S Series Depth Filter Cartridge

Features
- Absolute Filtration Efficiency
- Surface pore structure spreads water flow to reduce pressure drop
- Continuously gradient pore structure increases the capacity of dust
- Surface fiber fortified to prevent fiber releasing
- High strength and pressure resin
- Micro-denier melt blown filtration fiber, high removal ratings
- 100% PP for compatibility with broad range of process fluids
- Formed by thermal bond without using binders and adhesives
- Certificated by NSF 42 and FDA CFR Title 21

Specification
- Material: 100% Polypropylene Melt Blown
- Micron Rating (99.9%): 0.5, 1, 3, 5, 10, 25, 50, 75, 100 Micron
- Length: 90.87”, 10”, 20”, 30”, 40”
- Inner Diameter/Outer Diameter: 28 mm / 63 mm (SP Series)  28 mm / 67 mm (XNB Series)

Operating Condition
- Maximum operating forward pressure: 80°C: 1.2 kg/cm²  60°C: 2.1 kg/cm²  20°C: 4.2 kg/cm²
- Recommended replaceable pressure drop: 2.1 kg/cm²
- Maximum operating temperature: 80°C

Application
- Cooling water system in semiconductor industry (PCW)
- CMP Slurries
- Medium & low viscosity fluids of chemical
- Pre-filter of DI water filtration
- Water for manufacturing processes and recycled water
- Paint in panel painting industry

Initial Pressure Drop

<table>
<thead>
<tr>
<th>Micron Rating</th>
<th>OD Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5 micron</td>
<td>9.87”</td>
</tr>
<tr>
<td>1 micron</td>
<td>10”</td>
</tr>
<tr>
<td>3 micron</td>
<td>20”</td>
</tr>
<tr>
<td>5 micron</td>
<td>30”</td>
</tr>
<tr>
<td>10 micron</td>
<td>40”</td>
</tr>
<tr>
<td>25 micron</td>
<td>63 mm</td>
</tr>
<tr>
<td>50 micron</td>
<td>67 mm</td>
</tr>
<tr>
<td>75 micron</td>
<td>100 micron</td>
</tr>
<tr>
<td>100 micron</td>
<td>100 micron</td>
</tr>
</tbody>
</table>

Capacity of Dust

<table>
<thead>
<tr>
<th>Micron Rate</th>
<th>Loading Capacity (gram/Length 10”)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5</td>
<td>1.2</td>
</tr>
<tr>
<td>1</td>
<td>2.1</td>
</tr>
<tr>
<td>3</td>
<td>4.2</td>
</tr>
<tr>
<td>5</td>
<td>8.4</td>
</tr>
<tr>
<td>10</td>
<td>16.8</td>
</tr>
<tr>
<td>25</td>
<td>42</td>
</tr>
<tr>
<td>50</td>
<td>84</td>
</tr>
<tr>
<td>75</td>
<td>126</td>
</tr>
<tr>
<td>100</td>
<td>168</td>
</tr>
</tbody>
</table>

Product Code

SP 001 E 5 3000

SP: 63
XNB: 67
00A: 0.5um
001: 1um
003: 3um
005: 5um
010: 10um
025: 25um
050: 50um
075: 75um
100: 100um

No symbol: No Gasket
A: EVA
E: EPDM
N: Buna N
S: Silicone
V: Viton
T: Teflon

Encapsulated Viton

No Symbol = DOE
F: DOE
0: 222 Flat
5: 222 Fin
6: 226 Flat
7: 226 Fin

0987: 9.87”
1000: 10”
2000: 20”
3000: 30”
4000: 40”

*Customized Length (mm)