

Donaldson®
Torit®

**FILTRATION TECHNOLOGY
FOR GRAIN INDUSTRIES**



FIRMLY INGRAINED IN BETTER FILTRATION

For nearly 100 years, Donaldson® Torit® has provided the filtration expertise that grain processors need to improve production, enhance facility safety and boost their bottom line. It began with the vision of company founder Frank Donaldson Sr. who developed a simple air cleaner in 1915 to solve a farmer's tractor problems. From there, Donaldson Torit acquired the Day division of Carter-Day, merging our advanced filtration knowledge with a trusted source for dust collection in the grain industry.



Today, Donaldson Torit provides advanced dust collection technology for the grain industry that lowers energy costs and requires fewer filter changes. At every stage of production—unloading, storage, transfer, grinding, milling, crushing, blending or packaging—Donaldson Torit filtration technology helps you keep product moving through your facility at a lower cost.



ADDRESSING GRAIN CHALLENGES

Filtration in grain operations can be challenging, especially with older systems that may be overloaded. Existing filters that have been modified over time may have diminished airflow and frequent labor intensive bag changes that can affect productivity and frustrate workers. Inefficient systems that operate at high pressure differential may consume too much energy and may not provide enough airflow to keep product moving efficiently through your operation. Heavier regulations for PM emissions may require different filter options for a bin vent or receiving operation in your plant.

Donaldson Torit has provided industrial air filtration expertise to meet the most challenging grain-handling operations and dusty situations. From product receiving to packaging, Donaldson Torit will provide our expertise and a complete line of equipment and replacement filter options to address your specific needs. We work with grain facilities worldwide everyday to provide reliable equipment, keep production costs low, and maximize output.



DOWNFLO® OVAL (DFO)

