

INDUSTRIAL AIR FILTRATION

DUST

FUME

MIST

Market Leadership

Improving Manufacturing Environments The World Over

For nearly 90 years, Donaldson® has been the leading worldwide provider of industrial in-plant air filtration systems and replacement parts that help eliminate dust, fume and mist from manufacturing operations. Donaldson continually develops the most sophisticated, efficient and productive filtration technologies under the Torit® and DCE® brands that help manufacturers improve air quality for their employees and maintain product quality for their customers.

Our global reach is far and wide, serving manufacturers in North and South America, Asia Pacific, Europe and Africa. Today, we operate nearly 40 manufacturing facilities, distribution centers, subsidiaries and headquarters throughout the world.

Rely On The Global Leader You Can Trust

Donaldson continually sets the standard for industrial air filtration technology with the most extensive, expertly engineered filtration solutions that help manufacturers explore new realms of productivity and performance.

Unsurpassed Offering The most complete line of filtration solutions from central, source and ambient systems to baghouse, envelope and cartridge technologies.

Unrivaled R & D Unrelenting commitment to research and development leads to innovative filtration technologies, filter media and filter cartridges.

Unmatched Technology Patented and proprietary high performance technologies that help manufacturers realise new, measurable improvements in air filtration.

Unparalleled Service Our knowledgeable and accessible network of sales and service representatives assist in choosing the right collector or filter.



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Global Sales Offices:

