

**Donaldson**  
**Torit®**

**FILTRATION TECHNOLOGY  
FOR THE GRAIN INDUSTRY**



# INGRAINED IN FILTRATION



Donaldson is a trusted supplier of industrial air filtration, providing effective solutions for grain processing applications. Our filtration expertise, wide breadth of product offerings, and unrivaled product support optimize filtration performance and reduce long-term cost of operation. We offer an extensive range of first-fit and aftermarket products and services to keep your process running efficiently, from incoming materials all the way through to packaged goods.

## EXTENSIVE FILTRATION EXPERIENCE & EXPERTISE

Donaldson supplies reliable dust collection and combustible dust mitigation solutions to fit a variety of grain processing filtration applications. Our products provide you with a wide selection of options to address the unique challenges of the grain industry.



### Full Range of Leading Dust Collection Options

PowerCore CP Series and other Donaldson dust collectors are dependable workhorses in the grain industry.



### Pleated Bag and Dura-Life Filtration Solutions

Advanced filtration technologies enhance performance and help reduce operating expenses.



### Combustible Dust Mitigation Experience

We work with you to support your fire and explosion prevention and protection strategies, such as explosion venting.

## A CORNACOPIA OF PRODUCT OFFERINGS

Donaldson has filtration expertise to meet the most challenging grain-handling operations and dusty situations. At every stage of production, we offer a variety of filtration technology solutions to address your nuisance dust, including: unloading, storage, transfer, grinding, milling, crushing, blending and packaging.



### **PowerCore® CP Series Bin Vent Collector**

Perfect for small spaces, the PowerCore CP is an excellent choice for applications that have high airflow, high grain loading, or challenging particulate operations.



### **RF Baghouse Collector**

RF collectors are rugged, high performance baghouse collectors for heavy dustloads and large air volumes. They use a high volume, low pressure pulse cleaning system.



### **LP Baghouse Collector**

Like the RF, the LP baghouse collector is a durable, high performance collector used where heavy dustloads and large air volumes are required. They provide filtration with a reverse air cleaning design.



### **Downflo® Evolution Cartridge Collector**

A high efficiency collector for free flowing dust, the Downflo uses fewer filters and requires less space.



