

- Nanofiber 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



Thermo-Web™ Cartridge

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

THE ULTRA-WEB ADVANTAGE IS CLEANER AIR

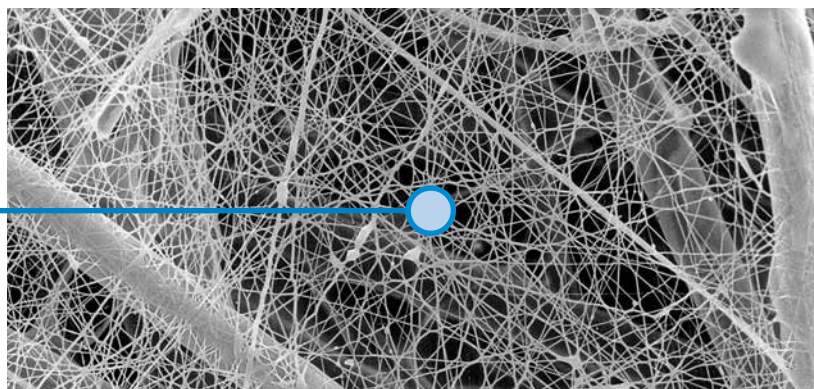
Ultra-Web® is proprietary and made with an electrospinning process that produces a very fine, continuous, resilient fiber of 0.2-0.3 micron in diameter to form a permanent web-like net. This nanofiber “web” with its very fine interfiber spaces is constructed onto tough synthetic substrate media, resulting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

10 micron



Thermo-Web™ Media (600x)

SPECIFICATIONS

MEDIA COMPOSITION	
Nanofiber Technology	Proprietary synthetic nanofibers 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

COMPRESSED AIR REQUIREMENTS	
90 - 100 psi (6-7 bar)	
Dry, clean, oil-free	

CONFIGURATIONS

Collector	Filter Area		Dimensions		Thermo-Tek	Thermo-Tek Stainless Steel	Pleat Height	
	ft²	m²	in	mm			in	mm
Bin Vent (TBV)	180	16.7	12.74 x 26	323.6 x 660.4	•		2.0	50.8
Downflo® (DF)	180	16.7	12.74 x 26	323.6 x 660.4	•	•	2.0	50.8
Downflo II (DFT)	200	18.5	13.84 x 26	351.5 x 660.4	•	•	2.0	50.8
Downflo Containment System (DCS)	148	13.8	11.4 x 14.4 x 26	289.6 x 356.8 x 660.4	•	•	1.5	38.1
Downflo® Oval (DFO)	148	13.8	11.4 x 14.4 x 26	289.6 x 356.8 x 660.4	•	•	1.5	38.1
Downflo Workstation (DWS)	180	16.7	11.4 x 14.4 x 26	289.6 x 356.8 x 660.4	•	•	1.5	38.1
MTD	180	16.7	12.74 x 26	323.6 x 660.4	•		2.0	50.8
TD Large	180	16.7	12.74 x 26	323.6 x 660.4	•		2.0	50.8
TD Small	73	6.8	7.9 x 22	200.7 x 558.8	•		2.0	50.8

* 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. **Call Donaldson Torit today 800-365-1331.**



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EXACTLY WHAT YOU NEED.™

Thermo-Web Cartridge (11/12)
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