Australia

Netherlands

Austria

New Zealand

Belgium

Norway

China

Poland

Czech Republic

Singapore

Denmark

South Africa

France

Spain

Germany

Sweden

India

Switzerland

Italy

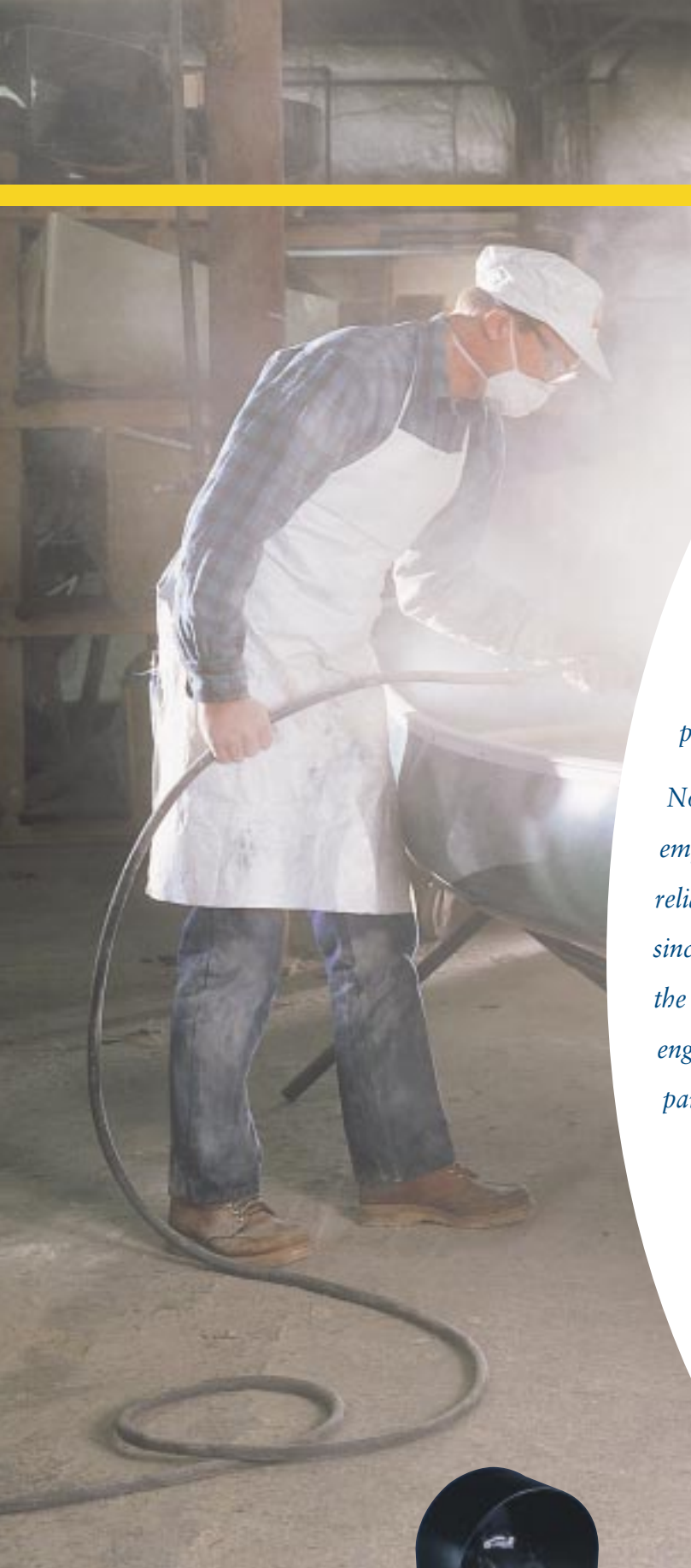
Turkey

Japan

United Kingdom

Mexico

United States



Donaldson Leaves The Competition In The Dust

No other manufacturer comes close to matching the innovation and breadth of technical expertise that Donaldson incorporates into its dust filtration solutions. From cartridge filters to baghouse collectors, Donaldson provides the most complete range of dust collectors that cost-effectively enhance productivity and efficiency.

Not only can dust taint product, it can impair employees health and impede production. That's why reliable, high performance dust collection is a must. And since dust particles come in all shapes and sizes—from the easily measurable to the microscopic—Donaldson engineers collectors to capture the broad spectrum of dust particles that can inhibit the production environment.

Environmental Control Booth (ECB)

ECB removes very fine airborne dust at an extremely high filtration efficiency in a self-contained, sound-proof, low maintenance work environment.



DCE 100

The DCE 100 series is a compact and flexible filtration device ideal for venting small volumes of air on bins, hoppers and vessels on conveying and material handling systems.



Dust Collection

The Difference is Donaldson

Donaldson dust collectors are a reflection of our commitment to research and development. For the very latest in advancements to time-tested filtration technologies, Donaldson is the name you can rely on for the very best dust collectors in the world. Experience the difference that a Donaldson dust collector can bring to your production line—and your bottom line.

The *Best* Dust Collectors For Any *Application*

Cyclone

A mechanical dust collector that provides high filtration efficiency, Cyclone also offers rugged construction and low maintenance for large particulate high dust load, temperature and product recovery applications.

Dalamatic (DLM)

The U.S.-patented Dalamatic automatic reverse-jet fabric filter bag collectors provide heavy-duty product recovery or collection of large concentrations of nuisance dust. Available in insertable or cased models, these collectors offer high collection efficiency, especially for continuous process applications.

Downflo® Oval 1™ (DFO)

A one-of-a-kind series of dust collectors, U.S. patented DFO enlists unique oval-shaped technology, proprietary filter media and a patented pulse cleaning process to provide more airflow capacity than same-sized cartridge collectors.



Fume Collection

The Full Spectrum in Fume Control

Donaldson provides the most extensive, reliable fume collectors in the world. From compact collectors to portable and source jet collectors to a specially designed collector for silo-venting, there's no better source to keep your air cleaner and clearer.

Downflo® Oval 1™

DFO is a one-of-a-kind series of cartridge dust collectors with unique oval-shaped filter technology, proprietary filter media and a patented pulse cleaning process that provides more airflow capacity than same-sized cartridge collectors.



DFPRO

A compact and powerful collector, DFPRO enlists high performance oval-shaped filters to provide greater filtration capacity and efficiency compared to collectors with traditional circular-shaped filters.



