



**Sun-Central**  
Exclusive Manufacturer of  
**Sunmicron & Continental**

## **FILTER BAGS**

### **THE DURABLE CLASS DUAL-FLOW FILTER BAGS**



#### **PRODUCT CATEGORIES**

- **PDX** - Polypropylene Bags, Durable Dual-flow
- **EDX** - Polyester Bags, Durable Dual-flow

Our Durable Dual-flow bags feature 3.5 times larger filter surface area, bi-directional flow, high flow rates and large dirt loading capacities.

A Durable Dual-flow bag consists of an inner bag and an outer bag, both are made of matrix filter media consists of a pre-filter and a primary filter. The pre-filter is coarser than the primary filter in order to form a graded pore structure. Coarse contaminants are trapped by the pre-filter to effectively extend primary filter's service life. Both filters are not glazed, so that the entirety of micro pore openings are 100% preserved. Our innovative filter media formulation effectively slows down the premature formation of filter cakes and extends filter's service life. Spun-bond cover are used to prevent loose fiber migration.

**ISO9001 Certified  
Manufacturer**

**CORPORATE HEADQUARTERS  
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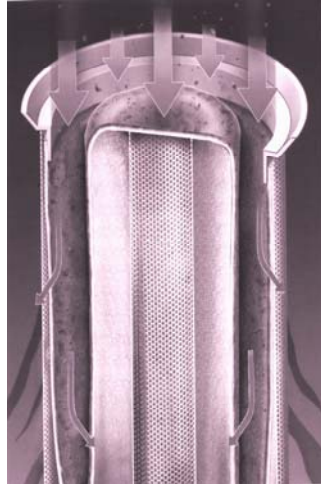
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The quadruple layer dual-flow bag design has extended the effective filter surface area by 3.5 times, comparing to conventional single profile bags. During operation, both bags participate in filtration simultaneously, double the flow rate.

**Illustration I.**



**I. Bi-Directional Flow**

The bottom of the bag is tied and fixed to the inner basket tie knobs, making the entire bag rigid, operators can easily install the bag into filter housing. In addition, such installation prevents bag twisting and back flush caused by liquid back flush.

**Illustration II.**



**II. Bag Bottom Tie Knobs**



**III. Removable Inner Basket**

Our innovative **REMOVALBE** inner strainer basket design completely eliminates the need for expensive basket re-work, and made the switch from conventional bag to Dual-flow Bag painless. Refer to **Illustration III.**

In conventional design of strainer basket for Dual-flow bags, the inner basket is welded inside outer basket, not only it requires customers to invest in specialized baskets, but also it makes the installation of filter bags a demanding task.

Our innovative design allows customers to utilize their existing standard baskets. The inner basket is **REMOVALBE**. To install our dual flow bag, all operators need to do is to insert the mobile inner basket into the inner bag, hang two tie-knobs located on the bag bottom to inner basket tie knobs, and install the bag into a standard basket.

**FEATURES**

- 200% higher flow rate, 3.5 times larger filter surface area.
- FDA compliant. 100% free of silicon contamination.
- Single & multiple layer depth media composites.
- 1 ~ 800 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	0.45	8.0	HEXB23, HECB23
Size 2	PP & PE	Felt	Welded/Stitched	820	180	0.90	17.5	HEXB45, HSTB45+

**TYPICAL APPLICATIONS**

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

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