

## Donaldson Torit (DCE) 4-72 Cartridge DFO Dust Extraction System



Stock No	<a href="#">MER500</a>
Manufacturer	<a href="#">Donaldson Torit (DCE)</a>
Model	DFO 4-72
Year of Manufacture	2016
Condition	From a working environment, Excellent Condition, Current Model
Approx Duty CFM / M <sup>3</sup> /Hr	30 - 50,000 // 50 - 80,000
Filter Area ft <sup>2</sup> / m <sup>2</sup>	15,930ft <sup>2</sup> // 1,480 m <sup>2</sup>
Other Info	Option to fit ATEX Explosion Panels
Location	Nottinghamshire, UK
Weight (kgs)	4491kg
External Dimensions (WxDxH mm)	6477mm x 2166mm x 3721mm

### Description

Designed for a downward airflow to deliver a high filtration performance while using less energy, the Donaldson Torit DFO 4-72 cartridge filter dust extraction unit, delivering optimum performance as one of the best value model range available in today's marketplace.

High capacity dust control is delivered by a 72 cartridge DFO Donaldson extraction system, configured from three 4-24 units and paired with a powerful 75kW fan. Providing exceptional airflow performance for demanding industrial applications.



### Features Include:

- Ledge-less construction - eliminates dust build-up and accommodates wash down environments.
- 75kW fan for optimised flow and pressure.
- Compact design minimises floor space.
- Powerful performance Proprietary ExtraLife™ filter cleaning system provides 30% more cleaning energy.
- A wide range of filter cartridges are available off the shelf to suit a wide range of applications, from simple dust collection to smoke and fumes from operations such as welding and laser cutting.
- Cost savings - fewer filter change-outs for reduced filter disposal costs and less energy usage.
- Exceptional reliability - expected to last for over 20 years.
- Easy system setup.
- Easy maintenance.

### Donaldson Downflo® Oval Range

The combination of the proprietary ExtraLife Filter Cleaning System with Donaldson Torit's oval cartridge filters proves to be an unbeatable system.

Oval cartridges now set the standard for industrial dust collection by providing a 25% increase in airflow capacity, improved airflow path, and a 29% increase in pulse cleaning pressure. These high-efficiency oval-shaped cartridge filters are especially well-suited for filtering sub-micron dust.

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 reverse pulse system maintains optimum filter efficiency by automatically backwashing the filter elements with a 90 psi high pressure jet of compressed air, removing the contaminants and depositing them quickly into the waste collection bucket.

The DFO advantages can be found in the collector's proprietary design and components. Featuring a ledge-less design in combination with proprietary Ultra-Web® filter media and cleaning technology.

### Ultra-Web Dust Filter Cartridges

A wide range of filter media is available from the Ultra web range of cartridges, allowing the DFO to be tailored to meet the exact needs of the nuisance dusts to be extracted. Providing higher efficiency and smaller footprints than any baghouse collector or even other cartridge collectors, DFO adds up to long-term savings and improved performance in many applications.

Including 36 paired filter cartridges each (72 in total) "Ultraweb" cartridge has a filter area of **18.5 m<sup>2</sup> (190ft<sup>2</sup>)** giving an overall filter area of **1,480m<sup>2</sup> (15,930ft<sup>2</sup>)**. This unit is capable of extracting within the range of **30,000-50,000 cfm** depending on the final set up including system resistance and dust loading.

### Maintenance



Easy Maintenance, with the design of the DFO's quick access covers, filter removal and maintenance is extremely fast with one operation.

### ATEX - Upgrade Available

Image: Example ATEX Panel

Optional ATEX rated explosion relief panels are available through our trusted partner specialising in dust extraction systems. These panels can be installed directly onto the extractor, providing an increased capacity range upgrade for handling potentially flammable or combustible dusts. Ensuring compatibility with hazardous dust environments and supporting a safer system operation. Please ask for details.

**Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.**