

# Filter Bag

## WATER ABSORBENT FILTER BAGS



### 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

Filter Size	Material Availability	Material Classification	Seam Treatment	Length (mm)	Diameter (mm)	Filter Area (m <sup>2</sup> )	Volume (Litre)	Housing Used
Size 1	Water Absorbent	Non-woven	Welded	420	180	0.25	8.00	FCISBF-M-717S1/S2/S3
Size 2	Water Absorbent	Non-woven	Welded	820	180	0.5	17.50	FCISBF-M-732S1/S2/S3
Size 3	Water Absorbent	Non-woven	Welded	230	100	0.09	1.50	FCISBF-M-410S1/S2/S3
Size 4	Water Absorbent	Non-woven	Welded	380	100	0.15	2.50	FCISBF-M-417S1/S2/S3
Size 5	Water Absorbent	Non-woven	Welded	510	150	0.25	8.00	FCISBF-M-620S1/S2/S3

#### 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

### Filter Concept Pvt. Ltd.

(An ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 and CE Certified Company) Products Manufacturing in Accordance With the Requirement Of The ASME Boiler & Pressure Vessel Code "U", "UM", "NB" & "R"

302, "Aalin", Opp.Gujarat Vidhyapith, B/h. Jet Airways Office, Nr. Ajanta Commercial Complex, River Front Main Gate, Ashram Road, Ahmedabad - 380 014, Gujarat, INDIA.

Phone : +91-79-2754 1602, 2754 0069, 3291 8518, Fax: +91-79-2754 0801, E Mail : info@filter-concept.com, Web Site: www.filter-concept.com