



















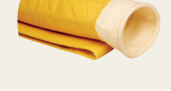
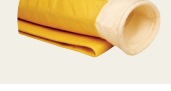





# DONALDSON CARTRIDGE FILTER MEDIA SELECTION GUIDE

| Cartridge Type                  | Cartridge Image   | Base Media   | Maximum Operating Temperature | Abrasion Resistance | Chemical Tolerance | Optional Flame Retardant Media (FR) | Special Characteristics   | Markets  | Applications   | Dust Types  | Available for Collectors   |
|---------------------------------|---|--|-------------------------------|---------------------|--------------------|-------------------------------------|---|--|--|---|--|
| Ultra-Web®                      |    | Cellulose with Nanofibre <sup>1</sup>  | 82°C                          | Good                | Fair               | Yes                                 | Nanofibre media provides excellent surface loading and dust release capabilities.                               | Metalising, Pharmaceutical, General industrial, Paint pigments, Carbon black, Thermal spray, Welding                 | Premium performance on ambient, extremely fine and non-fibrous dust and some abrasive dust. High filtration efficiency on very fine particulate of <1 micron                             | Fumed silica, Metallic fume, Metallurgical powders, Oily weld fume, Pharmaceutical compounds            | AAT; AER; AT; AT-3000; CF; CX; DB; DCS; DF; DFE; DFO; DFT; DWS; ECB; ET; MTD; PB; PT; SDF; T-2000; TBV; TD; WB |
| Ultra-Web® SB                   |    | Spunbond polyester with Nanofibre <sup>1</sup>   | 82°C                          | Excellent           | Excellent          | No                                  | Wide pleat spacing, abrasion resistive, moisture tolerant.  | Chemical processing, General industrial, Surface blasting, Grinding, Polishing, Powder coating, Pharmaceutical, Food | Chemical processing, General industrial, Surface blasting, Grinding, Polishing, Powder coating   | Ceramics, Cotton, Fiberglass, Tobacco, Metal grinding, Powder coating, Shot blast, Gypsum, Lime, Cement | AER; AT; CF; CX; DB; DF; DFE; DFO; DFT; DWS; ECB; MTD; PB; SDF; TBV; TD  |
| Fibra-Web®                      |    | Synthetic with Nanofibre <sup>1</sup>  | 82°C                          | Good                | Good               | Yes                                 | Wide pleat spacing provides thorough pulse cleaning of fibrous and agglomerative particles.                     | Composite Grinding, Food processing, Grain handling, Metal buffing, Pharmaceutical, Textiles, Woodworking            | Excellent performance on combination fibrous and non-fibrous dust, and/or agglomerative dust   | Ceramics, Cotton, Fiberglass, Tobacco   | AER; AT; CF; CX; DB; DCS; DF; DFE; DFO; DFT; DWS; ECB; MTD; PB; SDF; STD; TBV; TD                              |
| Thermo-Web™                     |    | Synthetic with Nanofibre <sup>1</sup>  | 135°C                         | Good                | Good               | No                                  | Excellent efficiencal and surface loading capabilities at higher temperatures                                   | Cement processing, Chemical processing, Metallurgical, Pharmaceutical  | Metallurgical, Chemical and Industrial applications. Higher temperature applications   | Carbon, Cement, Foundry shakeout, Metal powders, Shot blast, Silica gel drying, Thermal spray           | DCS; DF; DFE; DFO; DFT; DWS; ECB; STD; TBV; TD   |
| Ultra-Web® AS                   |    | Carbon impregnated Cellulose with Nanofibre <sup>1</sup>                                     | 82°C                          | Good                | Fair               | No                                  | Anti-static media, 10 OHM resistance  | Chemical processing, General industrial, Pharmaceutical, Pulp and paper  | Applications where electrostatic charges can accumulate  | Coal, Plastics, Powered materials, Carbon Black/Toner   | DCS; DF; DFE; DFO; DFT; DWS; ECB; SDF; TBV; TD   |
| Torit-TEX®                      |    | Spunbond polyester with Tetratex® PTFE membrane <sup>2</sup>                                 | 93°C                          | Excellent           | Excellent          | No                                  | Wide pleat spacing and smooth, hydrophobic, state-of-the-art PTFE membrane provides excellent particle release. | Chemical processing, Food processing, General industrial   | Highly recommended for chemical, food, and industrial processing when product contamination must be minimised. Excellent performance on moist, hygroscopic, or agglomerative dust.       | Dextrose, Flour, Starch, Sugar, Whey  | AER; AT; CF; CX; DB; DCS; DF; DFE; DFO; DFT; DWS; ECB; MTD; PB; SD; SDF; TBV; TD                               |
