Donaldson Torit (DCE) UMA 40 Dust Extractor

Sorry, this machine is no longer available

We might be able to meet your requirements with other Dry Dust Filters machines.

Stock No	EX1627
Manufacturer	Donaldson Torit (DCE)
Model	UMA 40
Year of Manufacture	20008
Serial	00036123
Approx Duty CFM / M³/Hr	100 - 400 // 170 - 680
Filter Area ft² / m²	40 // 4
Other Info	Supplied with existing Hepa Filter
Weight (kgs)	166
External Dimensions (WxDxH mm)	660 x 750 x 1920

Description

DCE UMA 40 Dust Extractor

The Unimaster dust control unit is the most economical and effective solution for a diverse range of nuisance dust problems throughout the industry. The Unimaster's unrivalled quality and versatility mean that it is suitable for a multitude of applications.

As a result, the Unimaster range is Donaldson's most universally accepted dust collector.

Fields of application:

- Chemical and Allied Industry
- Rubber and Plastic Industry
- Pharmaceutical Industry
- Lumber and Wood Products
- Agricultural Industry
- Iron Foundries
- Jewellery and Precious Metal Industry
- Paint Industry
- Stone, Clay and Glass Industry
- Metal Mining Industry
- Food and Related Industries
- Textile Industry
- Industrial Machines Industry
- Tobacco Industry

Principle of Operation

Air Flow

Contaminated air from the dust generation source is drawn through the inlet to the filter by a fan. Initially some pre-separation takes place as heavier dust particles lose momentum and fall into the collection bin or hopper. Finer dusts are carried up to the filter elements where they are retained on the outer surface of the filter fabric. The cleaned air is then passed through the filter fabric and then the secondary HEPA filter before finally being vented to atmosphere.

Cleaning

When the operation is switched off the filter fabric cleaning cycle is automatically activated. The collected dust is then dislodged from the filter elements and falls into the collection bin below.

Dust Capture at All Points

The Unimaster is an ideal dust collector for intermittent operations in plant processes. Several small self contained Unimaster units can be placed at the points of dust generation. This approach results in total dust capture and flexibility of operation

Filtration Media

A variety of filtration media is available to suit many applications such as:

- Polyester,
- Polyester Anti static,
- Polyester Oleophobic,
- Polyester Oleophobic Antistatic,
- Tetratex,
- Tetratex Antistatic.

Featues include;

- HEPA Secondary filtration, Ultimate filter cartridge for use with dangerous dusts
- 1.1kW 230 Volt 1Ph Fan set
- Multi positional inlet for easy connection to ducting and hoses.
- Automatic fan starter and shaker motor controller
- Suitable for internal locations and external applications

Design limits (standard equipment)

Temperature range: 10 to 60C

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