MICRO-PURE Filter Cartridges

MGD Type
(Glass fiber media)

Major Applications
- Micro filtration of D.I. water and water for use in general industry
- Micro filtration of industrial chemicals
- Clarification filtration of Tea-based beverage, Sake and Wines
- Pre-filters of membrane filters
- Others

Features & Benefits
- **High flow rate**
  - Low flow resistance and high flow rate compared to conventional polypropylene filter media
- **High particle removal performance**
  - Ultra-fine glass fiber is used as filter media for high efficiency and high porosity.
  - Colloidal contaminants are effectively captured by adsorption effect of glass fiber.

Materials of Construction

Specification

<table>
<thead>
<tr>
<th>Product Type</th>
<th>MGD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Micron Rating (μm)</td>
<td>0.3</td>
</tr>
<tr>
<td>E.F.A. (m² / 250mm)</td>
<td>0.38</td>
</tr>
<tr>
<td>Dimensions</td>
<td></td>
</tr>
<tr>
<td>O.D. (mm)</td>
<td></td>
</tr>
<tr>
<td>I. D. (mm)</td>
<td>26.1 (for F) / 25.6 (for 0, 5) / 30.0 (for 7)</td>
</tr>
<tr>
<td>Materials</td>
<td></td>
</tr>
<tr>
<td>Media</td>
<td>Resin bonded Glass Fiber</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 ΔP 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>
</tbody>
</table>

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

Fluid: Refined Water (20°C) Cartridge Length: 250mm
* The data does not include piping pressure drop.

Particle Removal Efficiency

<table>
<thead>
<tr>
<th>Particle Size(μm)</th>
<th>003</th>
<th>006</th>
<th>010</th>
<th>020</th>
<th>030</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.7</td>
<td>&gt;99.9</td>
<td>&gt;99</td>
<td>&gt;99</td>
<td>&gt;98</td>
<td></td>
</tr>
<tr>
<td>1.0</td>
<td>&gt;99.9</td>
<td>&gt;99.9</td>
<td>&gt;99.9</td>
<td>&gt;99.9</td>
<td>&gt;99</td>
</tr>
<tr>
<td>1.5</td>
<td>&gt;99.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Ordering Information

2M0D06
[ Nominal Length ]
125 = 125mm
250 = 250mm
500 = 500mm
750 = 750mm

[ Product Type ]

[ Micron Rating ]
003 = 0.3μm
006 = 0.6μm
010 = 1.0μm
020 = 2.0μm
030 = 3.0μm

[ 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

[ Packaging Code ]
B = 6pcs
C = 10pcs
F = 25pcs

End Cap Code

Code F
Code 0
Code 5
Code 7
*The contents of the catalog are subject to change without notice.