### **Dalamatic® Baghouse Collector**

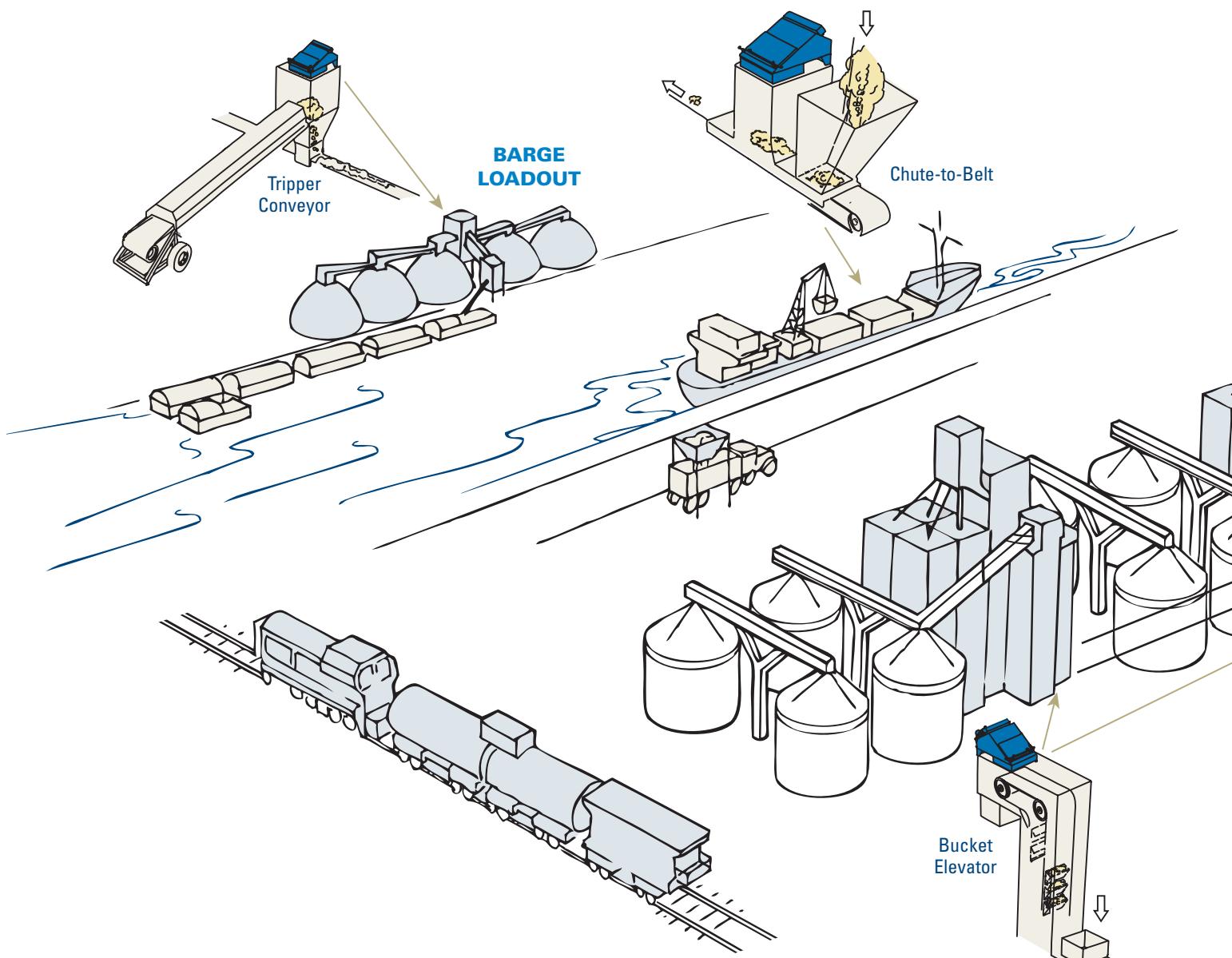
Effective for challenging dust collection, the Dalamatic is especially good for sticky dust or in humid environments.



### **Replacement Filters**

Our extensive range of replacement filters fit Donaldson collectors as well as most popular collector brands.