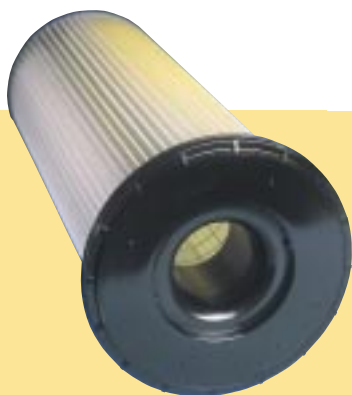
Expertly Engineered Fume Collectors Built For Performance

Breathe Easier with Donaldson Fume Collectors

Today more manufacturers breathe easier knowing that reliable, high performance Donaldson fume filtration systems are at work in their operations.

Donaldson understands that capturing fumes is serious business that requires expertly engineered solutions. Since most fume particulates are respirable and often comprised of submicron-sized particles, it's essential to select a fume collector that can effectively and efficiently clear the air of potentially harmful contaminants.

From collectors to filters, there's no better source for fume filtration than Donaldson.



Siloair

A filtration system that can be applied to almost any venting situation for effective filtration, Siloair combines "no-tool" cartridge removal with exceptional durability, high dust load capability and low emission levels.



Choose From A
**Complete
Range** Of
Mist Collection Systems

The Clear Path to Effective Mist Control

High performance mist collection is a must for manufacturers that generate coolant and machining oil mist in their applications. Uncollected mist leaves condensation and residue on floors, machines, walls and ceilings, creating a potentially unsafe and unclean manufacturing environment.

Donaldson provides a comprehensive range of mist collectors, each providing the peace of mind manufacturers need to be productive and efficient.

Rely on Donaldson for the most advanced mist collection technology.



Machine-Mountable Dryflo

A series of compact mist filtration units that mount directly on the machining center without any ductwork. Machine mountable Dryflo collectors allow for easy and efficient shop floor reorganization.

Mist Collection

Expertly Engineered Mist Collectors You Can Trust

Nearly 90 years of expertise in engineering filtration solutions for manufacturers the world over puts Donaldson in a class by itself. No other filtration system manufacturer puts its resources and reputation behind its products like Donaldson. Continually driving the industry forward with next-generation filtration solutions, Donaldson is your source for the most reliable, flexible and expertly engineered mist collectors available.

Dryflo® DMC-C

Dryflo DMC-C high efficiency mist collectors are designed for engineering and manufacturing environments where mechanical operations commonly use oil as a lubricant or coolant. These collectors help protect workers from oil mist by-product and return clean air into the workplace.

Packaged Dryflo*

Packaged Dryflo mist collectors provide a complete system to handle all wet-machining operation needs from 1,000 m³/h to 3,200 m³/h in a pre-engineered, prepackaged configuration.



