



## **FILTER BAGS**

### **NONE-WOVEN MICRON FELT FILTER BAGS – DURABLE CLASS**



PPX & PEX Durable Class Felt Bags w/ SDS™ Seal

### **PRODUCT CATEGORIES**

- **PPX** - Polypropylene Felt Bags, Durable Class
- **PEX** - Polyester 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 Spun-bond 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.

### **SUN DOUBLE SEAL (SDS™ Bag Seal)**

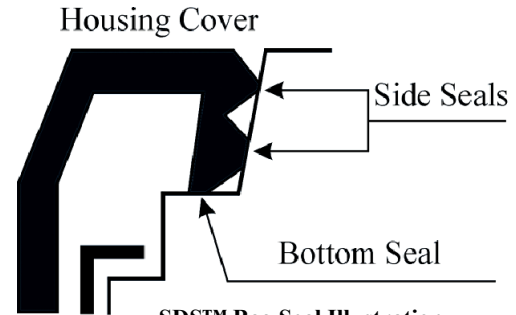
- **Automatic Installation** No need for manual installation.
- **Double Seal** Double seals to prevent liquid bypass.
- **Pressure Seal** Much advanced than traditional mechanical seal.
- **Collapse Free** Thick wall design to resist deformation under excessive pressure.
- **Universal Compatibility** 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	Felt	Welded/Stitched	420	180	0.25	8.0	HEXB23, HECB23
Size 2	PP & PE	Felt	Welded/Stitched	820	180	0.50	17.5	HEXB45, HSTB45+
Size 3	PP & PE	Felt	Welded/Stitched	230	100	0.09	1.5	HEXB6, HECB6
Size 4	PP & PE	Felt	Welded/Stitched	380	100	0.15	2.5	HEXB10, HECB10
Size 5	PP & PE	Felt	Welded/Stitched	510	150	0.25	8.0	HPPB23V, HSSB23



SDS™ Bag Seal Illustration

### **TYPICAL APPLICATIONS**

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

**ISO9001 Certified  
 Manufacturer**

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