# FILTRATION TECHNOLOGY AT EVERY STAGE

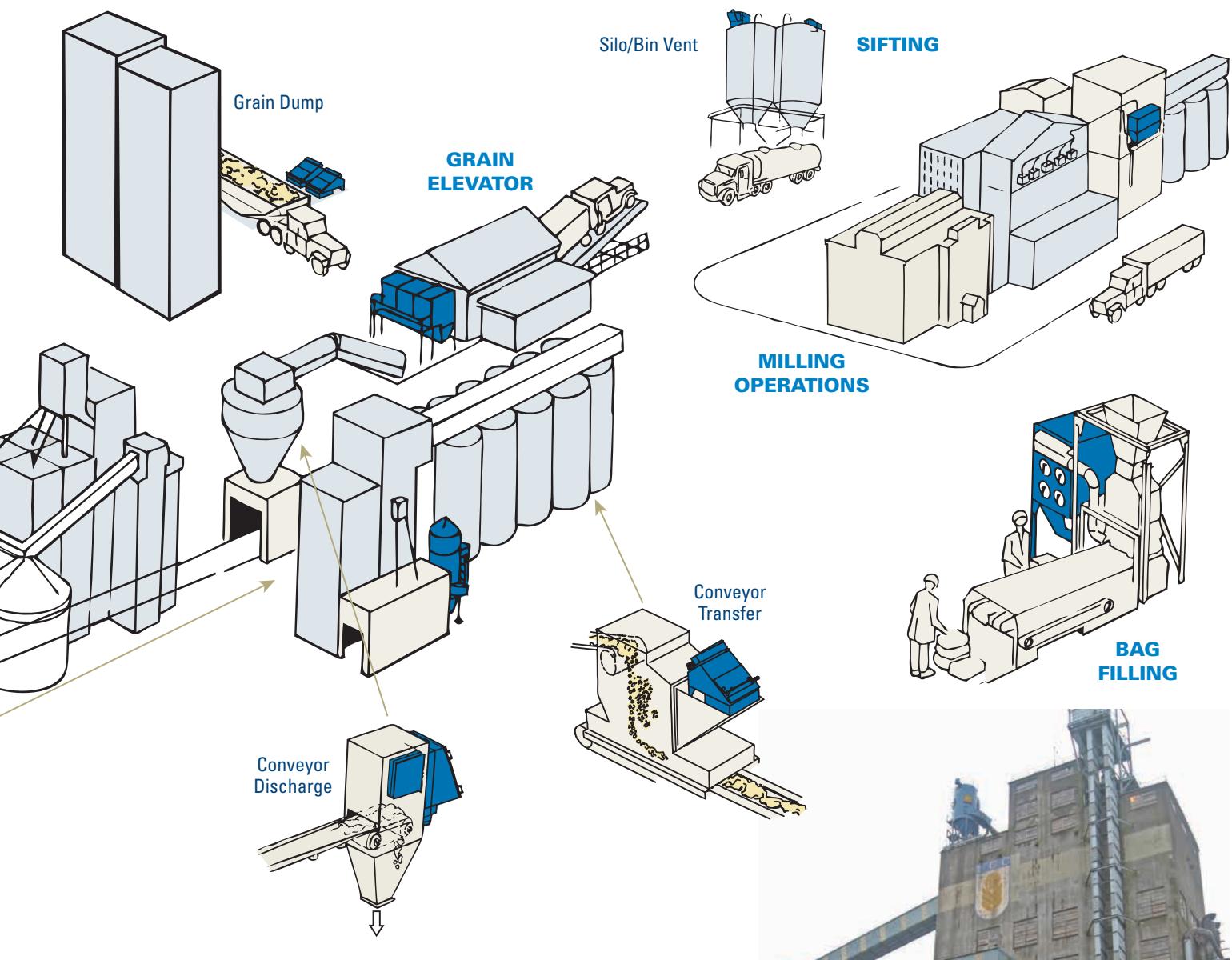


**PowerCore® CPV Truck Dump**  
18,000 cfm (30,564 m<sup>3</sup>/h)

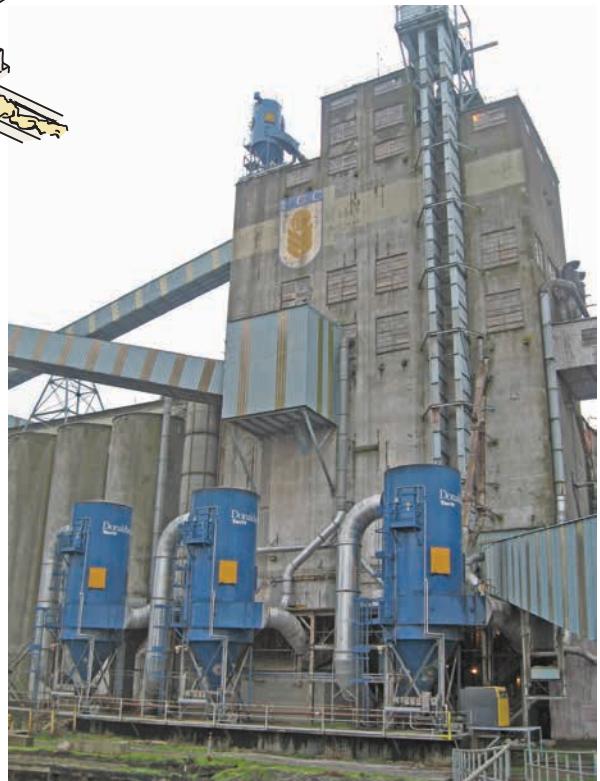


**Downflo® Oval - Corn Husking & Sorting**  
28,500 cfm (48,412 m<sup>3</sup>/h)

Advance your processing with high performance filtration technology installed at every point of production. No matter what type of grain you process, Donaldson can provide solutions the source of collection.



