Donaldson Torit (DCE) DFPRO 6-SPRK-R Extractor with ATEX Relief Panel



Stock No	EF2328
Manufacturer	Donaldson Torit (DCE)
Model	DFPRO6-SPRK-R
Year of Manufacture	2012
Serial	90255896
Condition	From a working environment, Excellent Condition, Current Model
Approx Duty CFM / M³/Hr	3,200 // 5,400
Filter Area ft² / m²	1140ft^2 // 106m^2
Other Info	ATEX explosion panel + CE113D Plate
Location	Our Central Warehouse, Aldridge, UK
Weight (kgs)	1125
External Dimensions (WxDxH mm)	1640 x 2050 x 3240

Description

The Donaldson Torit (DCE) DFPRO 6-SPRK-R Extractor is a high performance cartridge dust and fume extraction system designed for demanding applications where dust streams may contain sparks or hot particles. Suitable for processes including plasma, laser and autogenous cutting, this complete, enclosed system combines powerful extraction with efficient filtration, spark protection and quiet operation.

High-Capacity Oval Cartridge Filtration

Featuring six oval-shaped Ultra-Web® cartridge filters providing a substantial 106 m² / 1,140 ft² of filter area, the DFPRO delivers an airflow capacity of 3,200 CFM / 5,400 m³/h. The oval cartridge design can accommodate greater airflow than conventional circular filters, while the advanced nanofibre media captures fine and submicron particles at the filter surface, helping to maintain efficient dust capture, extend filter life and reduce pressure drop.

Complete “Plug and Go” Extraction System

The DFPRO 6-SPRK-R is supplied as a “Plug and Go” complete system, incorporating the fan, damper valve, cleaning mechanism, Torit control board and factory prewiring, eliminating the need for additional ductwork between the unit and fan. Its enclosed construction protects the cleaning mechanism from external elements, while the compact design allows for corner or external installation. A lower pressure drop spark trap and ATEX explosion relief panel provide additional protection for applications involving potentially combustible dusts.

Benefits & Features

- **High Capacity Extraction** – Delivers airflow of up to 3,200 CFM / 5,400 m³/h for demanding dust and fume extraction applications.
- **Six Oval Cartridge Filters** – High-performance oval-shaped cartridges provide a generous 106 m² / 1,140 ft² of total Ultra-Web® filter area.
- **Advanced Ultra-Web® Filtration** – Nanofibre filter media captures fine and submicron dust particles at the filter surface for efficient filtration and extended filter life.
- **Higher Airflow Capacity** – The oval cartridge design can handle up to 25% more airflow than traditional circular cartridges without increasing filtration velocities.
- **Powerful Integrated Fan** – Fitted with a 5.5 kW / 7.5 HP fan motor for high-performance extraction.
- **“Plug and Go” System** – Fully integrated design incorporates the fan, damper valve, cleaning mechanism, Torit control board and factory prewiring for straightforward installation.
- **ATEX Explosion Protection** – Includes a roof mounted ATEX explosion relief panel and lower pressure-drop spark trap for applications involving potentially explosive dusts.
- **Automatic Filter Cleaning** – High pressure reverse pulse cleaning helps maintain filtration efficiency and airflow while reducing filter changeouts.
- **Enclosed & Quiet Operation** – Closed-coverage construction protects internal components and provides quieter operation.
- **Quick & Easy Maintenance** – Quick-access filters and self centring cartridge fittings with handles simplify filter changes and servicing.
- **Quick-Release Dust Disposal** – Convenient dust disposal system helps minimise downtime during waste removal.
- **Flexible Installation** – Compact flat sided construction allows corner installation and is suitable for external positioning.
- **Lower Operating Costs** – Efficient filtration and low energy requirements help reduce ongoing energy and maintenance costs.

Technical Specification

- **Model:** DFPRO 6-SPRK-R

- **Airflow Capacity:** 3,200 CFM / 5,400 m³/h
- **Filter Cartridges:** 6 oval cartridges
- **Total Filter Area:** 1,140 ft² / 106 m²
- **Fan Motor:** 5.5 kW / 7.5 HP
- **Electrical Supply:** 400 V, 3-phase
- **Explosion Protection:** ATEX explosion relief panel
- **Dimensions (W×D×H):** 1640 × 2050 × 3240mm

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