• Smooth, hydrophobic, state-of-the-art PTFE membrane provides excellent particle release during pulse cleaning
• MERV* 16 filtration efficiency per ASHRAE 52.2-2007
• Torit-Tex CD and HCD cartridges are conductive.**
• Torit-Tex HCD is for use in higher temperatures up to 275°F/135°C
• Very good chemical tolerance**

APPLICATI ONS
• Highly recommended for chemical, food, and industrial processing when product contamination must be minimized
• Excellent performance in moist, hygroscopic, and agglomerative applications where the use of a PTFE membrane is suggested
• Torit-Tex CD and HCD are recommended for conditions where electrostatic charges can be hazardous

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

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

### MEDIA COMPOSITION

| Substrate          | PTFE surface membrane with average fiber diameters of 0.2 µm  
| Composition of Conductive Media | Carbon impregnated spunbond polyester |

### CARTRIDGE CONSTRUCTION

| Standard Construction | Galvanized expanded metal liner  
| 60% open area  
| Galvanized metal end caps  
| Standard urethane gasket or special hi-temp gasket  
| Optional stainless steel liner and end caps  
| Conductivity for Torit-Tex CD & HCD | Resistivity level 10^6 OHM  
| Options | Stainless steel liner and end caps  
| EPDM gasket |

### MEDIA COMPATIBILITY DATA

| Temperature Resistance | STD 200°F  
| CD 93°C  
| HCD 275°F  
| 135°C  
| Moisture Absorption** | Maximum 0.5%  
| @ 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* 16 per ASHRAE 52.2-2007

### CONFIGURATIONS

<table>
<thead>
<tr>
<th>Models</th>
<th>Filtration Area</th>
<th>Pleat Height</th>
<th>Dimensions</th>
<th>Torit-Tex CD</th>
<th>Torit-Tex HCD</th>
</tr>
</thead>
<tbody>
<tr>
<td>BinVent (TBV)</td>
<td>67.0 (ft²)</td>
<td>6.2 (m²)</td>
<td>1.5 (in)</td>
<td>38.1 (mm)</td>
<td>12.74 x 26.0</td>
</tr>
<tr>
<td>Downdraft Bench</td>
<td>74.0 (ft²)</td>
<td>6.9 (m²)</td>
<td>1.5 (in)</td>
<td>38.1 (mm)</td>
<td>12.8 x 26.0</td>
</tr>
<tr>
<td>Downflo® (DF)</td>
<td>67.0 (ft²)</td>
<td>6.2 (m²)</td>
<td>1.5 (in)</td>
<td>38.1 (mm)</td>
<td>11.7 x 26.0</td>
</tr>
<tr>
<td>Downflo II (DFT)</td>
<td>74.0 (ft²)</td>
<td>6.9 (m²)</td>
<td>1.5 (in)</td>
<td>38.1 (mm)</td>
<td>12.8 x 26.0</td>
</tr>
<tr>
<td>Downflo Oval (DFO)</td>
<td>69.0 (ft²)</td>
<td>6.4 (m²)</td>
<td>1.5 (in)</td>
<td>38.1 (mm)</td>
<td>11.4 x 14.4</td>
</tr>
<tr>
<td>Downflo® Evolution (DFE)</td>
<td>74.0 (ft²)</td>
<td>6.9 (m²)</td>
<td>1.5 (in)</td>
<td>38.1 (mm)</td>
<td>13.7 x 13.7</td>
</tr>
<tr>
<td>Downflo WorkStation (DWS)</td>
<td>69.0 (ft²)</td>
<td>6.4 (m²)</td>
<td>1.5 (in)</td>
<td>38.1 (mm)</td>
<td>11.4 x 14.4</td>
</tr>
<tr>
<td>Downflo (SDF)</td>
<td>38.0 (ft²)</td>
<td>3.5 (m²)</td>
<td>1.5 (in)</td>
<td>38.1 (mm)</td>
<td>9.2 x 22.3</td>
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<tr>
<td>Downflo Containment System (DCS)</td>
<td>69.0 (ft²)</td>
<td>6.4 (m²)</td>
<td>1.5 (in)</td>
<td>38.1 (mm)</td>
<td>11.4 x 14.4</td>
</tr>
<tr>
<td>Environmental Control Booth (ECB)</td>
<td>67.0 (ft²)</td>
<td>6.2 (m²)</td>
<td>1.5 (in)</td>
<td>38.1 (mm)</td>
<td>12.74 x 26.0</td>
</tr>
<tr>
<td>MTD</td>
<td>67.0 (ft²)</td>
<td>6.2 (m²)</td>
<td>1.5 (in)</td>
<td>38.1 (mm)</td>
<td>12.74 x 26.0</td>
</tr>
<tr>
<td>TD Large</td>
<td>67.0 (ft²)</td>
<td>6.2 (m²)</td>
<td>1.5 (in)</td>
<td>38.1 (mm)</td>
<td>12.74 x 26.0</td>
</tr>
<tr>
<td>TD Small</td>
<td>25.0 (ft²)</td>
<td>2.3 (m²)</td>
<td>1.1 (in)</td>
<td>27.9 (mm)</td>
<td>7.9 x 16.0</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.

** 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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