



DALAMATIC® G2 DUST COLLECTORS

CONTROL CHALLENGING DUST



**Smart
Collector**

Powered by iCue™ technology

YOU NEED HELP IN STICKY SITUATIONS

Working with materials that create sticky or agglomerative dust can be a challenge. Moisture can condense the dust and cause it to plug equipment. When that happens, filtration stops, and heavy dust can quickly back up, filling your plant with dust.

To help prevent the downtime and hours of clean-up caused by a clogged filtration system, you need dust control solutions specifically designed to handle challenging dust, with features such as:

- Easy and flexible installation
- Envelope-shaped filter bags for ease of maintenance
- Easy access to filters for quicker changeouts
- Downward airflow for enhanced dust dropout and reduced re-entrainment
- Continuous-duty design
- A Smart Collector with Donaldson's iCue™ Connected Filtration Technology for advanced e-monitoring.

Certain materials are prone to creating challenging dust.

These can include:

- Minerals
- Gypsum
- Cement
- Sand
- Paper
- Grain
- Cattle Feed
- Rice
- Wheat
- Pharma
- Chemicals
- Wood
- Food



DALAMATIC® G2 DESIGNED FOR CHALLENGING DUST

The Donaldson Dalamatric® G2 delivers state-of-the-art technology to help you control challenging and sticky dust. This continuous-duty collector is simple to install, easy to maintain, and provides a lower total cost of ownership — all from a dust control leader you trust.



Modular Design

Pre-assembled modular units with installed bags for easy and flexible installation. Each symmetric module stacks seamlessly in any space.

Customizable options allow you to tailor the system to your needs, with a design that supports future expansion and modifications.



Simplified Maintenance

With easy-open hinged doors and access from the production (or dirty-air) side. The cage stays in the collector during filter changeouts, making replacement easier and lighter. And, compared to earlier models, filter changeout times are reduced by up to 75% with 20% fewer filters to replace.



Lower Total Cost of Ownership

The Dalamatric G2 keeps total cost of ownership low through reduced maintenance costs and fewer filters to buy over the life of the collector.



Smart Collector

Equipped with iCue™ Connected Filtration Technology, your Smart Collector monitors your equipment and provides operational insights through automated alerts and a dashboard that's accessible from your computer or smart devices.