Central Dryflo**

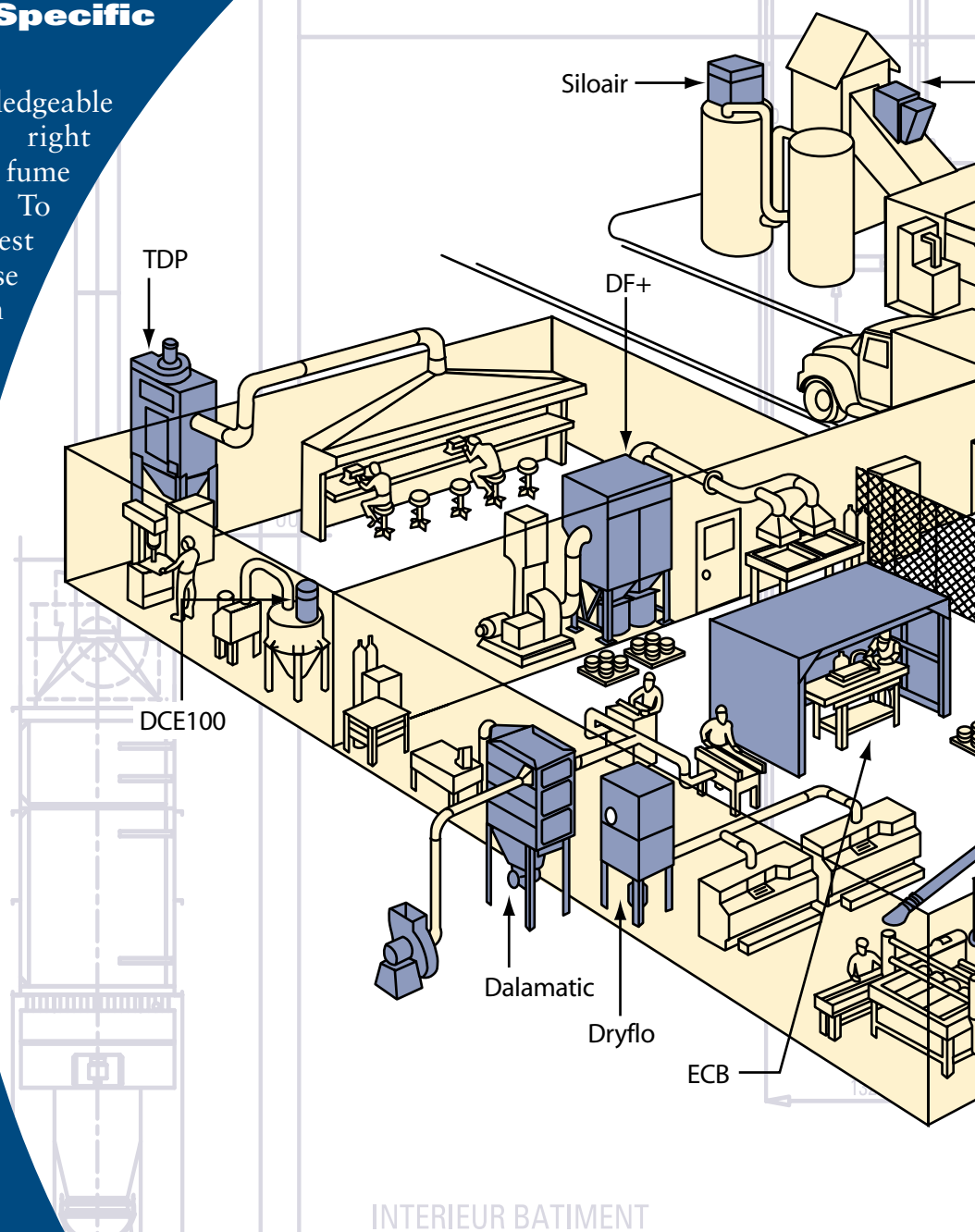
Constructed to handle multiple machine configurations with airflow requirements from 5,000 m³/h to 37,500 m³/h, Central Dryflo is designed with a customisable central system to handle a wide range of specific application requirements.

