

DFPRO™



Bend the Rules with DFPRO

Donaldson's DFPRO sets a new higher standard for filtration performance, efficiency and productivity. By re-thinking cartridge shape from the conventional circle to the innovative oval, Donaldson has bent the rules and uncovered a powerful new filtration technology that increases airflow through the collector while prolonging filter life.

Only available from Donaldson, DFPRO enlists oval-shaped filters and patented Ultra-Web® filter media to provide the most sophisticated and efficient solution for filtering dust and fumes from the manufacturing floor. Expertly engineered for better filter cleaning efficiency and easier filter maintenance, DFPRO gives you the power to perform like never before.

Bend the rules
Think
Oval

DFPRO Offers:

- **Increased airflow**
- **High performance oval cartridge filters**
- **Ultra-efficient filter media**
- **Flexible design that fits into corners**
- **Easy maintenance with quick-access filters**
- **Fast, easy installation***
- **Reduced energy costs****
- **Quiet operation*****
- **Available in four sizes: DFPRO6, DFPRO8, DFPRO12 and DFPRO16**



* Integrated design with built-in fan, silencer, damper valve and pre-wired controls reduces set-up and start-up costs

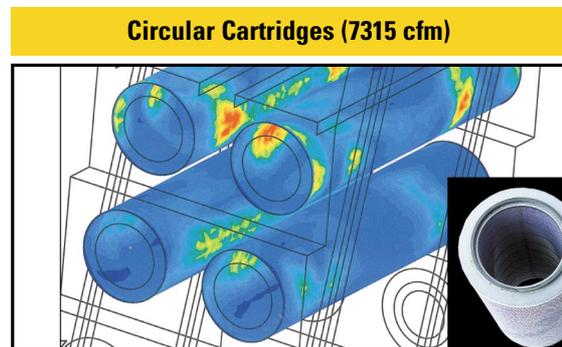
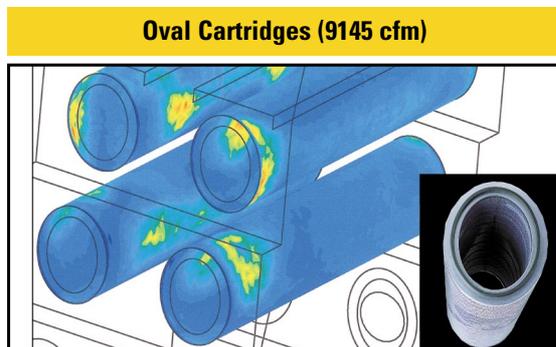
** Low fan power requirement due to low pressure drop (typically 50 daPa) can reduce energy costs

*** Built-in fan and cleaning mechanism reduces operating noise level to 75 dB (A) and lower

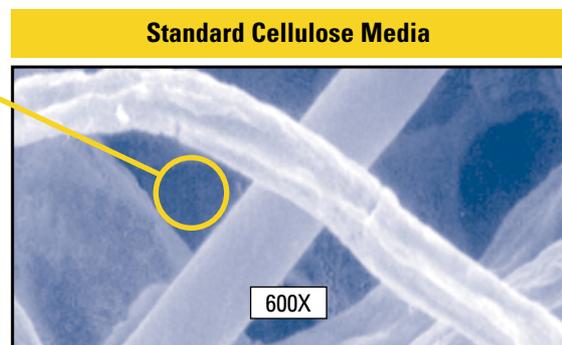
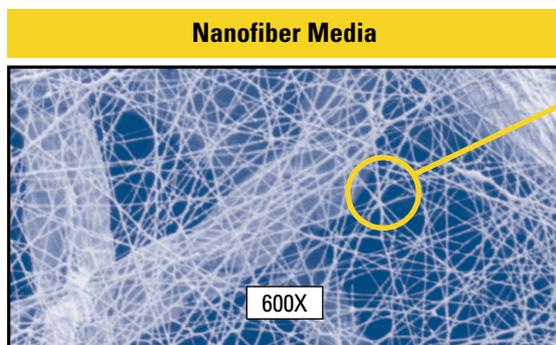
Empowered by Oval

DFPRO might look like just another collector on the outside. But inside DFPRO are the ingredients that distinguish this groundbreaking collector from the competition. Engineered to provide more airflow without increasing the size of the collector, DFPRO allows you to add filtration capacity with a same-sized collector or drop down a size in collector while maintaining filtration capacity. Designed with hinged-door access to filters on two sides, DFPRO fits into corners, requires no extra wiring and easily connects to ductwork.

Oval Cartridges Donaldson's unique oval-shaped cartridge filters were designed using sophisticated computer-modeling technology to allow more airflow through the collector without increasing velocity. In fact, oval filters have fewer areas of high velocity (red areas) than conventional circular filters, which reduces the risk of filter abrasion and prolongs filter life.