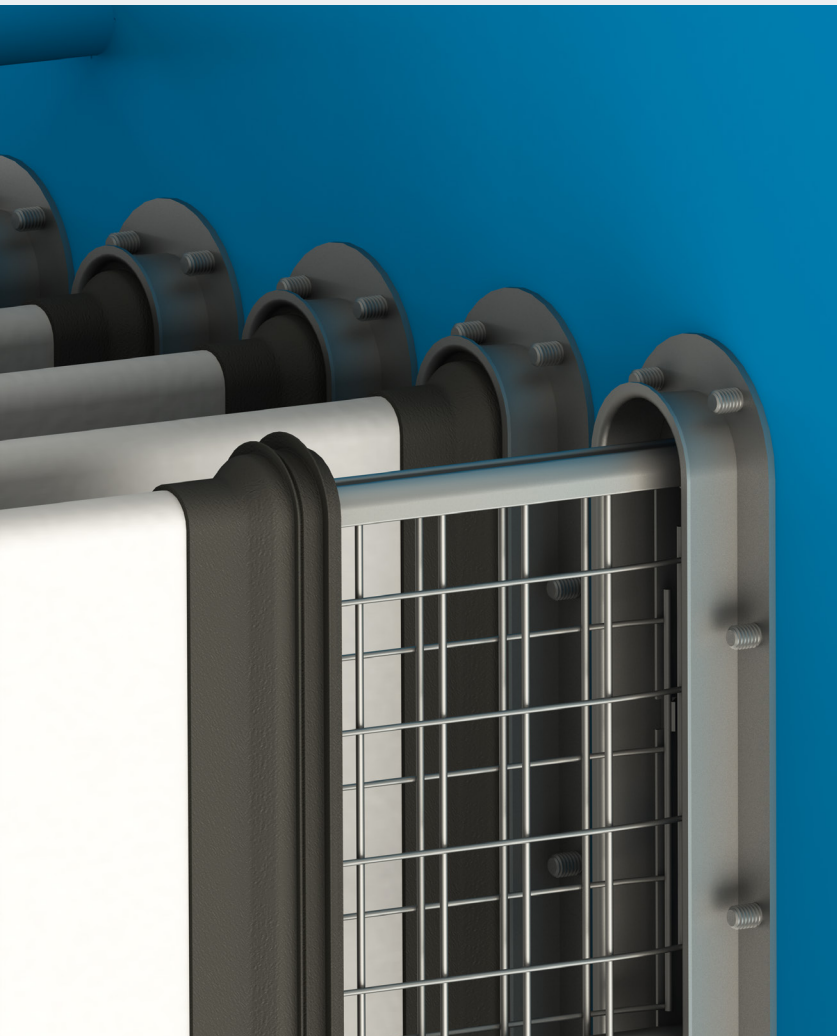
Dura-Life Filter Bags

RADIAL SEAL TECHNOLOGY REDUCES CHANGEOUT TIME

The Dalamatic G2 features a revolutionary Radial Seal filter design with fixed cages, which **reduces the number of steps required in a filter change from 10 to 5.**

75%*

*** That reduces the time for filter changeouts by up to 75% compared to legacy designs.**



- Radial Seal gasket comes preassembled with the filter bag
- Insert guide tools are supplied with the collector and are reused over the life of the collector
- Dirty-side access doors provide direct access to filter bags for filter changeouts and maintenance
- The insert (cage) remains bolted in place during service
- The insert guide tool is inserted into the filter bag with the Radial Seal
- The insert guide tool and filter bag assembly are then pushed over the end and down the length of the insert until the Radial Seal is engaged with the crown (receiver)

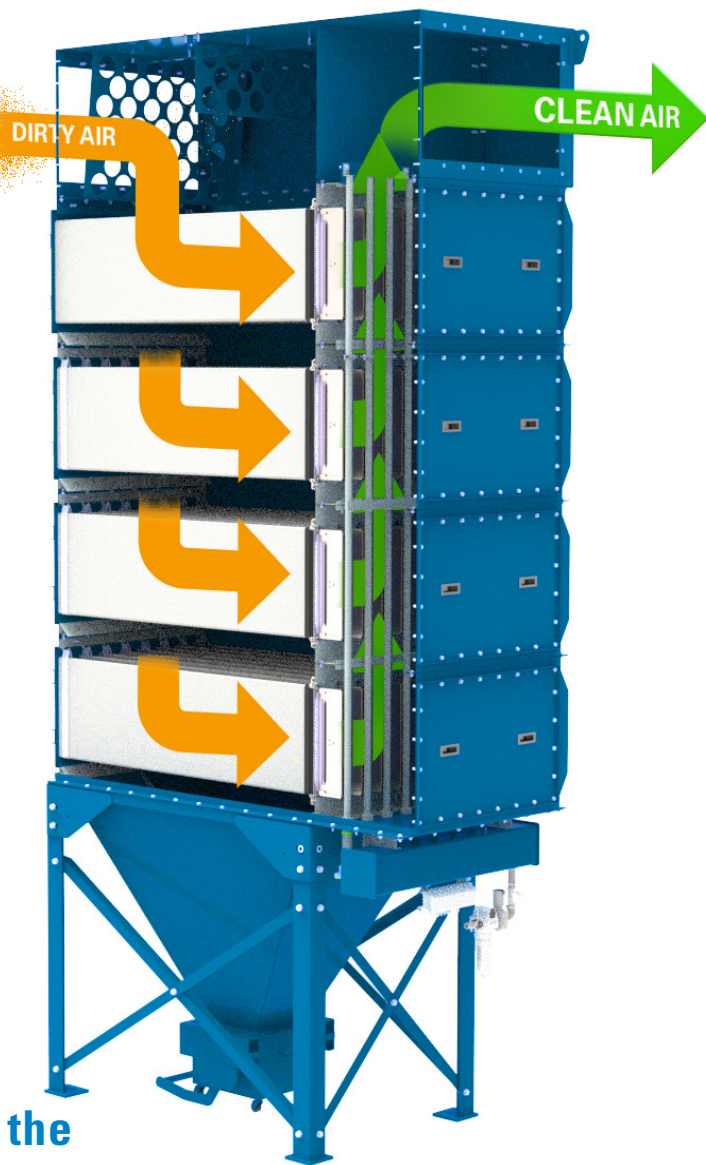
UNIQUE FILTER BAG IMPROVES EFFICIENCY

As experts in innovative dust control solutions, Donaldson went the extra mile in its design of filter bags for the Dalamatic G2, using patented Dura-Life™ bag filters in an envelope shape. The unique shape provides greater movement of the bag to dislodge challenging dust cakes during the powerful pulse-jet cleaning action of the Dalamatic G2.