**LP on Nut Dust**  
280,000 cfm (475,622 m<sup>3</sup>/h)



**RF - Grain Terminal**  
61,000 cfm (103,618 m<sup>3</sup>/h)  
[donaldsonair.com](http://donaldsonair.com) | 800-365-1331

## NOTHING COMPARES TO DURA-LIFE™\* BAG FILTERS

Available only from Donaldson, Dura-Life filter bags are engineered with a unique hydroentanglement process that extends bag life and saves energy. Available for all popular brands of baghouse collectors.



## ULTRA-WEB® TECHNOLOGY FILTERS MORE EFFECTIVELY

Ultra-Web® technology bonds Donaldson's proprietary fine fiber layer to a variety of media. Ultra-Web cartridge filters, pleated bag filters and PowerCore® filter packs last longer, save more energy and filter more efficiently than ordinary filters. Available for all popular brands of cartridge collectors and baghouses.



## FULLY EQUIPPED FOR BETTER FILTRATION

Donaldson Torit is your source for the most technically advanced and engineered parts and accessories for your dust collector.

- Rotary Valves
- Fans
- Easy Duct™ Ductwork
- Cages & Hardware
- Diaphragm/Solenoids
- Delta P & Delta P Plus Controls
- Motors



## UNRIVALED PRODUCT SUPPORT

Our knowledgeable support staff is just a phone call away.

**Need advice?** Donaldson offers expert support for food filtration applications.

**Need filters?** We have 90,000 parts stocked and ready to ship within 24 hours.

**Need support?** Donaldson's comprehensive warranty and dedicated customer service staff are there when you need them.



## MIDWEST GRAIN TERMINAL SEES BENEFITS OF NEW DUMP PIT DESIGN WITH POWERCORE® CPV

**INDUSTRY:** Grain Handling

**PROBLEM:** Slow and costly dump pit dust collection system

**SOLUTION:** Improved dump pit system designed to incorporate point-of-use dust filtration PowerCore® CPV provides significant first cost savings and reduced annual operational costs.



As the grain industry continues to update and modernize facilities, the trend is to decrease costs, increase throughput, incorporate new technologies, eliminate waste streams, improve energy efficiency and effectively manage dust emissions to meet tighter standards.

Advancements with grain dump pits are resulting in dumping hopper bottom trailers faster and more efficiently. One innovative approach to dust management is to collect and manage the dust at the point of generation -at the source in the dump pit. The technology gaining popularity is the Donaldson Torit PowerCore CPV point-of-use dust collection system.

To maximize this technology, proactive collaboration is needed between the elevator operator, the general contractor, and the dust collector manufacturer early in the process. Dump pit design should allow for the collector to fit off to the side of the pit and still allow enough room for trucks to easily pass through for unloading.

The Donaldson Torit CPV integrated system approach offers numerous benefits that include:

Elimination of waste stream- No dust to dispose

- Lower Initial CapEx Costs for equipment and installation
- Less Equipment-no need for dirty air ducting
- Less Power requirements-up to 40% less horsepower
- Lower Operational Costs –annual energy savings
- Faster Dumping
- Easier Maintenance

The Donaldson Torit CPV integrated dust control system provides great dust control, lower costs, faster ROI and ongoing energy savings all rolled into one package.

To learn more visit [donaldstotorit.com](http://donaldstotorit.com) or call 1-880-365-1331

## Industry-Leading Technology

- Advanced filtration technology for optimal performance
- Reduced energy consumption and cost of ownership
- Advanced design and testing capabilities

## The Most Filters and Parts

- For every brand and style of collector
- Wide range of filtration media for any application
- 90,000 filters and parts in stock and ready to ship

## Unparalleled Support

- Live technical specialists
- Comprehensive pre- and post-sale support
- 40 manufacturing plants and 14 distribution centers worldwide

Significantly improve the performance of your collector with genuine Donaldson Torit replacement filters and parts. **Call Donaldson Torit at 800-365-1331.**

### Important Notice

Many factors beyond the control of Donaldson can affect the use and performance of Donaldson products in a particular application, including the conditions under which the product is used. Since these factors are uniquely within the user's knowledge and control, it is essential the user evaluate the products to determine whether the product is fit for the particular purpose and suitable for the user's application. All products, product specifications, availability and data are subject to change without notice, and may vary by region or country.



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