



Donaldson.
FILTRATION SOLUTIONS

DFPRE

PLUG-AND-PLAY

DUST AND FUME COLLECTORS



AVAILABLE WITH



iCue

CONNECTED FILTRATION SERVICES

DFPRE

PLUG-AND-PLAY

DUST AND FUME COLLECTORS

The DFPRE was designed as a turnkey system to answer the industry demand for a compact, convenient and reliable filtration system that can maximize production uptime. The result is a highly adaptable, modular and easy-to-install dust collector with unrivaled filtration performance – delivering operational confidence in today's advanced manufacturing environment.

Built on more than 20 years of successful performance of the DFPRO, our next generation DFPRE plug-and-play dust and fume collector series offer a more efficient, compact and economical solution that can effectively support continuous manufacturing processes. This new powerful filtration system is equipped with our unique trigonal Evolution cartridges that are specifically designed for improved pulse cleaning, which results in increased airflow per cartridge and superior performance. This means less production downtime, and reduced energy consumption, operating and maintenance costs for your business.

With its more efficient cartridge filters and advanced downward airflow, the DFPRE system has fewer cartridges for the same filtration power, reducing filter replacement costs, maintenance and floor space requirements. This compact unit is easier to transport, relocate and install: It comes pre-assembled and requires minimal set-up.

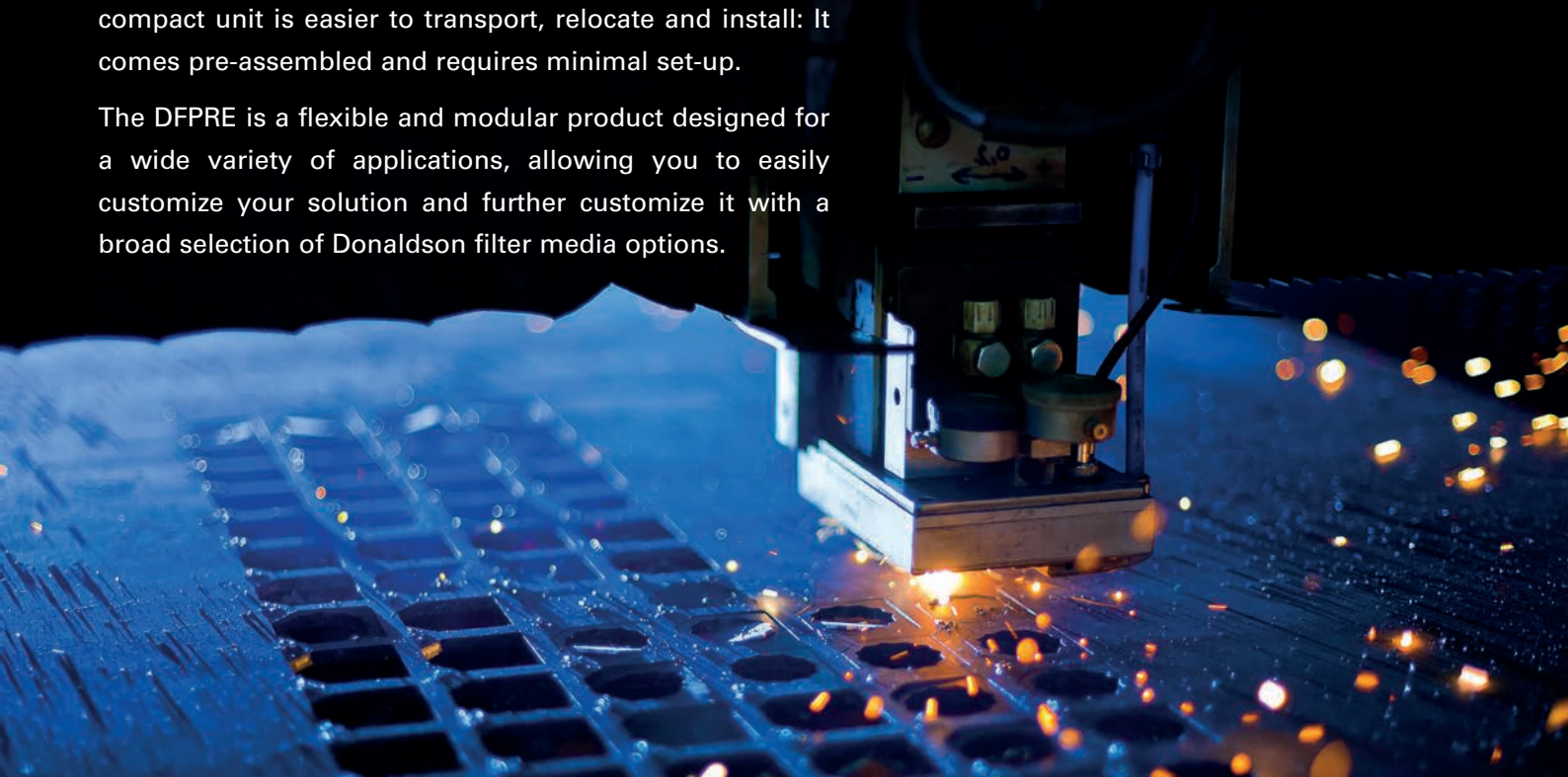
The DFPRE is a flexible and modular product designed for a wide variety of applications, allowing you to easily customize your solution and further customize it with a broad selection of Donaldson filter media options.