Dura-Life bag filters are engineered with a hydro-entanglement process that uses water to blend the bag fibers, creating a more uniform material with a smaller pore size that provides better surface loading of dust and prevents penetration deep into the media. In contrast, conventional polyester bags are manufactured with a needling process that creates larger pores where dust can embed into the fabric, inhibiting cleaning and reducing bag life.

With better surface loading, Dura-Life bag filters provide improved pulse cleaning and a lower pressure drop, which results in extended bag life, less maintenance time and cost, energy savings, and greater filtration efficiency.

Dura-Life Filter Bags provide twice the life of standard 16 oz. polyester bags.



How Dalamatic G2 Filter Bags Work

During normal operation, dust-laden air is drawn through the supplied dirty air inlet. From there, natural pre-separation, caused by the effects of gravity, takes place with larger particulate falling directly to hoppers due to the optimized bag spacing and fine particles collecting on the outside surface of the filters. Clean, filtered air passes to the center of the filters and discharges through the clean-air outlet.

Filter cleaning is completed using pulse jet technology. A jet tube positioned over each filter distributes a pulse of compressed air through the filter. As the compressed air enters the filter, airflow is temporarily reversed dislodging the dust cake formed on the outside of the filter. The dust cake falls into the hopper and exits through the hopper outlet.

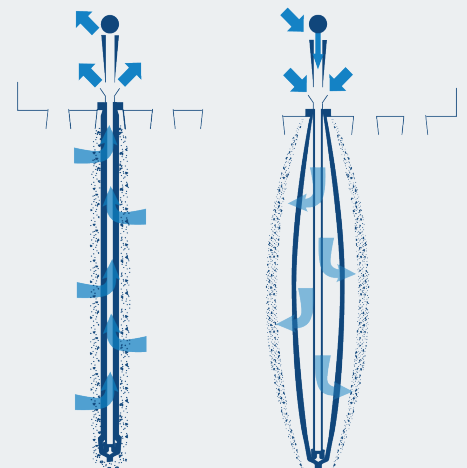
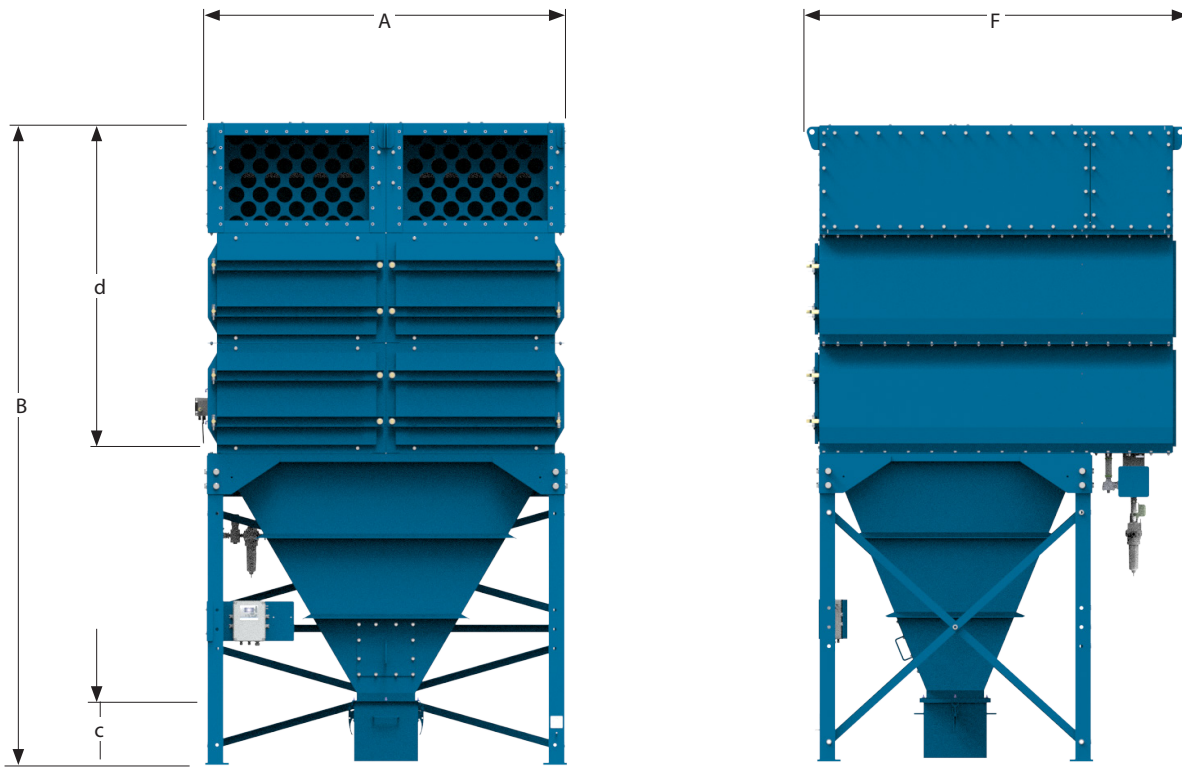


