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FOOD & BEVERAGE MARKET

INDUSTRIAL AIR FILTRATION

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ER FILTER & BEARING (PTY) LTD

Overview

Food processing industries move a variety of products – grain, sugar, flour, dairy, cocoa, cereal, spices and many more. Depending on the application, there may be concern with cross contamination, sanitary regulations, and/or food handling regulations.

Donaldson Torit® has a wide variety of dust collectors that can be applied in the food processing industry ranging from small bin vents to large baghouses customized to meet the specific needs for each type of food product.



Dust collectors or “material separators” in the food industry keep the product in the process stream through use of a bin vent collector such as the PowerCore® CP unit, preventing the loss of valuable ingredients and removing a potential waste stream. PowerCore filters represent the latest technology in dust collection and outperform baghouse collectors in a smaller space.

With over 100 years of experience engineering dust collectors and filters, Donaldson Torit is the name you can trust above all others for food and beverage processing.



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Products

Cartridge



Downflo® Evolution

The Donaldson Torit® Downflo® Evolution (DFE) cartridge dust collector is capable of reducing equipment size and the number of required filters by up to 40%.



Downflo® Oval

The Donaldson Torit® Downflo® Oval (DFO) cartridge dust collector is a compact, high-efficiency unit that use oval-shaped filters suited for filtering submicron dust.

PowerCore®



CP Series

Donaldson Torit® PowerCore® CP Series cartridge dust collectors use smaller, more efficient filters compared to baghouse models with a footprint up to 50% smaller.

Baghouse



Dalamatic®

The Dalamatic® baghouse dust collector uses Dura-Life™ envelope-shaped bag filters, providing greater movement to dislodge dust cakes during pulsing.



RF Series

The Donaldson Torit® RF baghouse dust collector handles heavy-dust loads and large volumes of air and offers a cleaning system that does not require compressed air.



Unimaster®

The Unimaster® baghouse dust collector does not use compressed air, and comes with a fan, automatic shaker and controller to simplify installation.

Applications



Bulk & Material Handling

Food processing industries move large volumes of a variety of products – grain, sugar, flour, dairy, cereal, spices and many more. Depending on the application, there may be concern with cross contamination, or hygiene issues, or hazards such as the potential for explosive atmospheres. Donaldson has a wide variety of dust collectors customized to meet the specific needs for each type of food product.



Conveying

Donaldson advocates “source collection” designs for conveyor applications, where the dust collector operates near to the point of dust creation. This way less ductwork and fewer discharge systems, which leads to lower purchase costs and less energy consumption.



Packing

Material can be lost during packing, especially from fuming materials. Sometimes the end product is returned to the process, and on other occasions extraction is for hygiene purposes and the airborne dust is collected as waste product. Food materials are often hygroscopic and frequently have the potential to be explosive. Donaldson provides excellent dust collectors to deal with packing applications.



Silo and Bin Venting

The food industry has the requirement to store materials in bulk and Donaldson offers superior dust control technology in the form of small compact bin vent dust collectors through to large venting units for integrating in to large silos. The benefit of integrated dust control is that it delivers efficient product recovery without the need for ducting and separate discharge equipment.

Content : www.donaldson.co.za

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