Water Absorbent Matrix Bags

FEATURES

- Superior water absorbing capability: Absorb and retain water up to 50 times of its own dry weight.
- Dual purpose: Not only removes water from oil, but also retains contaminants of 1, 5, 10, 25 and 50 microns.
- FDA compliant non-woven felt. 100% free of silicon contamination
- Single & multiple layer depth media composites
- 1 ~ 200 micron range, nominal rating
- Patented SDS & STS pressure seal rings, steel snap-fit rings
- Wide chemical compatibilities
- Fiber migration & extractable free media treatment
- Large contaminant retention capacities, extended service lives
- Change-out differential pressure 0.10 MPa, Max. 0.16 MPa

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Filter Size</th>
<th>Material Availability</th>
<th>Material Classification</th>
<th>Seam Treatment</th>
<th>Length (mm)</th>
<th>Diameter (mm)</th>
<th>Filter Area (m²)</th>
<th>Volume (Litre)</th>
<th>Housing Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size 1</td>
<td>Water Absorbent</td>
<td>Non-woven</td>
<td>Welded</td>
<td>420</td>
<td>180</td>
<td>0.25</td>
<td>8.00</td>
<td>FCISBF-M-717S1/S2/S3</td>
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<tr>
<td>Size 2</td>
<td>Water Absorbent</td>
<td>Non-woven</td>
<td>Welded</td>
<td>820</td>
<td>180</td>
<td>0.5</td>
<td>17.50</td>
<td>FCISBF-M-732S1/S2/S3</td>
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<td>230</td>
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<td>0.09</td>
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<td>FCISBF-M-410S1/S2/S3</td>
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<td>100</td>
<td>0.15</td>
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<td>FCISBF-M-417S1/S2/S3</td>
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<td>0.25</td>
<td>8.00</td>
<td>FCISBF-M-620S1/S2/S3</td>
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</tbody>
</table>

PRODUCT CATEGORIES

- FCISEM- Water Absorbent Matrix Bags

FCI SEM Matrix Series uses a new type of specially formulated and highly effective water absorbent. In its pure form, such absorbent is capable of absorbing water from oil up to 100 times of its own dry weight. However in its pure form, such water absorbent tends to be unstable. Once exposed, it quickly absorbs moisture from open air. To stabilize the water absorbent for commercial applications, we mix certain percentage of Polyester fiber into the water absorbent to formulate our unique FCI SEM Matrix media, which is capable of absorbing and retaining water content up to 50 times of its own dry weight.

In addition to a standard line of FCI SEM Matrix bags, we will launch FCI SEM Designer filters simultaneously. Customers are encouraged to contact us with application specifications. As usual, we will custom make Designer FCI SEM filters that are tailored to meet each individual customers’ application requirements.

TYPICAL APPLICATIONS

- Auto coating & paint
- Water purification & processing
- Pharmaceutical
- Food & beverage
- Bulk & fine chemicals
- Electronics