Corn husking and sorting
28,500 cfm



TORIT® POWERCORE® CPC

Grain tripper conveyor
18,700 cfm



LP

Nut dust
280,000 cfm



RF

Grain terminal
61,000 cfm

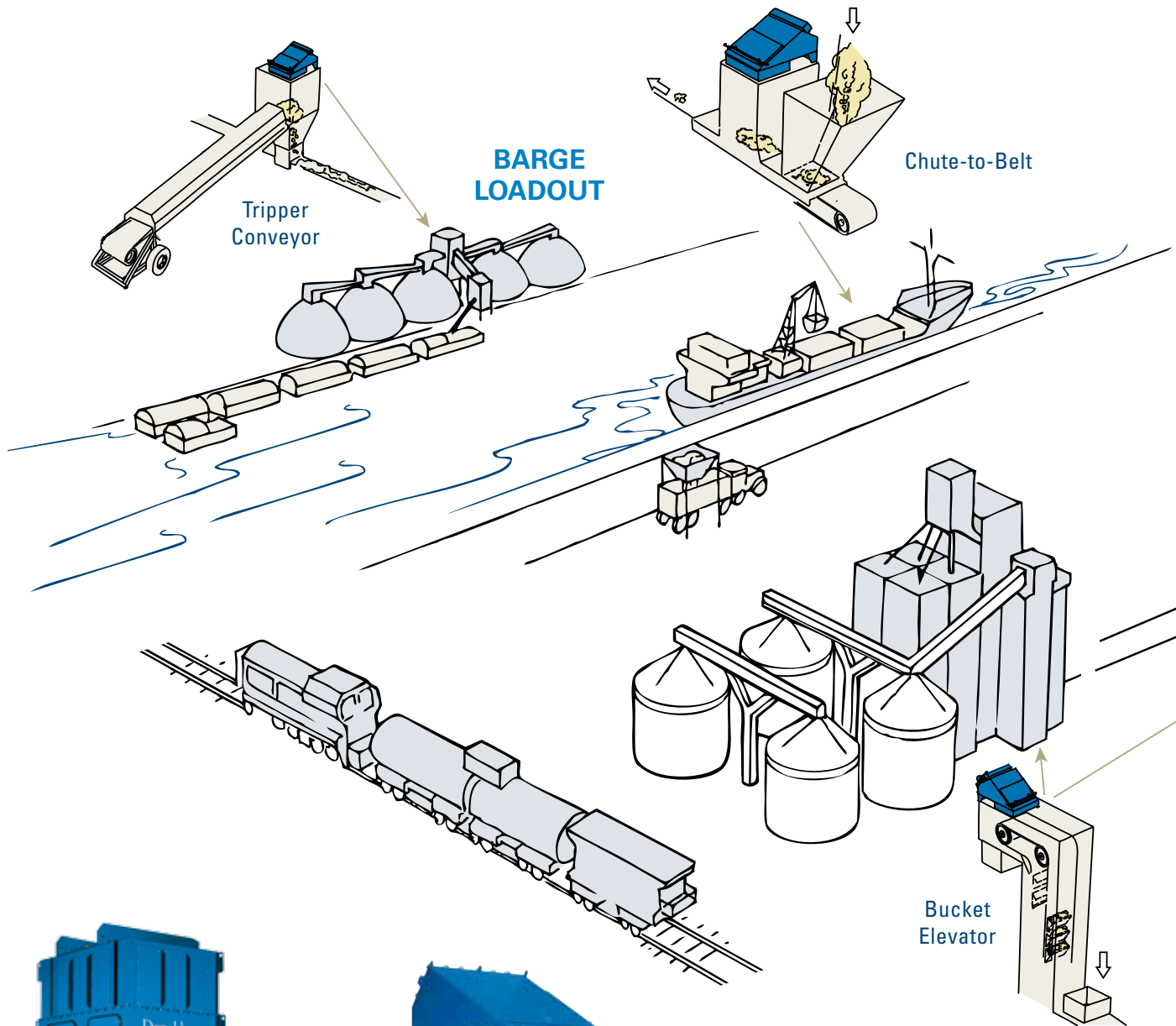


TORIT® POWERCORE® CPV

Direct bin venting distributor head
2,400 cfm

FILTRATION TECHNOLOGY AT EVERY STAGE

Advance your processing with high performance Donaldson Torit filtration technology installed at every stage of production. No matter what type of grain you process, Donaldson Torit is the name to trust for dust control in the grain industry. Donaldson Torit can provide many solutions for each source of collection, contact a Donaldson Torit representative for more information.



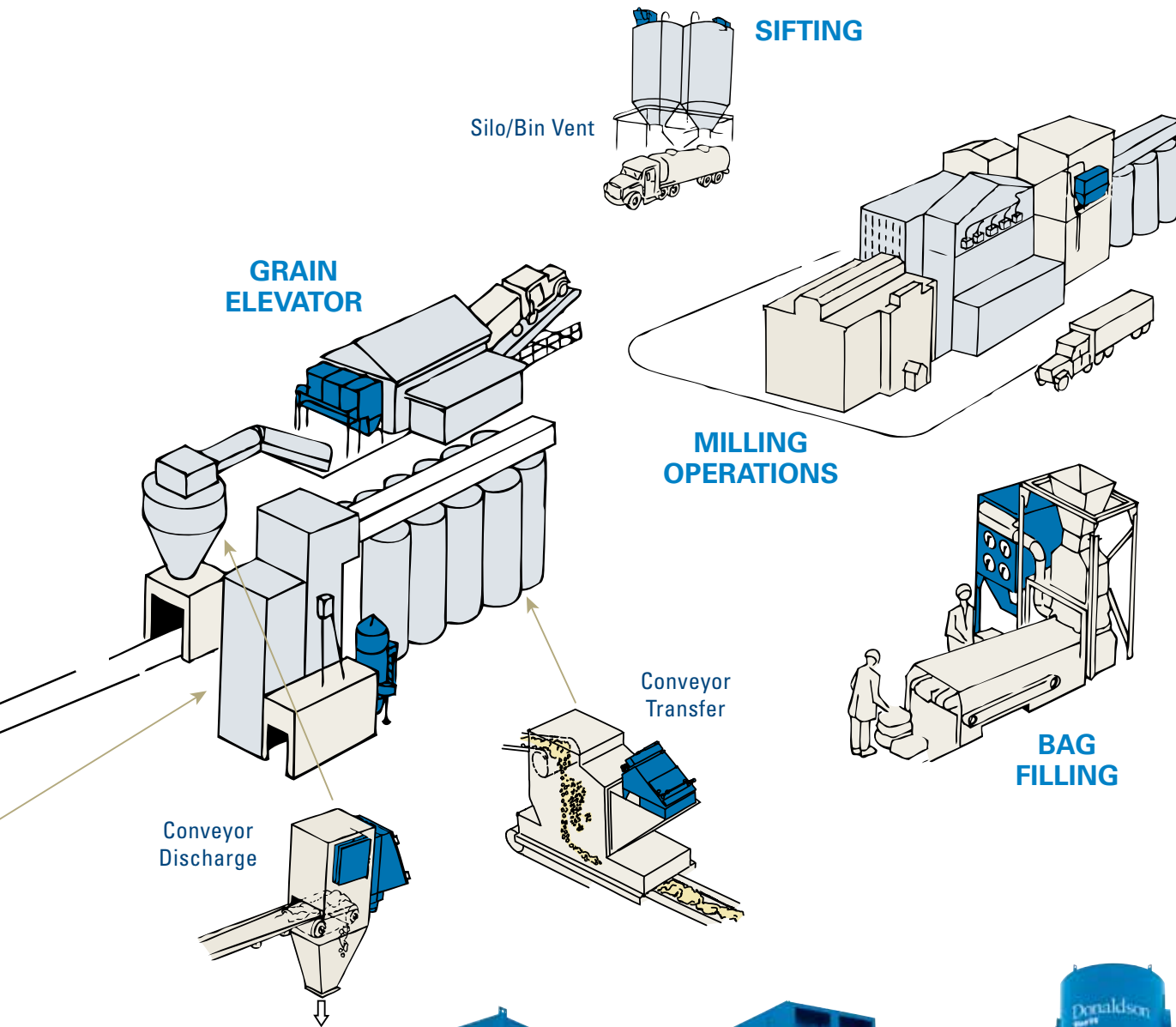
Torit® PowerCore®
VH Series Dust Collector



