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**

APPLICATIONS

Metallurgical, chemical processing and industrial applications

High temperature applications

Stainless steel high temperature is recommended for applications requiring good chemical tolerance

SEM IMAGES

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

10 micron

High Temperature Cartridge

High Temperature Media (600x)

* Kevlar and Nomex are registered trademarks of E.I. DuPont de Nemours & Co., Inc.

** Refer to Technical Information on page 2.

† Scanning Electron Microscope
**SPECFICATIONS**

**MEDIA COMPATIBILITY DATA**

<table>
<thead>
<tr>
<th>Temperature Resistance</th>
<th>350°F 177°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moisture Absorption**</td>
<td>Maximum 14% @ 70°F (21°C) and 65% RH</td>
</tr>
<tr>
<td>Chemical Tolerance***</td>
<td>Acids→Good Bases→Good Oxidants→Good Solvents→Good</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>Excellent per TAPPI 476 (Taber Method)</td>
</tr>
</tbody>
</table>

**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 |

**MEDIA COMPOSITION**

| Substrate | Proprietary blend of synthetic fibers including Kevlar & Nomex |

**CONFIGURATIONS**

<table>
<thead>
<tr>
<th>Collector Models</th>
<th>Filter Area</th>
<th>Pleat Height</th>
<th>Cartridge Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ft²</td>
<td>m²</td>
<td>in</td>
</tr>
<tr>
<td>Bin Vent (TBV)</td>
<td>205.0</td>
<td>19.1</td>
<td>2.0</td>
</tr>
<tr>
<td>Downflo® (DF)</td>
<td>203.0</td>
<td>18.9</td>
<td>2.0</td>
</tr>
<tr>
<td>Downflo II (DFT)</td>
<td>220.0</td>
<td>20.4</td>
<td>2.0</td>
</tr>
<tr>
<td>Downflo Containment System (DCS)</td>
<td>164.0</td>
<td>15.2</td>
<td>1.5</td>
</tr>
<tr>
<td>Downflo Oval (DFO)</td>
<td>164.0</td>
<td>15.2</td>
<td>1.5</td>
</tr>
<tr>
<td>Downflo® Evolution (DFE)</td>
<td>220.0</td>
<td>20.4</td>
<td>2.0</td>
</tr>
<tr>
<td>Downflo WorkStation (DWS)</td>
<td>164.0</td>
<td>15.2</td>
<td>1.5</td>
</tr>
<tr>
<td>MTD</td>
<td>205.0</td>
<td>19.1</td>
<td>2.0</td>
</tr>
<tr>
<td>TD Small</td>
<td>54.0</td>
<td>5.0</td>
<td>2.0</td>
</tr>
<tr>
<td>TD Large</td>
<td>205.0</td>
<td>19.1</td>
<td>2.0</td>
</tr>
</tbody>
</table>

* 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.

**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.

Significantly improve the performance of your collector with genuine Donaldson Torit replacement filters and parts. **Call Donaldson Torit at 800-365-1331.**

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