QUALITY & EXPERTISE YOU CAN RELY ON

For over 100 years, Donaldson has helped solve some of the world's most complex filtration challenges.

We pride ourselves in producing efficient, high quality and reliable products that will help support modern day manufacturing processes.

You can always rely on Donaldson's advanced technology, extensive portfolio of filtration products, and unrivaled customer support to help you meet your unique operational needs.





PLUG-AND-PLAY

A complete dust collection system that ships assembled for easy installation and operation.

FLEXIBLE DESIGN

Easily customized modular design available in different sizes and configurations. Adaptable for a wide variety of applications and operational needs.

COMPACT UNIT, SMALLER FOOTPRINT

New generation cartridge design allows for a smaller, more compact unit for maximum space utilization, easy transport and less cartridges, which also means lower maintenance and operational costs.

HIGHER FILTRATION PERFORMANCE

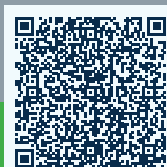
Our industry-leading filtration design positions more filtration media in beneficial locations and ensures easy, leak-free installation.



SMART COLLECTOR

This collector comes equipped with Donaldson's iCue™ Connected Filtration Service* gateway.

Designed to remotely monitor dust and fume collectors to virtually eliminate manual check readings, the operational insights provided by iCue will help you reduce unplanned downtime, support efficient maintenance and operation, and automatically capture compliance data.



Discover iCue™ Connected Filtration Service
donaldson.com/icue-collector-monitoring

*Subscription-based service, activation required.

FEATURES & BENEFITS

COMPLETE PLUG-AND-PLAY SOLUTION

The DFPRE dust collectors are compact units with a small footprint that come preassembled and pre-wired. Shipment, transportation and installation of this product is truly effortless.



HIGHLY ADAPTABLE, MODULAR DESIGN

The DFPRE series is designed to perfectly fit your unique operational needs and fully adapt to your manufacturing process thanks to its highly adaptable nature.

You can thoroughly customize your unit with several different options and features including but not limited to:



- Execution for outdoor installation
- Different sizes and formats of dust bins
Quick release dustbin, Hook-on dustbin, 85 L drum & 200 L drum
- Compressed air – oil/water separator and accessories
- Range of pre-separator designs for specific applications
such as Sparktrap , Cyclopeel and In-line Cyclons
- Full range of fan sets
- HEPA filters
- ATEX compliance and certification
- IFA W3 certification according
to DIN EN ISO 21904:2020
- EAC certificate TR CU

NEXT-GENERATION DESIGN FOR SUPERIOR PERFORMANCE

The DFPRE series features Donaldson's latest solutions that include enhanced downward airflow design, triangular filter shape, and industry-leading filtration medias designed to maximize filtration performance.

The DFPRE series have a nominal airflow capacity of between 2 000 and 15 000 m³/hour*.



FOR A WIDE VARIETY
OF INDUSTRIES



FOOD & BEVERAGE



INDUSTRIAL PROCESSING



METAL & MACHINING



MINING & MINERAL
PROCESSING



PHARMACEUTICALS



WASTE & RECYCLING

SEE DFPRE IN ACTION!

