**SP-FINE Filter Cartridges**

**SBP Type**

(For classification filtration)
(Super fine polypropylene filter media)
(100% Polypropylene)

**Major Applications**
- Classifying filtration for high-concentration slurry
- Classifying filtration for pigment resists and ink-jet inks
- Classifying filtration for functional inks
- Alcoholic beverages and soft drinks
- Industrial water and water for beverages
- Others

**Features & Benefits**

- **Ultra-fine fiber:** High removal efficiency, High permeability, Long service life
  - Higher porosity than conventional high removal efficiency filters
  - Achieve highly accurate classification filtration because of high permeability and high dust holding capacity.

- **Unique filter media structure**
  - High removal efficiency filter media from outer layer realizes a long service life for liquids with a sharp particle size distribution
  - Low differential pressure is maintained, because filter media is not compressed or deformed under high viscous and high solid content liquid because of strong support net.

- **Low extractables**
  - Since binders or surfactants are not used in filter, extractables are extremely low.

- **Reduction of released fibers from filter**
  - ROKI standard flushing specifications can reduce the initial flushing amount before use.

**Materials of Construction**

**Conventional Polypropylene Fiber Media**

- Low Porosity (with consolidation process)

**Super-Fine Polypropylene Fiber Media (SBP-010)**

- High Porosity

**Specification**

<table>
<thead>
<tr>
<th>Specification</th>
<th>SBP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Micron Rating (μm)</td>
<td>0.8</td>
</tr>
<tr>
<td>E.F.A. (m² / 250mm)</td>
<td>0.21</td>
</tr>
<tr>
<td>Dimensions</td>
<td></td>
</tr>
<tr>
<td>O.D. (mm)</td>
<td>70.0</td>
</tr>
<tr>
<td>I.D. (mm)</td>
<td>26.1(for F) / 25.8(for 0, 5) / 29.5(for 7)</td>
</tr>
<tr>
<td>Materials</td>
<td></td>
</tr>
<tr>
<td>Media</td>
<td>Polypropylene</td>
</tr>
<tr>
<td>Support</td>
<td>Polypropylene</td>
</tr>
<tr>
<td>Core, Outer Cage, End Cap</td>
<td>Polypropylene</td>
</tr>
<tr>
<td>Maximum ∆P at 20°C (68°F)</td>
<td>0.49MPa (4.9bar, 71psid)</td>
</tr>
<tr>
<td>Maximum Operating Temp.</td>
<td>80°C (176°F)</td>
</tr>
<tr>
<td>Adaptable Food Sanitation Standard</td>
<td>All raw materials meet the requirement of FDA 21 CFR *1</td>
</tr>
</tbody>
</table>

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

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

![Graph showing flow rate and pressure relationship]

Fluid: Refined Water (20°C (68°F))  
Cartridge Length: 250mm

* The data does not include piping pressure drop.

### Particle Removal Efficiency

<table>
<thead>
<tr>
<th>Particle Size (µm)</th>
<th>008</th>
<th>010</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.8</td>
<td>&gt;99.9</td>
<td></td>
</tr>
<tr>
<td>1.0</td>
<td>&gt;98</td>
<td></td>
</tr>
<tr>
<td>1.5</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.

### Ordering Information

<table>
<thead>
<tr>
<th>Code</th>
<th>Code 0</th>
<th>Code 5</th>
<th>Code 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>L − S B P −</td>
<td>S</td>
<td>7</td>
<td>C</td>
</tr>
</tbody>
</table>

- **Nominal Length**
  - 62.5 = 62.5mm
  - 125 = 125mm
  - 250 = 250mm
  - 500 = 500mm
  - 750 = 750mm

- **Product Type**
  - 008 = 0.8µm
  - 010 = 1.0µm

- **Gasket / O-Ring**
  - S = Silicone
  - E = EPDM
  - N = NBR
  - V = FKM
  - T = FEP Encapsulated FKM (for 0, 5, 7)
  - PTFE (for F)

- **End Cap Code**
  - F = Flat Gaskets
  - 0 = 2-222 O-Ring
  - 5 = 2-222 O-Ring + Fin
  - 7 = 2-226 O-Ring + Fin

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