Torit® PowerCore®
Dust Collector



Torit® PowerCore®
Bin Vent Collector



Dalamatic® Insertable Dust Collector



Downflo® Oval Dust Collector



Dalamatic® Cased Baghouse Collectors



RF and LP Baghouse Collectors

NOTHING COMPARES TO DURA-LIFE™ * BAG FILTERS

There are ordinary bag filters and then there are Dura-Life™ bag filters. In a class by themselves, Dura-Life filter bags—only available from Donaldson Torit—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

Advanced Ultra-Web® technology gives you a clear advantage. By bonding our proprietary nanofiber layer to a variety of media—including spunbond polyester for challenging processes that generate agglomerative dust—Ultra-Web cartridge filters, pleated bag filters and PowerCore® filter packs last longer, save more energy and filter more efficiently than ordinary filters. Now available for all popular brands of cartridge collectors.



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

Soybean Terminal Obtains 3X Longer Filter Life with Dura-Life™ Bag Filters

INDUSTRY: Soybean Processing

PROBLEM: Short filter life

SOLUTION: By switching from conventional 16-oz polyester filter bags to Donaldson® Torit® Dura-Life™ bag filters, this soybean terminal now enjoys more than 3 times longer filter life.



Above: Dumping soybeans generates 10,000 pounds of dust every 36 hours at this midwest terminal.

Dumping field-fresh soybeans from the truck into storage is a dusty job—in fact, the dust-loading in the baghouse is 10,000 pounds every 36 hours at one terminal in southeastern Arkansas. The plant runs 24/7, so having to stop and change filter bags disrupts the process. When the terminal manager searched for better filter bags with longer life, he found his solution in Dura-Life™ Twice-the-Life bag filters from Donaldson® Torit®.

Before, pressure drop across the baghouse with the conventional 16-oz filter bags ran up to 6 “wg” in only 4300 hours (about 6 months.) Now, with Dura-Life bag filters in place, this facility has run 14,000 hours (18 months) of continuous operation without bag replacement. The pressure drop starts at 1 “wg” and rises to 3.5 “wg” before the cleaning mechanism in the baghouse starts—then drops back down to 1 “wg” almost immediately.

“ We see a big difference with the Dura-Life bags. They last a whole lot longer. The price is a little more, but you get what you pay for. ”

Soybean Terminal Manager,
Arkansas

With its smaller, uniform pore size, Dura-Life filter media is very efficient. It is designed with a proprietary hydroentanglement technology that retains dust on the surface of the bag, allowing dust to be pulsed off during the collectors self-cleaning cycle. The filters release 30% fewer emissions than conventional 16-oz polyester filter bags, while providing extra long filter life.

Longer Life with Dura-Life Bag Filters

The terminal manager commented, “We see a big difference with the Dura-Life bag filters. They last a whole lot longer. The price is a little more, but you get what you pay for. And, based on the successful operation in the old collector, we also purchased a set of Dura-Life bag filters for the new Aircon baghouse we just installed.”

* Pressure drop is measured in inches of water gauge, symbolized as “wg.”

For more proven performance on Dura-Life™ bag filters, Ultra-Web® cartridge filters, and Torit® PowerCore® filter packs, visit donaldsontorit.com

Global Support

- Facilities in 37 countries
- 40 manufacturing plants and 14 distribution centers

Leading Technology

- Over 1,000 engineers and scientists worldwide
- Broad range of innovative collectors and filters
- 100s of filter media formulations

Experience and Service

- Technical expertise and support
- Ready-to-ship filters and parts within 24 hours
- 1,000,000+ dust, fume and mist collectors installed

Call Donaldson®Torit® to get cleaner air today:

800 365-1331

Donaldson.com/ToritPowerCore



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