For a direct link to the DFPRE
video scan the QR Code



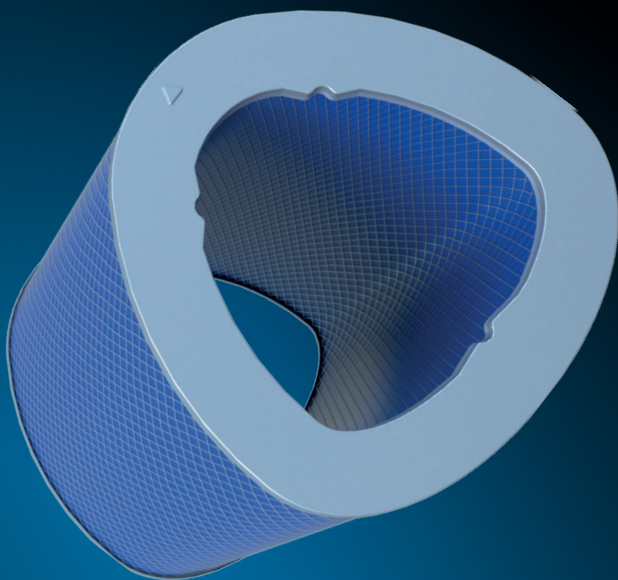
or visit
donaldson.com/dfpre

*Airflow rate depends on the dust type and on the application.



SHAPE MATTERS

The unique trigonal design allows the DFPRE to achieve a higher dust collection capacity while using fewer cartridges. This reduces your operational expenses by saving manufacturing space and reducing the number of filters to maintain. DFPRE filters are highly efficient while having a smaller size, making filter maintenance quick and easy.



UNIQUE DESIGN

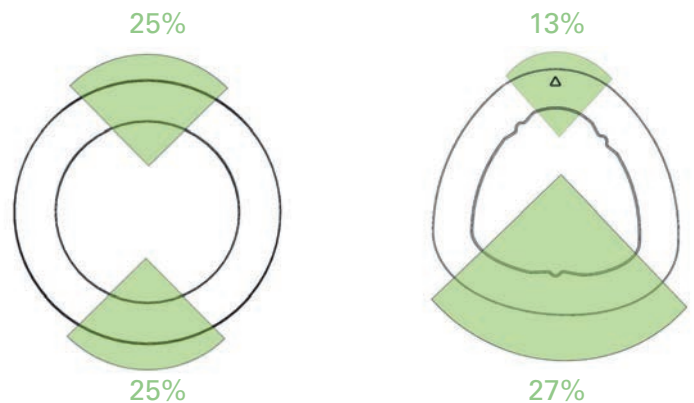
THE UNIQUE & ADVANCED DESIGN

of our trigonal cartridges is the technology that warrants the DFPRE's superior performance and customer benefits.

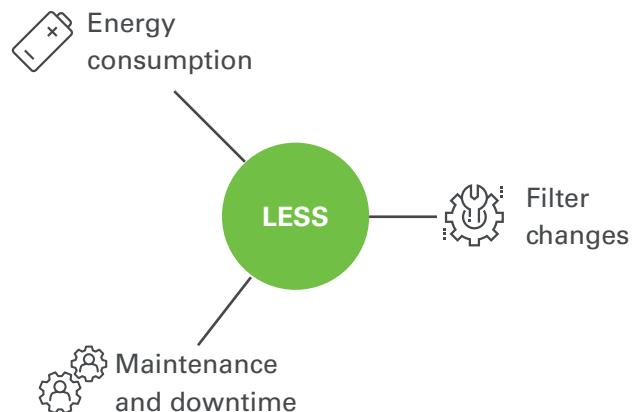


POSITIONING MORE FILTER MEDIA

at the bottom of the cartridge, the trigonal shape allows for more dust to be accumulated on the bottom of the filter and is helped by gravity to achieve superior pulse cleaning performance.



Efficient pulse cleaning helps increase the lifespan of a cartridge, helping you to lower your operational costs due to:



SELECT THE PERFECT MEDIA FOR CARTRIDGE FILTERS



What is the operating temperature?

< 80°C

Is there a need for high efficiency?

YES

Is the dust agglomerative?

YES

Does the application create static charge?

YES



Ultra-Web® on Spunbond Anti-Static

NO



Ultra-Web® on Spunbond

NO

Does the application create static charge?

YES

Is there moisture present?

YES



Ultra-Web® on Spunbond Anti-Static

NO



Ultra-Web® Anti-Static Flame Retardant

NO

NO

Is there moisture present?

YES



Ultra-Web® on Spunbond

NO



Ultra-Web® (Flame Retardant)

Is the dust agglomerative?

