

- Fine fiber technology ensures longer filter life at a significantly lower pressure drop
- Specially designed for dry, high temperature applications
- MERV* 14 filtration efficiency rating per ASHRAE 52.2-2007
- Very good choice for metallurgical, chemical, and industrial applications including foundry shake out, drying of silica gel, & aggregate drying
- Exceptional filtration at temperatures up to 275°F (135°C)
- Very good chemical tolerance
- Good abrasion resistance

APPLICATIONS

- Metallurgical, chemical, and industrial applications including foundry shakeout and shot blast, drying of silica gel, carbon manufacturing, raw and finish milling of cement, and aggregate drying
- Stainless steel Thermo-Web is recommended for applications requiring good chemical tolerance
- High temperature applications



Thermo-Web Cartridge

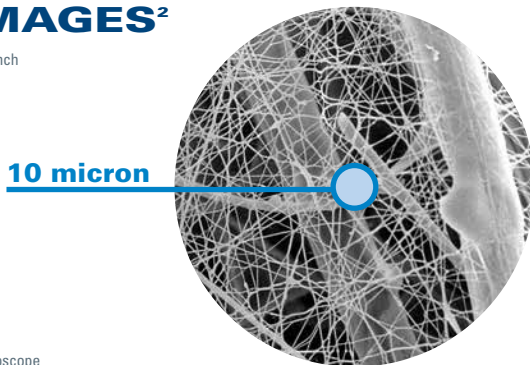
THE ULTRA-WEB ADVANTAGE IS CLEANER AIR

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:

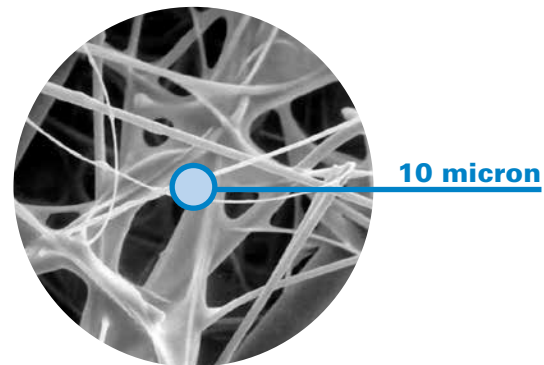
- A more robust media that captures even submicron dust on the surface
- Better pulse cleaning and lower pressure drop
- Cleaner air, longer filter life, and greater cost savings

SEM IMAGES²

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



Thermo-Web Media (600x)



Synthetic Media (600x)

† Scanning Electron Microscope
* Refer to Minimum Efficiency Reporting Value on page 2.

SPECIFICATIONS

MEDIA COMPOSITION	
Fine Fiber Technology	Proprietary synthetic fine fibers Mean fiber diameter of 0.2 µm
Substrate	Proprietary blend of synthetic fibers Maintains strength and filtration capabilities at temperatures up to 275°F/135°C
CARTRIDGE CONSTRUCTION	
Standard Construction	Galvanized expanded metal liner 72% open area Galvanized metal end caps Special adhesives and gaskets for structural and sealing integrity at higher temperatures
Options	Optional stainless steel liner and end caps

MEDIA COMPATIBILITY DATA	
Temperature Resistance	275°F / 135°C
Moisture Absorption**	Maximum 14% @ 70°F (21°C) and 65% RH
Chemical Tolerance***	Acids→Good Oxidants→Good Bases→Good Solvents→Good
Abrasion Resistance	Good per TAPPI 476 (Taber Method)

MEDIA EFFICIENCY	
U.S. Efficiency Rating	MERV* 14 per ASHRAE 52.2-2007

CONFIGURATIONS

Collector	Filter Area		Pleat Height		Dimensions	
	ft²	m²	in	mm	in	mm
Bin Vent (TBV)	182.0	16.9	2.0	50.8	12.74 x 26.0	323.6 x 660.4
Downflo® (DF)	182.0	16.9	2.0	50.8	12.74 x 26.0	323.6 x 660.4
Downflo II (DFT)	198.0	18.4	2.0	50.8	13.84 x 26.0	351.5 x 660.4
Downflo Containment System (DCS)	148.0	13.8	1.5	38.1	11.4 x 14.4 x 26.0	288.5 x 364.7 x 660.4
Downflo® Oval (DFO)	148.0	13.8	1.5	38.1	11.4 x 14.4 x 26.0	288.5 x 364.7 x 660.4
Downflo® Evolution (DFE)	194.0	18.0	2.0	50.8	13.74 x 13.74 x 26.0	349.1 x 349.1 x 660.4
Downflo Workstation (DWS)	148.0	13.8	1.5	38.1	11.4 x 14.4 x 26.0	288.5 x 364.7 x 660.4
MTD	182.0	16.9	2.0	50.8	12.74 x 26.0	323.6 x 660.4
TD Large	182.0	16.9	2.0	50.8	12.74 x 26.0	323.6 x 660.4
TD Small	73.0	6.8	2.0	50.8	7.9 x 22.0	201.4 x 558.8
	52.0	4.8			7.9 x 16.0	201.4 x 406.4

* 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.

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

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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