| Torit-TEX CD-<br>Torit-TEX HCD® |   | Carbon impregnated, Calendered, Spunbond polyester with Tetratex® PTFE membrane <sup>2</sup> | CD:93°C<br>HCD: 1350C         | Excellent           | Excellent          | No                                  | Conductive media with certified resistivity level of 10 OHM.  | Chemical processing, General industrial, Pharmaceutical, Pulp and paper  | CD: Higher temperature applications where electrostatic charges can be dangerous<br>HCD: Applications where electrostatic charges can dangerous and with higher temperatures up to 135°C | Coal, Plastics, Powdered materials, Prepared food   | DCS; DF; DFO; DFT; DWS; STD  |
| High Temp                       |  | Synthetic Kevlar <sup>4</sup> / Nomex <sup>3</sup>   | 177°C                         | Excellent           | Good               | No                                  | Special gaskets and adhesives assure structural integrity and airtight sealing characteristics.                 | Chemical processing, General industrial  | Metallurgical, Chemical and Industrial processes. Higher temperature applications up to 177°C  | Cement, Coal/Coke, Ink, Paint pigment   | AER, DCS; DF; DFE; DFO; DFT; DWS; ECB; MTD; PB; STD; TBV; TD   |
| Dryflo®                         |  | Synthetic  | 66°C                          | NA                  | Fair               | No                                  | Prefilter coalesces smaller droplets into larger droplets.  | Metalworking   | Wet machining  | Water soluble, straight oils  | ADMC; C; D-1-D10; DMC; DMC-MMA; MMB  |
| WSO                             |  | Polyester and Glass  | 66°C                          | NA                  | Good               | No                                  | Proprietary bonding system stabilises pore structure for optimum performance                                    | Metalworking   | Metal Cutting, Grinding, Forming   | Water soluble, straight oils and Oily smoke   | WSO-10; WSO-15; WSO-20; WSO-25   |
| Vibra-Shake®                    |  | Cellulose  | 66°C                          | Good                | Fair               | No                                  | Prefilter wrap sieves larger particulate.   | Grinding and polishing, Bag dumping  | Higher efficiency and easier maintenance for applications where envelope filters are typically used. Intermittent duty applications and machining  | Metal grinding, Carbon dust, Graphite dust  | RVS; SP; VS  |
| Ultra-Tek®                      |  | Synthetic  | 82°C                          | Good                | Good               | Yes                                 | Proprietary blend of fibres and wide pleat spacing reduce pressure drop and increase airflow.                   | Composite grinding, Grain handling, Textiles, Woodworking  | Applications with fibrous dusts of >10 micron particulate  | Ceramics, Composites, Fiberglass, Wood dust   | AER; AT; CX; DB; DCS; DF; DFO; DFT; DWS; ECB; MTD; PB; SDF; TBV; TD  |
| Endura-Tek®                     |  | Cellulose and Synthetic fibres   | 82°C                          | Good                | Fair               | Yes                                 | Delivers extended filter life over traditional untreated cellulose media.                                       | Humid climates   | Ambient, non-fibrous dust applications under humid conditions. Economical choice for operations with forced or cyclical filter replacement (independent of pressure drop)                | Gypsum, Lime, Shot blast  | AER; AT; CF; CX; DB; DCS; DF; DFO; DFT; DWS; ECB; MTD; PB; STD; TD   |
| Cellulex®                       |  | Cellulose  | 82°C                          | Good                | Fair               | Yes                                 | Enhanced performance due to a unique combination of fibre sizes and a more uniform fiber distribution.          | Superior to felts, fabrics, cotton cloths, and similar media   | Applications with dry, coarse particulate. Economical choice for operations with forced or cyclical filter replacement (independent of pressure drop)                                    | Various   | AER; AT; CX; DB; DCS; DF; DFO; DFT; DWS; ECB; MTD; PB; SDF; STD; TBV; TD                                       |