Figure: Collector Operation

MODEL OVERVIEW

OPTIONAL SIDE INLET AVAILABLE

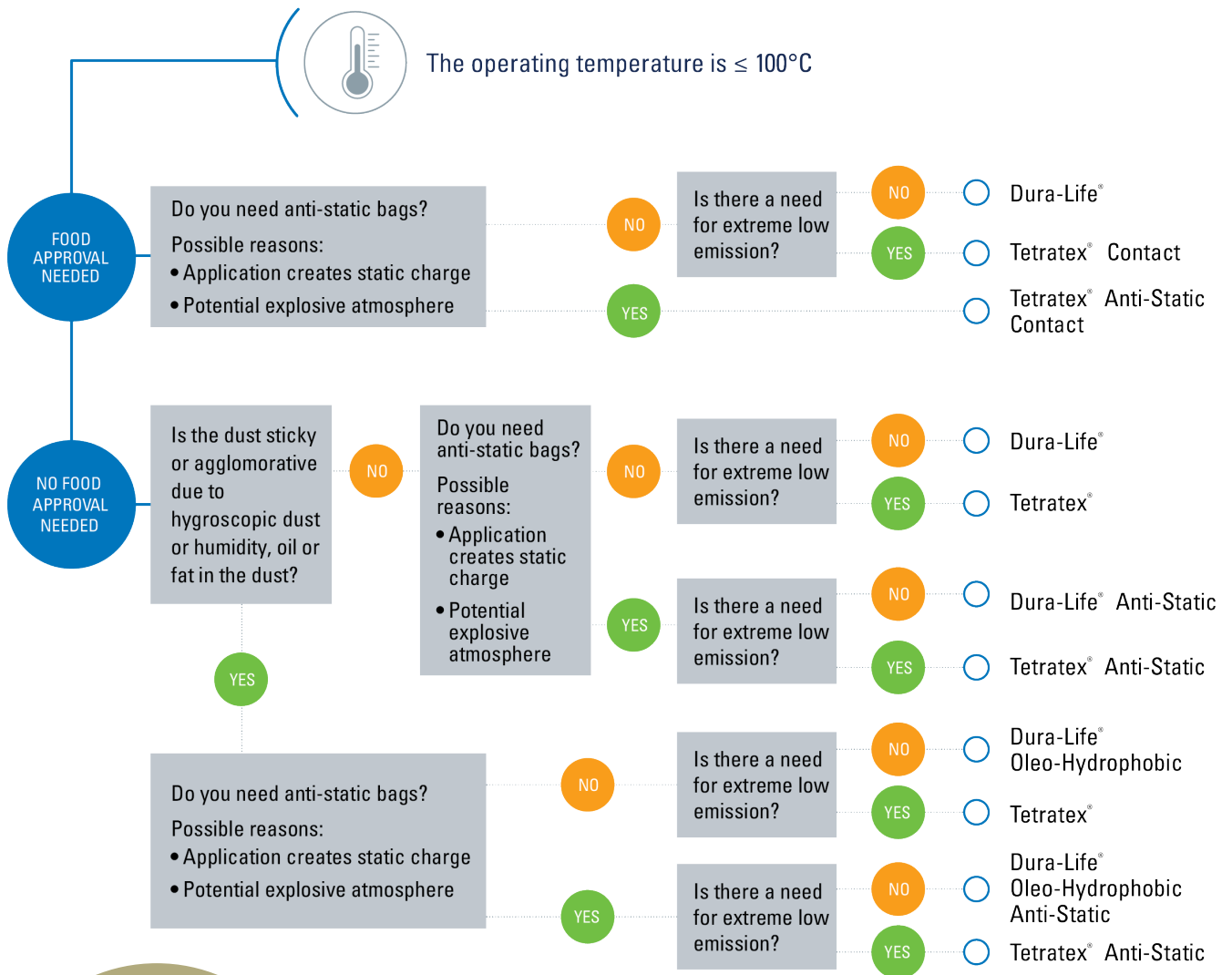


Model	Number of bags*	Dimensions (mm)*					Approx. Shipping Weight (kg)*
		A	B	c	d	F	
Dalmatic G2 Single Bank- Front Inlet	16 - 40	1117	3558 - 7202	400 - 1800	2058 - 4116	2385	932 - 1719
Dalmatic G2 Single Bank- Side Inlet	32 - 40	1178	5116 - 7202	400 - 1800	3430 - 4116	2385	932 - 1719
Dalmatic G2 Double Bank- Front Inlet	32 - 80	2228	3812 - 7456	400 - 1800	2058 - 4116	2385	1682 - 3178
Dalmatic G2 Double Bank- Side Inlet	64 - 80	2284	5370 - 7456	400 - 1800	3430 - 4116	2385	1682 - 3178
Dalmatic G2 Triple Bank- Front Inlet	48 - 120	3339	3612 - 7256	400 - 1800	2058 - 4116	2385	2525 - 4622
Dalmatic G2 Triple Bank- Side Inlet	96 - 120	3399	5170 - 7256	400 - 1800	3430 - 4116	2385	2525 - 4622

* Number of bags, filtration area, dimensions and weight depend on the model and dust disposal system chosen.

MEDIA SELECTION GUIDE

SELECT THE PERFECT MEDIA FOR BAG FILTERS



**CONTACT US
FOR MORE
INFORMATION ON
HOW TO SELECT
THE PERFECT
MEDIA FOR YOUR
OPERATIONS**

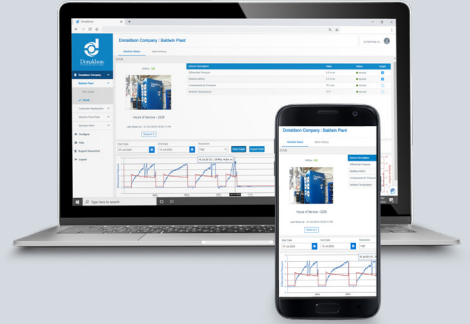


Different specialized medias are available for higher temperatures or when you need resistance to hydrolysis or specific chemical resistance. Our media specialists help you to select the most suited media for your application and dust specifications. Comment: Tetratex® media using an ePTFE membrane layer should be used with care when oil is free present in your dust as this might clog the media.

SMART COLLECTOR. SMART CHOICE.

Choosing a Donaldson Smart Collector means choosing an industry-leading dust, fume, and mist collection solution for your operation and employees.

Smart Collectors come equipped with Donaldson's iCue™ Connected Filtration Technology. The system tracks your equipment, providing real-time data and analytics to help maximize uptime, increase maintenance efficiency, and manage your operation's critical compliance data. Our industry professionals, extensive product portfolio, and outstanding service and support can help ensure your Smart Collector will always be a Smart Choice.



**UNPARALLELED
PERFORMANCE**



**INNOVATIVE FILTER
MEDIATECHNOLOGY**



**INTELLIGENT
ENGINEERING**



Smart Collector
Powered by iCue™ Technology

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