



## **DCE 100 Series**

# The mini air venting filter

## Compact and reliable

► The DCE 100 series is a compact dust filter ideal for venting small volumes of dust-laden air on bins, hoppers and vessels on conveying and material handling systems. It is a much better alternative to a sock filter and ensures compliance with the relevant health and safety and CoSHH legislation.

The small circular footprint of the DCE 100 series means it can be optimally positioned on the vessel and the overall low height enables easy installation where clearance height is restricted.



## Stainless steel construction

► Constructed out of high quality 304L stainless steel with a rugged ABS hinged top the DCE 100 series is durable and its appearance fits well with other manufacturing equipment.

### Typical industries served

- Food industry
- Plastics industry
- Chemical industry
- Materials handling
- Powder processing
- Pharmaceutical industry
- and many more...

## Proven media

► The DCE 100 series uses proven spun-bonded polyester media as installed in venting applications worldwide. A hinged top means cartridge removal could not be easier. The manifold, diaphragm valve and timer components are all readily accessible for easy maintenance. The DCE 100 series is a complete unit which comes ready to fit.

► The range comprises two sizes at 2.5 m<sup>2</sup> and 3.6m<sup>2</sup> filtration area. It is available as a standard venting unit and as a fan-assisted version. The venting unit can handle air volumes from 200 - 400m<sup>3</sup> per hour. The fan unit is rated up to 225m<sup>3</sup> per hour @50mmWG.

| Model     | Type    | Area (m <sup>2</sup> ) |
|-----------|---------|------------------------|
| DCE 125 B | Venting | 2.5                    |
| DCE 136 B | Venting | 3.6                    |
| DCE 125 F | Fan     | 2.5                    |
| DCE 136 F | Fan     | 3.6                    |

## Features and benefits

Compact design

- High quality stainless steel construction
- Low height and small circular footprint
- Hinged top for easy cartridge removal
- Proven cleaning performance
- More effective than a sock filter
- Ensures CoSHH compliance
- ATEX compliance option
- 

All filters have anti-static features to allow for all dust types, including explosive dusts.



# The mini air plastic liner

## 'Food industry' plastic liner for the DCE 100 range

### Innovation

The most compact dust filter is even more reliable! Donaldson has taken its highly successful DCE 100 Bin Vent Filter and offer an innovative plastic liner, for the food, chemical and pharmaceutical industries.

### Moulded Polyethylene Construction

The DCE 100 liner is formed using a rotational moulding process and is constructed from a 'food grade' polyethylene. This ensures that the finished product is 100% crack and crevice free, therefore it is ideal for applications where the threat of contamination is cause for concern. The one piece moulding ensures the highest levels of cleanliness and hygiene and are easily maintained.

### Benefits to the food industry

- ▶ Easy to clean / maintain
- ▶ Cost-effective efficiency
- ▶ High quality construction
- ▶ Suitable for explosive materials
- ▶ Contamination-free operation
- ▶ Materials approved for food industry



## The DCE 100 plastic liner

| Description of parts  |
|---|
| Rotational moulded, polyethylene, food industry insert suitable for the DCE 125 B/F |
| Rotational moulded, polyethylene, food industry insert suitable for the DCE 136 B/F |

# The mini air venting filter



## The complete venting filter family

### DCE 100 series

Ideal for venting small volumes of dust-laden air.

### DCE Spotair

The compact venting filter designed for easy installation at any point in a conveying system.

### DCE Siloair

The effective silo venting filter which incorporates high performance and low maintenance.

### Dalamatic insertable

The insertable filter designed to cope with high dust concentrations.

## Donaldson. And everything just got better.

### Total Filtration Management

► Donaldson offers a wide variety of solutions to reduce your energy costs, improve your productivity, guarantee production quality and help preserve the environment.

**Compressed Air Filtration, Sterile Filtration, Process Filtration, Refrigerant Drying, Adsorption Drying, Condensate Drains, Condensate Purification Systems, Air / Oil Separation, Dust and Fume Removal, Process Air and Gas Processing, Oil Mist Separation**

### Total Filtration Service

► A comprehensive range of services especially designed to keep your production at peak performance and at the lowest total cost of ownership.

### Donaldson Europe B.V.B.A.

Research Park Building No. 1303 • Interleuvenlaan 1  
B-3001 Leuven • Belgium  
Phone +32 (0)16 38 38 11 • Fax +32 (0)16 40 00 77  
IAF-europe@donaldson.com  
www.donaldson.com



**Donaldson**  
FILTRATION SOLUTIONS

Donaldson<sup>®</sup>  
**Ultrafilter**

Donaldson<sup>®</sup>  
**Torit<sup>®</sup> DCE<sup>®</sup>**