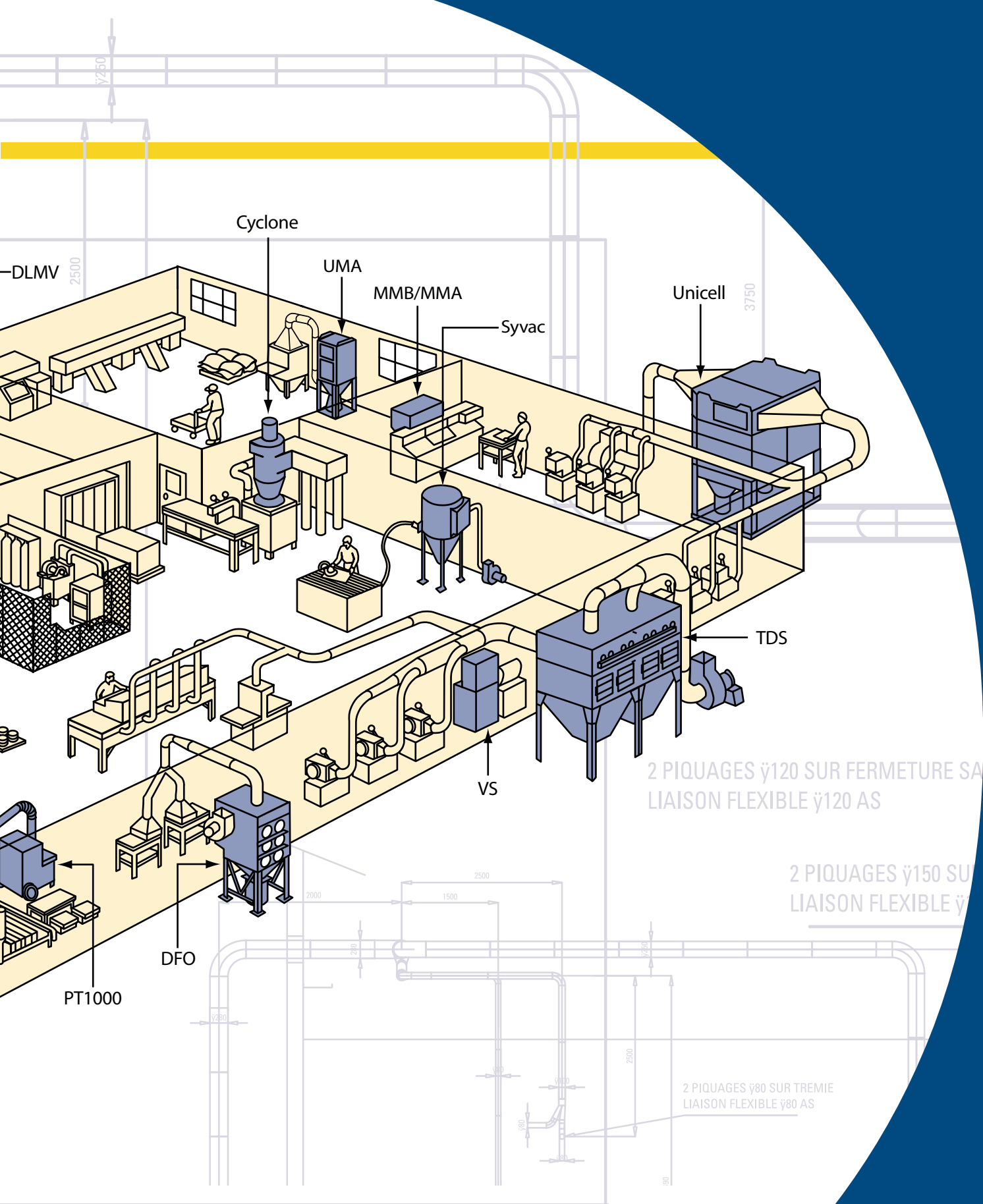
* Optional integral HEPA assembly available.
** Optional remote HEPA assembly available.

Determine The Best Filtration Solutions For Your Specific Application

Donaldson is the most knowledgeable resource for designing the right filtration system for your dust, fume or mist collection application. To help you determine the best collection system, discuss these issues with your Donaldson sales representative:

- 1) Characteristics of the airborne contaminants generated by your application(s)
- 2) Volume of particulate generated
- 3) Disposal and/or reclamation needs
- 4) Plant layout, space requirements and/or restrictions
- 5) Need for recirculation of heated or cooled air
- 6) Airflow requirements (m^3/h)
- 7) Static pressure and conveying velocity of ducted systems
- 8) Level of air filtration efficiency needed
- 9) Safety and maintenance requirements
- 10) Future collection requirements





Build The Best Filtration System

Donaldson delivers the best dust, fume and mist collection solutions that provide the highest filtration performance and efficiency possible. For stand-alone solutions or multi-component filtration systems, trust Donaldson's comprehensive offering of expertly engineered filtration products to keep your production systems running smoothly.



Expertise Beyond the Collector Itself

At Donaldson, we understand that high performance dust, fume and mist collectors are just the first step in keeping your plant cleaner and more productive. Our high performance ancillary products quickly and cost-effectively complete the system, whether you are installing a new filtration system or expanding an existing filtration line.

