-222 O-Ring + Fin V = FKM 7 = 2-226 O-Ring + Fin

PTFE (for F)

*The contents of the catalog are subject to change without notice.