PRESTABLE Filter Cartridges

**MAP Type**
(For high-viscosity fluid filtration applications)
(Performance-Stabilized Media)

**Major Applications**
- Conductive and insulating pastes
- Adhesives and bonds
- Binder materials and varnishes
- Raw resins
- Other fluids with high solid contents / viscosity

**Features & Benefits**
- **Optimized performance stabilization layer and media configuration**
  - Maintain stable filtration under high and fluctuating pressure.
  - Construction of filter media prevents surface clogging (rapid clogging).
- **Long service life**
  - Maximum operating differential pressure 0.86MPa
  - No metal contamination risk by substituting conventional metal filters.
- **Stable flow rate even under high differential pressure**
  - Adoption of highly rigid support material enables filtration of high viscosity liquid.
  - Applicable to filter high viscosity liquid with 10Pa·s or higher
- **Excellent chemical resistance**
- **Low extractables**
  - Since no binders or surfactants are used in the filter, extractables are extremely low.

**Materials of Construction**

**Specification**

<table>
<thead>
<tr>
<th>Product Type</th>
<th>MAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Micron Rating (μm)</td>
<td>1.0 2.0 3.0 5.0 10 15 20 30</td>
</tr>
<tr>
<td>E.F.A. (m² / 250mm)</td>
<td>0.25 0.30 0.33 0.30 0.30 0.28 0.26 0.24</td>
</tr>
<tr>
<td>Dimensions</td>
<td>70.0</td>
</tr>
<tr>
<td>I.D. (mm)</td>
<td>26.1 (for F) / 25.6 (for 0, 5) / 29.5 (for 7)</td>
</tr>
<tr>
<td>Materials</td>
<td>Media Polypropylene</td>
</tr>
<tr>
<td></td>
<td>Support Polypropylene</td>
</tr>
<tr>
<td></td>
<td>Core, Outer Cage, End Cap Polypropylene</td>
</tr>
<tr>
<td>Maximum ΔP at 20°C (68°F)</td>
<td>0.86MPa (6.6bar, 124psid)</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

Fluid: CMC (1,000cP)  Cartridge Length: 250mm
* The data does not include piping pressure drop.

Particle Removal Efficiency

<table>
<thead>
<tr>
<th>Particle Size(µm)</th>
<th>010</th>
<th>020</th>
<th>030</th>
<th>050</th>
<th>100</th>
<th>150</th>
<th>200</th>
<th>300</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>&gt;99.9</td>
<td></td>
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<td></td>
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<tr>
<td>2.0</td>
<td></td>
<td>&gt;99.9</td>
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<tr>
<td>3.0</td>
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<td></td>
<td>&gt;99.9</td>
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<tr>
<td>5.0</td>
<td></td>
<td></td>
<td>&gt;99.9</td>
<td>&gt;98.0</td>
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<tr>
<td>10.0</td>
<td></td>
<td></td>
<td></td>
<td>&gt;99.9</td>
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<td>15.0</td>
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<tr>
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<td>&gt;99.9</td>
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<tr>
<td>30.0</td>
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<td></td>
<td>&gt;99.9</td>
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</tr>
</tbody>
</table>

<Test Conditions>
Equipment: Particle Counter in Liquid
Filtration: Single Pass
Fluid: Refined Water
Flow Rate: 10 liter / minute
Dust: ACFTD+LATEX Beads (MAP-010~150)
RADIOLITE #800 (MAP-200~300)

Ordering Information

[ Nominal Length ] [ Product Type ] [ Micron Rating ] [ Gasket / O-Ring ] [ End Cap Code ] [ Packaging Code ]
62.5 = 62.5mm  125 = 125mm  250 = 250mm  500 = 500mm  750 = 750mm
010 = 1µm  020 = 2µm  030 = 3µm  050 = 5µm  100 = 10µm  150 = 15µm  200 = 20µm  300 = 30µm
S = Silicone  E = EPDM  N = NBR  V = FKM  5 = 2-222 O-Ring + Fin  7 = 2-226 O-Ring + Fin
T = FEP Encapsulated FKM (for 0, 5, 7)  PTFE (for F)

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

End Cap Code

Code F  Code 0  Code 5  Code 7

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

ROKIGROUP International Pte. Ltd.
6-20-12, Minami-Oi, Shinagawa-ku Tokyo, 140-0013 Japan
TEL: +81-3-5764-1131 FAX: +81-3-5764-0681
URL: https://www.rokiglobal.com

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