From rotary valves to fans to ductwork, Donaldson provides the complete solution for all of your filtration needs. The same commitment to unmatched quality and efficiency is available in our ancillary products. Rely on Donaldson for the complete filtration solution for any dust, fume or mist collection application.

Rotary Valves

Rotary valves are an economical solution for automated handling of discharge dust, continuously and automatically transferring dust from the hopper to the conveying system or collection container. Designed with a precise seal that keeps air out of the hopper and safeguards the performance of the collector, rotary valves reduce downtime, labor and costs by taking dust disposal out of employees' hands.



Ancillary Products

Ancillary Products Complete The Filtration System

From dust collectors to ductwork, there's no better source for filtration solutions than Donaldson. Rely on Donaldson to provide every filtration component you need to keep your productivity moving from start to finish.



Duct Work

Duct work is an essential component required to transport the dust effectively to the collector. The size is carefully determined to not only ensure correct transportation of the dust but also maintain minimal noise levels during operation. Working closely with local suppliers, we aim to provide the same high level of quality given on the collector.

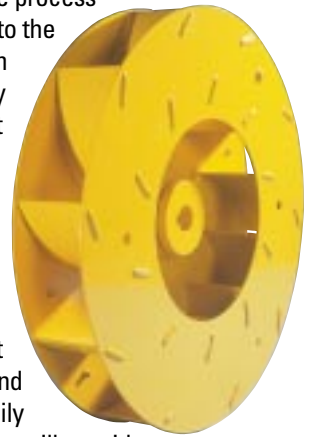


Slide Gates

Slide gates are an economical solution where the continuous dust discharge from a rotary valve is not required. Positioned between the collector and the dust collection container, these devices allow continuous collector operation during the removal and disposal of the collected dust.

Fan Control Damper

Fan control damper is an essential component required to ensure optimum collection of the process dust. Placed into the ducting system or alternatively after the fan, it provides for accurate balancing of the system ensuring optimum collection, unit performance and media life. Easily adjustable, they will provide control over the installation for the lifetime of the process.



IPC Controllers

IPC Controllers ensure that media is operated and maintained efficiently and effectively across the range of collectors. Engineered with microprocessor-based logic for reliability and EMC compliance, Donaldson offers three separate units, each uniquely engineered to allow all collectors to perform at 100 percent of their intended capacity regardless of the arduous nature of the application.

