

Donaldson  
Torit®



## ULTRA-WEB® SB PLEATED BAG FILTERS

### ENGINEERED FOR DUST COLLECTION

Pleated filter bags built with Ultra-Web® SB media deliver longer filter life, higher efficiency and offer greater energy savings than traditional filter bags.

The bags feature a spunbond substrate covered in a web of fine fibers 0.2 - 0.3 microns in diameter that trap dust at the surface of the filter. This advanced surface loading prevents particulates from settling in deep in the filter substrate, allowing Ultra-Web SB filter bags to last up to twice as long as traditional bags. The pleated construction increases the surface area of the filter giving you more filtration power with each bag.

### FEATURES & BENEFITS

- Advanced media captures submicron particles with proprietary fine fiber technology resulting in cleaner air
- Lower pressure drop saves energy
- Longer filter life reduces replacement, maintenance cost, and production downtime
- Tough spunbond polyester substrate provides high durability
- Spunbond substrate provides excellent moisture and chemical resistance
- All standard round filters feature an all synthetic design — no metal parts

Available for all popular brands of baghouse collectors



Ultra-Web SB Pleated Bag Filters

### THE ULTRA-WEB SB ADVANTAGE IS CLEANER AIR

Ultra-Web is proprietary and made with an electrospinning process that produces a very fine, continuous, resilient fiber of 0.2-0.3 micron in diameter to form a permanent web-like net. This fine fiber “web” with its very fine interfiber spaces is constructed onto tough spunbond substrate media, resulting in:

- A more robust media that captures even submicron dust on the surface
- Better pulse cleaning and lower pressure drop
- Cleaner air, longer filter life, and greater cost savings

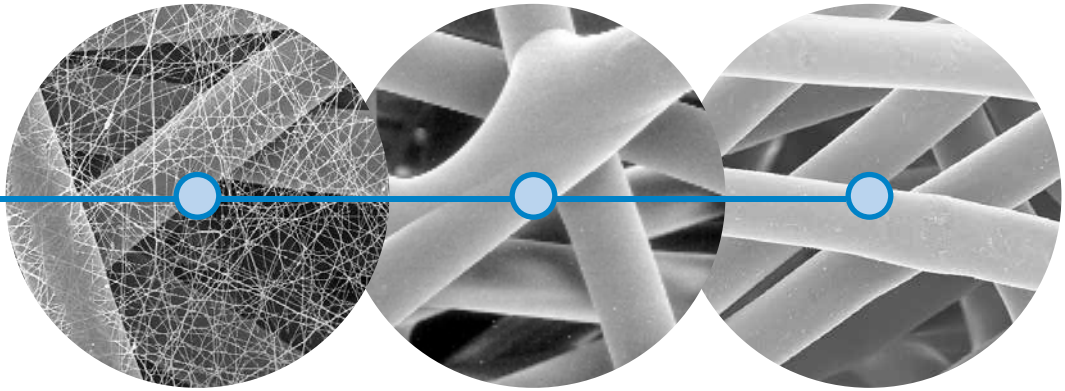
Pleated Bag Cleaning and Disposal

For environmental compliance, it is highly recommended to consult federal, state, and local environmental protection guidelines to determine the impact of washing or disposing of pleated bags. Many industry dusts are hazardous to our environment and are regulated by air quality standards and by national and local water standards during disposal.

## SEM+ IMAGES

1 micron = 1/25,400 of an inch (1/1000 of a millimeter)

10 micron



**Ultra-Web SB Fine Fiber Technology<sup>†</sup>** (600x)

**Spunbond Media** (600x)

**Standard 16 oz. Polyester Media** (600x)

<sup>†</sup> Scanning Electron Microscope

Only Ultra-Web SB efficiently captures submicron dust particulate. Standard spunbond and 16 oz. (453.6 g) polyester felt are not as efficient at filtering submicron particulate out of the air. Standard spunbond filters capture particulate at the 1-3 micron level, while 16 oz. (453.6 g) polyester felt only effectively captures at the 3-10 micron level.

Pleated Bag Filter	3-10 µm	1-3 µm	0.3-1 µm
Ultra-Web SB Pleated Bags	Excellent	Excellent	Excellent
Spunbond Pleated Bags	Excellent	Fair	Fair
16 oz. Polyester Felt Bags	Fair	Fair/Poor	Poor

## SPECIFICATIONS

MEDIA COMPOSITION	
Fine Fiber Technology	Proprietary synthetic fine fibers Mean fiber diameter of 0.2 µm
Substrate	Spunbond polyester
PLEATED BAG CONSTRUCTION	
Standard Construction	Molded top and bottom construction Polypropylene core Optimized pleat spacing
Options	EPDM Gasket on Top Load models Galvanized metal cores (good to 225°F)

### MEDIA COMPATIBILITY DATA

Temperature Resistance*	180°F (82°C)
Moisture Absorption**	0.2- 0.5% @ 70°F (21°C) and 65% RH
Chemical Tolerance***	Acids→Good      Oxidants→Good Bases→Good      Solvents→Good
Abrasion Resistance	Excellent per TAPPI 476 (Taber Method)

### FILTRATION PERFORMANCE

Range	1 micron and above
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\*For media only. \*\*Ultra-Web SB is relatively unaffected by environmental conditions involving combinations of high temperature, corrosive material, and moisture. \*\*\*A combination of chemicals may alter fiber resistance to the specified performance level. Chemical attack may compromise cartridge integrity and performance.

Significantly improve the performance of your collector with genuine Donaldson Torit replacement filters and part

#### Important Notice

Many factors beyond the control of Donaldson can affect the use and performance of Donaldson products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user's application. All products, product specifications, availability and data are subject to change without notice, and may vary by region or country.



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