Ultra-Web Filter Media Donaldson's proprietary mesh-like nanofiber technology allows Ultra-Web to filter more efficiently than filters with standard cellulose, polyester or cellulose/polyester blend media. By trapping more contaminant on the surface of the filter than depth-loading media, Ultra-Web filters more easily release and expel contaminant from the filter, which results in longer filter life and less filter maintenance.



High Performance Filters

Donaldson filters are precisely engineered to meet the same high standards of quality, performance and reliability provided in our collectors. Offering a full range of filter options to meet most any filtration application, our exclusive Ultra-Web filter media is by far the most advanced filtration technology available.

Ultra-Web® Engineered with proprietary nanofiber technology, Ultra-Web cartridges provide unequalled, extremely high filtration efficiency to ensure longest filter life and lowest operating pressure.

Thermo-Tek™ Designed for high-temperature applications, Thermo-Tek cartridges offer exceptional filtration efficiency with a special heat-resistant media and gaskets that maintain seal strength and integrity at temperatures up to 135° C.

Fibra-Web® Offering an open washable design for easy cleaning in both fibrous and non-fibrous (agglomerative) applications, Fibra-Web with nanofiber technology provides a blend of synthetic fibers in the base media and even wider pleat spacing to achieve high filtration efficiency.

Torit-Tex™ Providing high filtration efficiency and longer filter life in moist, hygroscopic and agglomerative applications, Torit-Tex is engineered with flexing media and quick-release Tetratex™ PTFE membrane that consists of extremely small pore sizes, allowing air and moisture vapor to pass efficiently even in difficult applications.



Application Type	Filter Cartridges	Filtration Efficiency
Standard application	Ultra-Web	99.999% on 0.5 micron
Risk of sparks	Ultra-Web flame retardant	99.999% on 0.5 micron
Fire and dust explosion risk	Ultra-Web flame retardant anti-static (conductive)	99.999% on 0.5 micron
Temperatures from 65° up to 135° C	Thermo-Tek	99.99% on 1 micron
Mix of fibrous and submicron particles	Fibra-Web	99.999% on 1 micron
Moist, hygroscopic and agglomerative particles	Torit-Tex Torit-Tex anti-static	99.999% on 0.5 micron

Note: Stainless steel, corrosion resistant media, washable media, etc. are available for special application.

Standard Features & Options

Standard Features

- Fully integrated system with damper valve, range of fan motors, factory prewiring, cleaning mechanism and Torit control board
- "Plug and Go" unit
- Cost effective
- Easy installation
- No extra wiring
- No extra duct work between unit and fan
- Cleaning mechanism protected from external elements
- Easy and safe access to cartridges
- Low maintenance time
- Easy access to cleaning mechanism and fan set
- Corner installation possible
- Quick-release dust disposal system
- Removable side profiles to allow fork lift transport
- High hopper clearance options
- Flat side walls

Equipment Options

- Outside installation
- Service platform with gratings, handrail, and ladder
- Front inlet adaptation pieces
- Full range of dust disposal system
- Full range of filter cartridges (see previous page)
- Blow off channels (vent pipe) on reinforced version for indoor installation (1m, 2m, or 3m lengths)
- Pulse noise attenuation down to $LpAeq < 70 \text{ dB(A)}$
- Earthing connection
- Compressed air air-oil/water separator and accessories
- Equipment suitable for use in a potentially explosive atmosphere (Directive 94/9/EC) satisfying the requirements for group II category 2D 125°C is available.

Donaldson® Look to Donaldson for all of your air filtration needs. Although you may not always see our products, you can breathe easier knowing we're there.

Customer Support For nearly 90 years, Donaldson has been the leading innovator of air filtration solutions that improve the manufacturing environment for employees the world over. Driven by an unwavering commitment to customer support, Donaldson is the name more manufacturers around the globe trust to deliver the most efficient and productive dust, mist and fume collectors and filter media.

Unparalleled Innovation Whether our customers need a single collector or a multi-faceted collection system, Donaldson has the solution. The breadth of Donaldson's innovative product line sold under the Torit and DCE brands is unmatched, offering unparalleled filtration systems, ancillary parts and replacement filters. From central, source and ambient systems to baghouse, envelope and cartridge technologies, Donaldson has the expertise to provide filtration solutions for virtually any application.

Global Reach Donaldson manufactures and markets its filtration products throughout the world. As more manufacturers continue to expand and grow their operations globally, Donaldson will be there to serve and support our customers' needs.

Rely on the Industry Leader When it comes to air filtration, you need a partner you can trust. Rely on the world leader in air filtration — Donaldson.



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