# DONALDSON BAG FILTER MEDIA SELECTION GUIDE

| Bag Type                       | Bag Image   | Weight  | Thickness                       | Air permeability   | Maximum Operating Temperature | Maximum surge temperature | Abrasion resistance | Alkalies resistance | Chemical resistance | Electrical resistance (ASTM IST 40.1) | Subject to Hydrolysis | Oleophobicity drop testing rating | Available for Donaldson Torit baghouse collectors                      |
|--------------------------------|---|---|---------------------------------|--|-------------------------------|---------------------------|---------------------|---------------------|---------------------|---------------------------------------|-----------------------|-----------------------------------|--|
| Dura-Life Polyester            |    | 355.9 g/m <sup>2</sup><br>10.5 oz/yd <sup>2</sup> | 1.47-1.72 mm<br>0.058-0.068 in. | 35-40 cfm @ 0.5" wg<br>59-68 m <sup>3</sup> /h @ 1.25 mbar | 135°C<br>275°F                | 149°C<br>300°F            | Good                | Good                | Fair                | NA                                    | Yes                   | NA                                | DLMC, DLMV, DU, DY, FS, FT, HPB, HP, IRD, LP, MB, PJ, PJD, RF, RSD, TJ |
| Dura-Life Epitropic            |    | 339.0 g/m <sup>2</sup><br>10.0 oz/yd <sup>2</sup> | 1.47-1.72 mm<br>0.058-0.068 in. | 43-51 cfm @ 0.5" wg<br>73-87 m <sup>3</sup> /h @ 1.25 mbar | 135°C<br>275°F                | 149°C<br>300°F            | Good                | Good                | Fair                | <1 x 08 ohms <sup>2</sup>             | Yes                   | NA                                | DLMC, DLMV, DU, DY, FS, FT, HPB, HP, LP, MB, PJ, PJD, RF, RJ, RSD, TJ  |
| Dura-Life Oleophobic           |    | 339.0 g/m <sup>2</sup><br>10.0 oz/yd <sup>2</sup> | 1.47-1.72 mm<br>0.058-0.068 in. | 35-40 cfm @ 0.5" wg<br>59-68 m <sup>3</sup> /h @ 1.25 mbar | 135°C<br>275°F                | 149°C<br>300°F            | Good                | Good                | Fair                | NA                                    | Yes                   | 5.5 minimum                       | DLMC, DLMV, DU, DY, FS, FT, HPB, HP, LP, MB, PJ, PJD, RF, RJ, RSD, TJ  |
| Dura-Life Epitropic Oleophobic |    | 339.0 g/m <sup>2</sup><br>10.0 oz/yd <sup>2</sup> | 1.47-1.72 mm<br>0.058-0.068 in. | 43-51 cfm @ 0.5" wg<br>73-87 m <sup>3</sup> /h @ 1.25 mbar | 135°C<br>275°F                | 149°C<br>300°F            | Good                | Good                | Fair                | <1x08 ohms <sup>2</sup>               | Yes                   | 5.5 minium                        | DLMC, DLMV, DU, DY, FS, FT, HPB, HP, LP, MB, PJ, PJD, RF, RJ, RSD, TJ  |
| Aramid                         |    | 474.6 g/m <sup>2</sup><br>14.0 oz/yd <sup>2</sup> | 2.0-2.5 mm<br>0.080-0.100 in.   | 35-45 cfm @ 0.5" wg<br>59-76 m <sup>3</sup> /h @ 1.25 mbar | 204°C<br>400°F                | 218°C<br>425°F            | Good                | Good                | Fair                | NA                                    | Yes                   | NA                                | DLMC, DLMV, DU, DY, FS, FT, HP, LP, MB, PJ, PJD, RF, RSD, TJ           |
| PTFE® Tetratex®                |    | 542.4 g/m <sup>2</sup><br>16.0 oz/yd <sup>2</sup> | 1.5-2.0 mm<br>0.060-0.080 in.   | 10-12 cfm @ 0.5" wg<br>17-20 m <sup>3</sup> /h @ 1.25 mbar | 135°C<br>275°F                | 177°C<br>350°F            | Excellent           | Excellent           | Excellent           | NA                                    | No                    | NA                                | DLMC, DLMV, DU, FS, FT, HP, LP, MB, MTJ, PJ, PJD, RF, RJ, RSD, TJ      |
| P84®                           |  | 542.4 g/m <sup>2</sup><br>16.0 oz/yd <sup>2</sup> | 2.28-2.79 mm<br>0.090-0.110 in. | 20-45 cfm @ 0.5" wg<br>34-68 m <sup>3</sup> /h @ 1.25 mbar | 238°C<br>460°F                | 260°C<br>500°F            | Good                | Poor                | Poor                | NA                                    | Yes                   | NA                                | DLMC, DLMV, DU, FS, FT, HP, LP, MB, MTJ, PJ, PJD, RF, RJ, RSD, TJ      |
| Ryton®                         |  | 542.4 g/m <sup>2</sup><br>16.0 oz/yd <sup>2</sup> | 1.5-2.0 mm<br>0.060-0.080 in.   | 25-45 cfm @ 0.5" wg<br>42-76 m <sup>3</sup> /h @ 1.25 mbar | 191°C<br>375°F                | 191°C<br>375°F            | Good                | Excellent           | Excellent           | NA                                    | No                    | NA                                | DLMC, DLMV, DU, FS, FT, HP, LP, MB, MTJ, PJ, PJD, RF, RJ, RSD, TJ      |
| Polypropylene                  |  | 542.4 g/m <sup>2</sup><br>16.0 oz/yd <sup>2</sup> | 2.2-2.5 mm<br>0.085-0.100 in.   | 25-35 cfm @ 0.5" wg<br>42-59 m <sup>3</sup> /h @ 1.25 mbar | 93°C<br>200°F                 | 93°C<br>200°F             | Good                | Excellent           | Excellent           | NA                                    | No                    | NA                                | DLMC, DLMV, DU, FS, FT, HP, LP, MB, MTJ, PJ, PJD, RF, RJ, RSD, TJ      |
| Polyester Felt Singed          |  | 542.4 g/m <sup>2</sup><br>16.0 oz/yd <sup>2</sup> | 1.5-2.0 mm<br>0.060-0.080 in.   | 25-35 cfm @ 0.5" wg<br>42-59 m <sup>3</sup> /h @ 1.25 mbar | 135°C<br>275°F                | 149°C<br>300°F            | Good                | Good                | Good                | NA                                    | Yes                   | NA                                | FS, FT, HPB, HP, LP, MB, MTJ, PJ, PJD, RF, RJ, RSD, TJ                 |
| Polyester Felt Glazed          |  | 542.4 g/m <sup>2</sup><br>16.0 oz/yd <sup>2</sup> | 1.5-2.0 mm<br>0.060-0.080 in.   | 25-35 cfm @ 0.5" wg<br>42-59 m <sup>3</sup> /h @ 1.25 mbar | 135°C<br>275°F                | 149°C<br>300°F            | Good                | Good                | Good                | NA                                    | Yes                   | NA                                | FS, FT, HPB, HP, LP, MB, MTJ, PJ, PJD, RF, RJ, RSD, TJ                 |

