

- Fine fiber technology ensures longer filter life at a significantly lower pressure drop
- Substrate media features increased rigidity, higher durability, and superior cleanability
- MERV* 15 filtration efficiency rating per ASHRAE 52.2-2007
- Carbon impregnated media dissipates static charge build up
- Superior particle release due to surface filtration
- Lower pressure drop saves energy
- Longer filter life reduces replacement and maintenance costs
- Stainless steel construction available



Ultra-Web Conductive FR Cartridge

APPLICATIONS

- Premium performance on extremely fine, dry, and combustible dust
- Durable for more abrasive dust

THE ULTRA-WEB ADVANTAGE IS CLEANER AIR

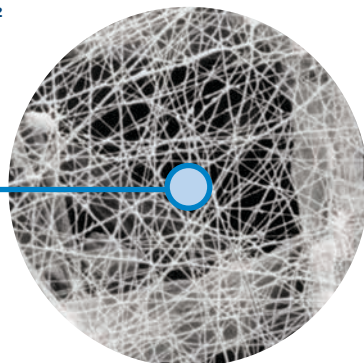
Ultra-Web® is proprietary and made with an electrospinning process that produces a very fine, continuous, resilient fiber of 0.2-0.3 micron in diameter to form a permanent web-like net. This fine fiber “web” with its very fine interfiber spaces is constructed onto tough cellulose substrate media, resulting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

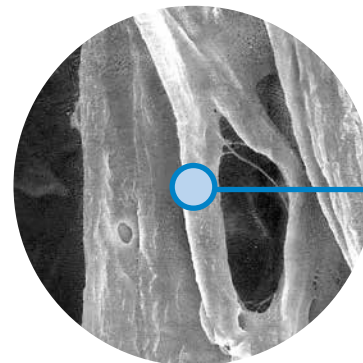
SEM IMAGES²

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

10 micron



Ultra-Web (600x)
Fine Fiber Media



Cellulose (600x)

SPECIFICATIONS

MEDIA COMPOSITION	
Fine Fiber Technology	Durable proprietary synthetic filter media fibers and polymer Mean fiber diameter of 0.2 µm
Substrate	Premium blend of carbon impregnated cellulose fibers
Media Compatibility Data	
Temperature Resistance	180°F / 82°C
Moisture Absorption**	Maximum 14% @ 70°F (21°C) and 65% RH
Chemical Tolerance***	Acids→Poor Oxidants→Poor Bases→Fair Solvents→Fair
Abrasion Resistance	Good per TAPPI 476 (Taber Method)

CARTRIDGE CONSTRUCTION	
Standard Construction	Galvanized metal end caps Galvanized expanded metal liner 72% open area Urethane gasket
Options	Stainless steel liner and end caps No outer liner version EPDM gasket
Conductivity	10° OHM Resistance

MEDIA EFFICIENCY	
U.S. Efficiency Rating	MERV* 15 per ASHRAE 52.2-2007

CONFIGURATIONS

Models	Filtration Area		Pleat Height		Dimensions		Flame Retardant
	ft²	m²	in	mm	in	mm	
BinVent (TBV)	226.0	21.0	2.0	50.8	12.74 x 26.0	323.6 x 660.4	X
Downdraft Bench	254.0	23.6	2.0	50.8	13.84 x 26.0	351.5 x 660.4	X
Downflo® (DF)	226.0	21.0	2.0	50.8	12.74 x 26.0	323.6 x 660.4	X
Downflo II (DFT)	254.0	23.6	2.0	50.8	13.84 x 26.0	351.5 x 660.4	X
Downflo Oval (DFO)	190.0	17.7	1.5	38.1	11.4 x 14.4 x 26.0	288.5 x 364.7 x 660.4	X
Downflo Evolution (DFE)	254.0	23.6	2.0	50.8	13.74 x 13.74 x 26.0	349.1 x 349.1 x 660.4	X
Downflo WorkStation (DWS)	190.0	17.7	1.5	38.1	11.4 x 14.4 x 26.0	288.5 x 364.7 x 660.4	X
Downflo (SDF)	103.0	9.6	2.0	50.8	9.2 x 22.3	233.9 x 566.1	X
Downflo Containment System (DCS)	190.0	17.7	1.5	38.1	11.4 x 14.4 x 26.0	288.5 x 364.7 x 660.4	X
Environmental Control Booth (ECB)	226.0	21.0	2.0	50.8	12.74 x 26.0	323.6 x 660.4	X
MTD	226.0	21.0	2.0	50.8	12.74 x 26.0	323.6 x 660.4	X
TD Large	226.0	21.0	2.0	50.8	12.74 x 26.0	323.6 x 660.4	X
TD Small	60.0	5.6	2.0	50.8	7.9 x 16.0	201.4 x 406.4	X

* The Minimum Efficiency Reporting Value (MERV) of this filter cartridge has been determined through independent laboratory testing using ASHRAE 52.2 (2007) test standards. The MERV rating was determined at a face velocity of 118 feet per minute (36.0 meters per minute) and loading up to four inches (101.6 millimeters) water gauge. Actual efficiency of any filter cartridge will vary according to the specific application parameters. Dust concentration, airflow, particle characteristics, and pulse cleaning methods all affect filtration efficiency.

** Environmental conditions involving combinations of high temperature, corrosive material, and moisture can reduce media strength. Reduction in media strength may compromise cartridge integrity and performance.

*** A combination of chemicals may alter fiber resistance to the specified performance level. Chemical attack may compromise cartridge integrity and performance.

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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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