

Home > Dust & Fume Extraction Equipment Dry Dust Filters >

Donaldson Torit (DCE) DFO 4/24/R Dust Extraction Units x 2 - Cell One



Stock Code: EB1919JS

Manufacturer: Donaldson Torit (DCE)

Model: DFO 4-24/R x 2

Year of Manufacture: 2015

Serial: 90701235

New or Used: Used (Second Hand)

Approx Duty CFM / M³/Hr : 17,750 // 30,000 (Complete cell)

Filter Area ft² / m²: 9110 // 847 (Complete cell)

Other Info: Reinforced + ATEX Roof Explosion Panels

Weight: 3750 (Including both Extractors & Fan)

External Dimensions (WxDxH): 1635 x 2650 x 5305 x2



Home > Dust & Fume Extraction Equipment Dry Dust Filters >

Donaldson Torit (DCE) DFO 4/24/R Dust Extraction Units x 2 - Cell One

Two off Donaldson Torit DF0 4-24/R Downflow Oval Dust Collectors (48 cartridge) - 2 Identical Units working as a cell with a 45kW Fan

The DFO advantage is found in the collector's proprietary design and components. The combination of a new cabinet design that greatly lowers cabinet velocities, proprietary Extra-Life™ cleaning technology, and proven Ultra-Web® fine fibre filters allows more airflow through the collector without increasing the size of the footprint or damaging the filters.

A smaller collector helps lower the initial purchase price, reduces filter replacement costs and opens up valuable manufacturing floor space.

DFO Features:

- Lower initial cost per cubic foot of air per minute
- Higher efficiency - cleaner air
- Lower pressure drop - greater energy savings
- Fewer filter changeouts
- Reduced filter disposal cost
- Easy system setup
- Less maintenance

Application Details (Per complete cell incorporating 2 off DFO 4-24/R units)

Dust: Compounds/Plastics

Air Volume: 30,000m³/hr

System pressure: 325 mm WG

Application: Sanding, Linishing, Machining

Air Temp: Ambient

Operating Temp: up to 20°C

Technical Specification (Per DFO 4-24/R unit)





Home > Dust & Fume Extraction Equipment Dry Dust Filters >

Donaldson Torit (DCE) DFO 4/24/R Dust Extraction Units x 2 - Cell One

Unique oval shape contributes to higher airflow capacity

The Downflo Oval filter design is a reflection of Donaldson Torit's commitment to technical research and development. High performance oval-shaped filters handle up to 25 percent more airflow without increasing velocities, which can cause filter abrasion. Sophisticated FLUENT®*Airflow Modelling Software revealed that oval-shaped cartridge filters have fewer areas of high velocity, resulting in a lower potential for media abrasion and increased filter life.

Convex side walls

Technical discoveries improve filtration performance and prolonged filter life. A new cabinet design with convex side walls streamlines the airflow path and increases the cabinet's cross-sectional area. The convex side walls provide more space between filters, lower cabinet velocities and reduce the potential for media abrasion.

Pulse cleaning technology

ExtraLife™ Filter Cleaning System uses proprietary, computer-modelled pulse cleaning technology to easily "pulse off" dust from the surface of the filter, improving filtration efficiency and prolonging filter life. The red lines in the illustration show the increased pressure at the front of the Downflo filter generated by the ExtraLife system. The blue line shows the pulse signature of a standard cartridge collector.

Extractly's Support

This machine is available with a service and maintenance programme from Extractly Ltd. Extractly's engineers serviced and maintained this Dust Extractor on-site at Trelleborg and can help with installation.

Based in Dewsbury, UK with national coverage, Extractly provide LEV installation and LEV testing as well as ducting, design and servicing for dust and fume extraction.

View Donaldson Torit (DCE) DFO 4/24/R Dust Extraction Units x 2 - Cell One on our web site at <https://www.rileysurfaceworld.co.uk/machines/30916.htm>

PHOTOGRAPHS TAKEN PRIOR TO REFURBISHMENT.