## CARTRIDGES - COLOUR CHART

| Nanofibre Filters |                                 | Specialized Filters |                             | Standard Filters  |                   |
|-------------------|---------------------------------|---------------------|-----------------------------|-------------------|-------------------|
| Collector Acronym | Collector Name                  | Collector Acronym   | Collector Name              | Collector Acronym | Collector Name    |
| AAT               | Ambient Air Tubesheet           | DFE                 | Downflo Evolution           | PB                | ProBooth™         |
| ADMC              | Advanced Dryflo® Mist Collector | DFO                 | Downflo Oval                | PT                | Potra-Turnk®      |
| AER               | AerBooth™                       | DFT                 | Downflo II                  | RVS               | Round Vibra Shake |
| AT                | AerTable™                       | DWS                 | Downflo WorkStation         | SDF               | Downflo SDF       |
| AT-3000           | Ambient System                  | DMC; C; D1-D10      | Dryflo® Mist Collector      | SP                | ShopPro™          |
| CF                | CF Series                       | DMC-MMA; MMB        | Dryflo Machine-Mountable    | TBV               | Torit® Bin Vent   |
| CX                | CX Series                       | ECB                 | Environmental Control Booth | T-2000            | Trunk 2000®       |
| DB                | Downdraft Bench                 | ET                  | Easy-Trunk®                 | VS                | Vibra Shake™      |
| DCS               | Downflo® Containment System     | MTD                 | MTD                         | WB                | Weld Bench        |

Note: Optional stainless steel construction available on all cartridges

<sup>1</sup> Nanofibre technology reduces initial penetration by as much as 90% versus conventional media by utilising a unique layer of submicron fibres on the media's surface.

<sup>2</sup> Tetratex® PTFE membrane is comprised of millions of small, randomly connected fibres that create extremely small pore sizes to repel water while allowing air and moisture vapor to pass.

<sup>3</sup> Kelvar & Nomex are registered trademarks of E.I. DuPont de Nemours & Co., Inc.

## BAGHOUSE - COLOUR CHART

| Dura-Life Media  |                    | Specialised Media |                  | Standard Media   |               |
|------------------|--------------------|-------------------|------------------|------------------|---------------|
| Baghouse Acronym | Baghouse Name      | Baghouse Acronym  | Baghouse Name    | Baghouse Acronym | Baghouse Name |
| DLMC             | Dalamic Cased      | LP                | LP               |                  |               |
| DLMV             | Dalamic Insertable | MB, MB, MBT, MBW  | Modular Baghouse |                  |               |
| DU               | Dalamic Unit       | MTJ               | MTJ              |                  |               |
| DY               | DAYNAMIC           | PJ                | PJ               |                  |               |
| FS               | FS                 | PJD               | PJD              |                  |               |
| FT               | FTD, FTP           | RF                | RFT, RFW, RA     |                  |               |
| HPB              | HPB                | RJ                | RJ               |                  |               |
| HP               | HPT, HPW, HPH      | RSD               | RSD              |                  |               |
| IRD              | IRD                | TJ                | TJ               |                  |               |