Donaldson
Torit®

ULTRA-WEB® SB PLEATED BAG FILTERS

ENGINEERED FOR DUST COLLECTION

- Advanced media captures submicron particles with proprietary nanofiber technology
- Lower pressure drop saves energy
- Longer filter life reduces replacement and maintenance costs
- Less production downtime
- Tough spunbond polyester substrate provides high durability
- Excellent moisture resistance
- Excellent chemical resistance
- Food grade compliant version available
- 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

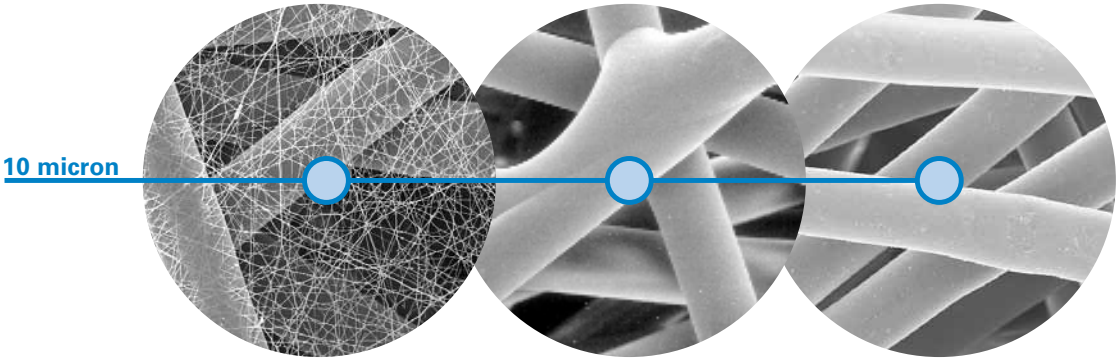
THE ULTRA-WEB® SB ADVANTAGE IS CLEANER AIR

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 nanofiber "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

SEM† IMAGES

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



Ultra-Web SB Nanofiber Technology† (600x)

Spunbond Media (600x)

Standard 16 oz. Polyester Media (600x)

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	
Nanofiber Technology	Proprietary synthetic nanofibers 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 Galvenized metal cores (good to 225°F FDA compliant version

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 Bases→Good	Oxidants→Good Solvents→Good
Abrasion Resistance	Excellent per TAPPI 476 (Taber Method)	

FILTRATION PERFORMANCE	
Range	0.3 micron and above

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.

† Scanning Electron Microscope

* 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.

Craig Equipment Company

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