Donaldson®
Torit®

HIGH TEMPERATURE CARTRIDGE

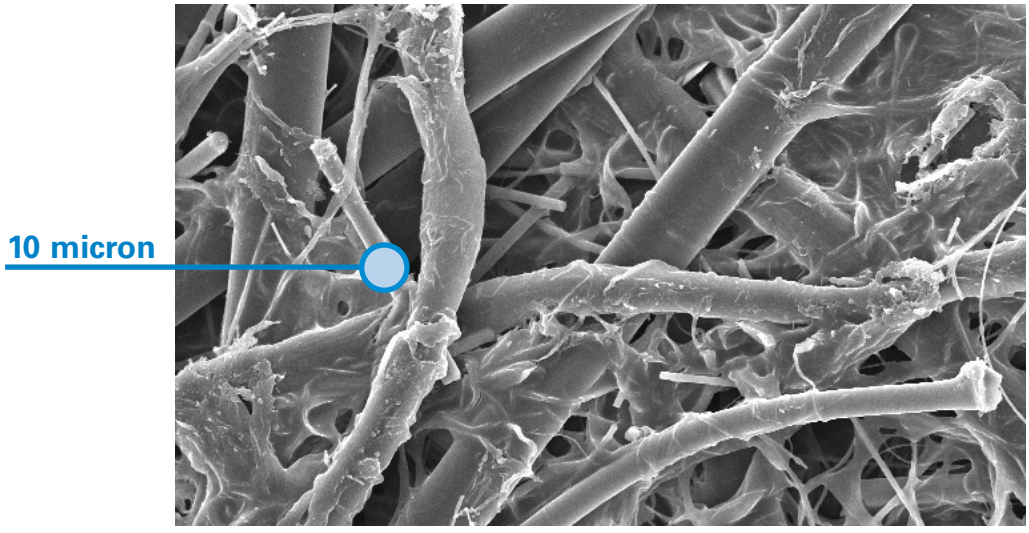
ENGINEERED FOR DUST COLLECTION

- Specially designed for dry, high temperature applications
- Combination of two proprietary blends of high temperature synthetic fibers: Kevlar®* and Nomex®*
- MERV** 13 filtration efficiency rating per ASHRAE 52.2-2007
- Very good choice for metallurgical, chemical, and industrial applications
- Exceptional filtration at temperatures up to 350°F (177°C)
- Excellent abrasion resistance
- Very good chemical tolerance**

High Temperature Cartridge

SEM† IMAGES

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



High Temperature Media (600x)

APPLICATIONS

- Metallurgical, chemical processing and industrial applications
- High temperature applications
- Stainless steel high temperature is recommended for applications requiring good chemical tolerance

* Kevlar and Nomex are registered trademarks of E.I. DuPont de Nemours & Co., Inc.
** Refer to Technical Information on page 2.
† Scanning Electron Microscope

SPECIFICATIONS

MEDIA COMPATIBILITY DATA

Temperature Resistance	350°F 177°C
Moisture Absorption**	Maximum 14% @ 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)

MEDIA COMPOSITION

Substrate	Proprietary blend of synthetic fibers including Kevlar & Nomex

MEDIA EFFICIENCY

U.S. Efficiency Rating	MERV* 13 per ASHRAE 52.2-2007

CARTRIDGE CONSTRUCTION

Standard Construction	Galvanized metal end caps Galvanized expanded metal liner 72% open area Special adhesives and gaskets for structural and sealing integrity
Options	Optional stainless steel liner and end caps

CONFIGURATIONS

	Filter Area		Pleat Height		Cartridge Dimensions	
Collector Models	ft^2	m^2	in	mm	in	mm
Bin Vent (TBV)	205.0	19.1	2.0	50.8	12.74 x 26.0	323.6 x 660.4
Downflo® (DF)	203.0	18.9	2.0	50.8	12.74 x 26.0	323.6 x 660.4
Downflo II (DFT)	220.0	20.4	2.0	50.8	13.84 x 26.0	351.5 x 660.4
Downflo Containment System (DCS)	164.0	15.2	1.5	38.1	11.4 x 14.4 x 26.0	288.5 x 364.7 x 660.4
Downflo Oval (DFO)	164.0	15.2	1.5	38.1	11.4 x 14.4 x 26.0	288.5 x 364.7 x 660.4
Downflo® Evolution (DFE)	220.0	20.4	2.0	50.8	13.74 x 13.74 x 26.0	349.1 x 349.1 x 660.4
Downflo WorkStation (DWS)	164.0	15.2	1.5	38.1	11.4 x 14.4 x 26.0	288.5 x 364.7 x 660.4
MTD	205.0	19.1	2.0	50.8	12.74 x 26.0	323.6 x 660.4
TD Small	54.0	5.0	2.0	50.8	7.9 x 16.0	20.1 x 406.4
TD Large	205.0	19.1			12.74 x 26.0	323.6 x 660.4

* 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.

Donaldson FILTRATION SOLUTIONS

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EXACTLY WHAT YOU NEED.™

Data Sheet High Temperature Cartridge (6/15)