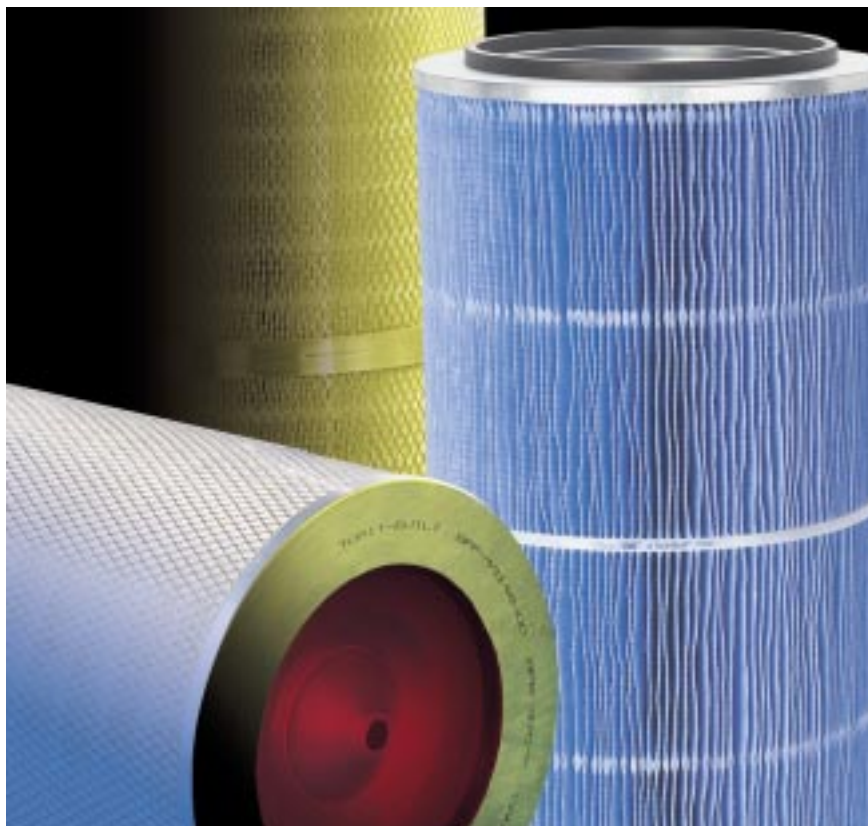


After Market

Filters and Bags Engineered for Performance

Using Donaldson filters and bags can significantly improve the performance of your dust, fume and mist collectors. Uniquely engineered for longer filter life and higher filtration efficiency, Donaldson filters are the most cost-effective choice for any application.

Rely on Donaldson for the most comprehensive selection of filters. With an extensive selection of high performance filters readily available, Donaldson is your best, reliable source for filters.



Cartridges

An extensive range of cartridge media is provided, including our Ultra-Web® cartridge filters engineered with nanofiber technology. Patented nanofiber technology provides the highest operating efficiencies at 99.999% on 0.5 micron particles and enlists a fine layer of web-like fibers to trap submicron particles on the surface of the media while allowing efficient dust release and prolonging filter life.

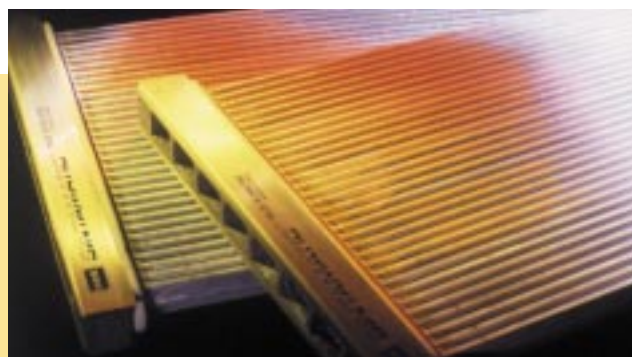
Spun-bonded Polyester

Constructed with wide pleat spacing to assure high efficiency and continuous operation utilising proven Unicell modular elements, spun-bonded polyester cartridges are designed to achieve high levels of filtration and a fine balance of operational efficiency, element life and dust handling capacities at an affordable cost.



Fabrics

Donaldson provides a variety of fabric bags, each a flat fabric bag consisting of the most carefully selected materials and manufactured to the highest tolerances. Nomex and PTFE-coated, anti-static fabric, microporous membrane and other special fabrics are offered for high temperature applications.



Sintered Polyethylene

Sintamatic™ elements are manufactured from a carefully controlled blend of granulated polyethylene polymers and then sintered at microprocessor-controlled temperatures to provide a rigid, porous structure. Uniquely constructed, sintered polyethylene filters provide three times the surface filtration area than other conventional fabric filters.

Exceptional Service and Support

Finding the right dust, fume or mist collector is only the first step to high performance filtration. Ongoing after market service and support for our Torit® and DCE® filtration products are essential elements that keep your filtration systems operating at peak performance.

Donaldson offers the most extensive and fully inclusive after sales and technology support service in the industry. Rely on Donaldson for the most efficient, productive and cost-effective after market products and services.

Silver Service

Silver Service provides you performance data on dust collectors and recommendations for keeping your dust collectors performing in accordance with design characteristics. Parts found to be defective will be replaced within the scope of the service.

Gold Service

Gold Service provides you performance data over a period of 3 years including recommendations and parts within the scope of the service.

Platinum Service

Platinum Service provides you with performance data including recommendations, scheduled filter element changes and other parts within the scope of the service. Parts and Service available in 4 Star and 5 Star levels.

Donaldson offers:

- **Technical Support**
- **Service and Maintenance Schemes**
- **Genuine Spare Parts**
- **Breakdown Support**



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 manufacturing plants 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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