

# Filter Bag

NON-WOVEN MICRON FELT FILTER BAGS - DURABLE CLASS



## FCI DOUBLE SEAL (SDS Bag Seal)

- **Automatic Installation** : No need for manual installation.
- **Double Seal** : Double seals to prevent liquid bypass.
- **Pressure Seal** : Much advanced than traditional; mechanical seal.
- **Collapse Free** : Thick wall design to resist deformation under excessive pressure
- **Universal Compatibility** : Fits and seals in most brands of standard bag housings.

## FEATURES

- FDA compliant none-woven felt. 100% free of silicon contamination
- Triple-layer depth media composites. 85~110% service life extension
- 1 - 200 micron range, nominal rating
- Patented SDS & STS pressure seal rings, steel snap-fit rings
- Broad chemical compatibilities
- Fiber migration & extractable free media treatment
- Large contaminant retention capacities, extended service lives
- Change-out pressure differential 0.10 MPa, Max. 0.16 MPa

## TECHNICAL SPECIFICATIONS

Filter Size	Media Availability	Media Category	Seam Treatment	Length (mm)	Diameter (mm)	Filter Area (m <sup>2</sup> )	Volume (Liter)	Housing Used
Size 1	PP, PE	Non -Woven	Welded/Stitched	420	180	0.25	8.0	FCISBF-M-717S1/S2/S3
Size 2	PP, PE	Non -Woven	Welded/Stitched	820	180	0.50	17.5	FCISBF-M-732S1/S2/S3
Size 3	PP, PE	Non -Woven	Welded/Stitched	230	100	0.09	1.5	FCISBF-M-410S1/S2/S3
Size 4	PP, PE	Non -Woven	Welded/Stitched	380	100	0.15	2.5	FCISBF-M-417S1/S2/S3
Size 5	PP, PE	Non -Woven	Welded/Stitched	510	150	0.25	8.0	FCISBF-M-620S1/S2/S3

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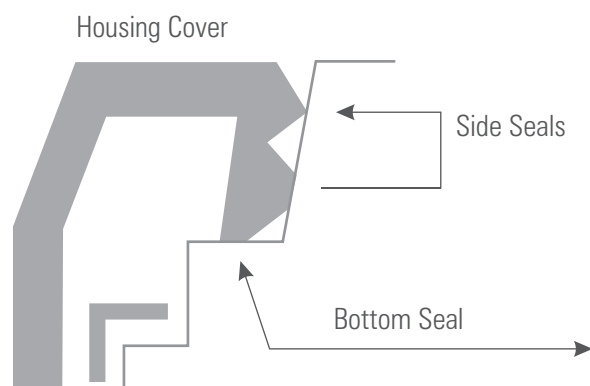
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## PRODUCT CATEGORIES

- FCIPPX - Polypropylene Micron Felt Bags, Durable Class
- FCIPEX - Polyester Micron Felt Bags, Durable Class

Design effort focuses on extending filter's service life. The inner pre-filter layer is coarser than the primary filter layer to form graded pore depth structure, coarse contaminant particles are trapped and retained by the pre-filter layer in order to protect and prolong the service life of the primary layer. Both the pre-filter layer and the primary filter layer are not singed so that the entirety of micro pore openings are preserved as it is. Such formulation is effective in slowing down the premature formation of filter cakes, therefore successfully extend filter's service life. A layer of spunbound cover is used to prevent fiber migration. Lab tests show that the average service life is 85% to 110% longer than standard PP and PE bags, depending on application conditions.



## TYPICAL APPLICATIONS

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