YES

Does the application create static charge?

YES



Polyester Anti-Static

NO



Standard Polyester

NO

Does the application create static charge?

YES



Polyester Anti-Static

NO

Is there moisture present?

YES



Standard Polyester

NO



Cellulex® (Flame Retardant)

MAYBE



Blended 80/20 and 90/10 Flame Retardant

≤ 135°C

Does the application create static charge?

YES



Torit-Tex® Anti-Static

NO

Is there a need for moisture or chemical resistance?

YES



Torit-Tex®

NO



Thermo-Web®

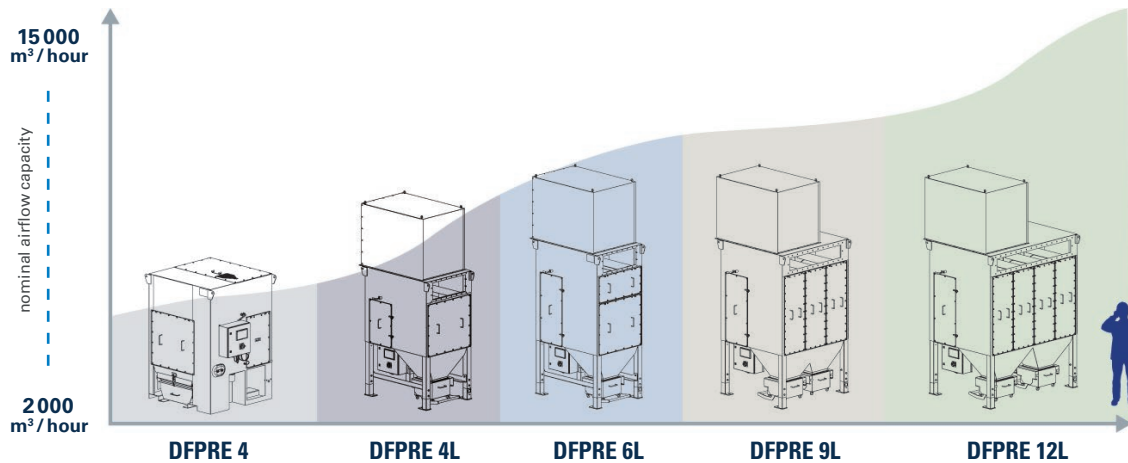
≤ 170°C



Kevlar®/Nomex®

TECHNICAL SPECIFICATIONS

Full product range and detailed technical specifications are available on donaldson.com/dfpre



Key Features & Benefits

- Plug-and-play for easy installation and operation.
- Flexible and modular design available in different sizes and configurations.
- Compact unit, smaller footprint for maximum space utilization, easy transport and less cartridges.
- Higher filtration performance thanks to enhanced downward airflow design triangular filter shape.

Model	No. of filter elements	No. of valves	Dimensions (mm)*			Weight (kg)**
			Width A	Height B	Depth F	
DFPRE 4	4	4	1 439	2 109	1 559	650
DFPRE 4 Sparktrap			1 741			750
DFPRE 4L	4	4	1 291	2 632	1 730	1 025
DFPRE 4L Sparktrap			1 741			-
DFPRE 4L Cyclopeel			2 143	2 079	1 306	
DFPRE 6L	6	6	1 291	3 082	1 730	1 143
DFPRE 6L Sparktrap			1 771			-
DFPRE 6L Cyclopeel			2 351	2 079	1 465	
DFPRE 9L	9	9	1 789	3 106	1 730	1 375
DFPRE 9L Sparktrap			2 227			-
DFPRE 9L Cyclopeel			3 067	2 079	1 833	
DFPRE 12L	12	12	2 299	3 106	1 730	1 582
DFPRE 12L Sparktrap			2 832			-
DFPRE 12L Cyclopeel			3 827	2 079	2 095	



* Dimensions & Weights depend on the options chosen.

** Weights include filter cartridges and are for collectors prior to first use, i.e. with no dust collected. Excludes shipped loose items like fan set, fan box, legs, and dust disposal system.

COMBUSTIBLE DUST MANAGEMENT

We offer specific product offerings for fire and explosion protection to be integrated in your DFPRE dust collector.

Contact us to discuss a mitigation solution that fits your needs



Discover our range on www.donaldson.com
 Shop for filters the easier way at shop.donaldson.com
 Contact us at iaf-europe@donaldson.com

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