Filter Bag
PLEATED MICRON FELT FILTER BAGS

PRODUCT CATEGORIES

- FCI XP - Polypropylene Composite Bags, Pleated
- FCI EXP - Polyester Composite Bags, Pleated

Consist of a series of pleated micron felts with depth graded pore opening structure. The filter surface area is 2.5 times larger than industrial standards & its filter media depth is eight times thicker. With improvisation in both the filter surface area and filter media depth, dirt holding capacity and flow rate can be improved significantly.

FCI DOUBLE SEAL (SDS Bag Seal)

- Easy for Installation: Its SDS seal easily fits within the cage.
- Double Seal: Double seals to prevent liquid bypass.
- Pressure Seal: Much advanced than traditional design; mechanical seal design.
- Collapse Free: Thick wall design to resist deformation under excessive pressure.
- Universal Compatibility: Fits and seals in most brands of standard bag housings.

FEATURES

- Increased filter surface area by 250% compared to industrial standards.
- Significantly improved flow rate and reduced pressure drop.
- Significantly increased contaminant retention capacities & extended service lives.
- Exclusively FDA compliant filter media.
- Multiple layer depth media composites.
- 100 micron range, nominal rating.
- Patented SDS & STS pressure seal rings, steel snap-fit rings.
- Wide chemical compatibilities.
- Fiber migration & extractable free media treatment.
- Change-out differential pressure 0.12 MPa, Max. 0.20 MPa.
- Recommended flow rate: #1 @ 10 MT/Hr, #2 @ 22 MT/Hr.

TYPICAL APPLICATIONS

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

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Filter Size</th>
<th>Media Availability</th>
<th>Media Category</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>PP, PE</td>
<td>Micro Felt</td>
<td>Ultrasonic Welded</td>
<td>420</td>
<td>180</td>
<td>0.63</td>
<td>8</td>
<td>FCISBF-M-717S1/S2/S3</td>
</tr>
<tr>
<td>Size 2</td>
<td>PP, PE</td>
<td>Micro Felt</td>
<td>Ultrasonic Welded</td>
<td>820</td>
<td>180</td>
<td>1.25</td>
<td>17.5</td>
<td>FCISBF-M-732S1/S2/S3</td>
</tr>
</tbody>
</table>