

**DALAMATIC® G2
DUST COLLECTORS**

**CONTROL
CHALLENGING
DUST**



Donaldson
FILTRATION SOLUTIONS

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 superior pulse cleaning
- Optimized spacing between filters for better dust drop out
- Easy access to filters for quicker changeouts
- Integrated inlet designed for optimal air distribution over filters
- Downward airflow for enhanced dust dropout and reduced re-entrainment
- Continuous-duty design
- Smart technology for electronic filtration monitoring

Certain materials are prone to creating challenging dust.

These can include:

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



DALAMATIC® G2 DESIGNED FOR CHALLENGING DUST

The Donaldson Torit® Dalamatic® 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.

Simplified Maintenance

With easy-open hinged doors and access from the production (or dirty-air) side, there is no need to remove jet tubes/blowpipes for service or pull caked filters through a tight tube sheet hole. 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 Dalamatic G2 keeps total cost of ownership low through reduced maintenance costs and fewer filters to buy over the life of the collector. The G2's reduced compressed air consumption makes it one of the most energy-efficient collectors in the industry.

Reduced Downtime

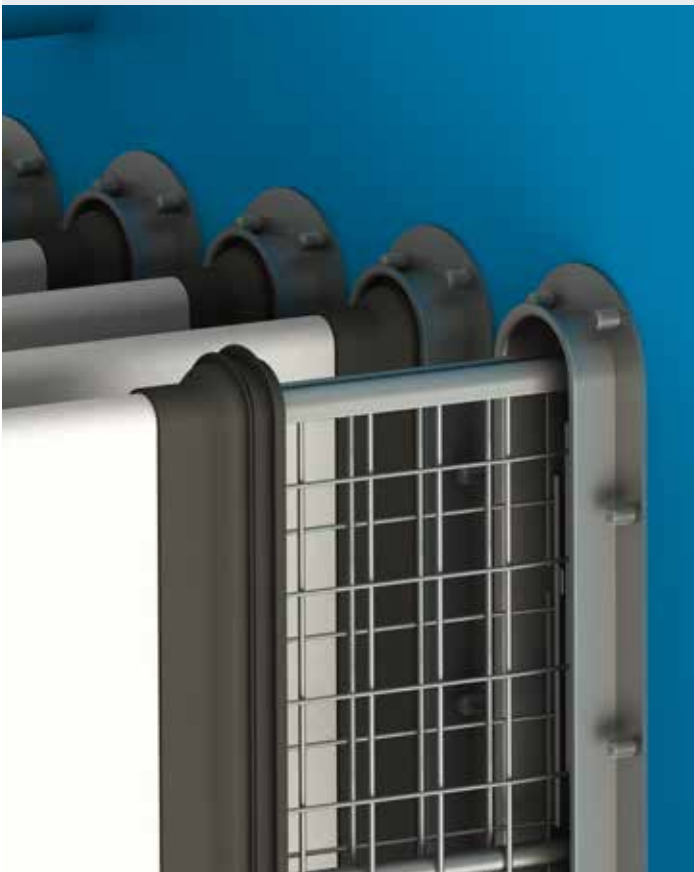
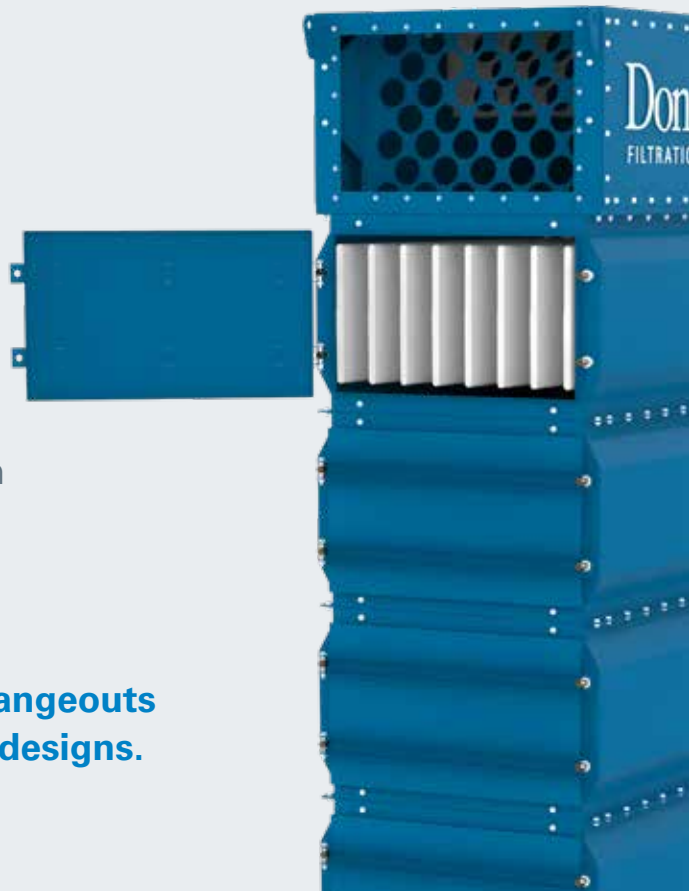
Long-lasting filters and quicker filter replacements can help you optimize your run-time.



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.

That reduces the time for filter changeouts by up to 75% compared to earlier 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)

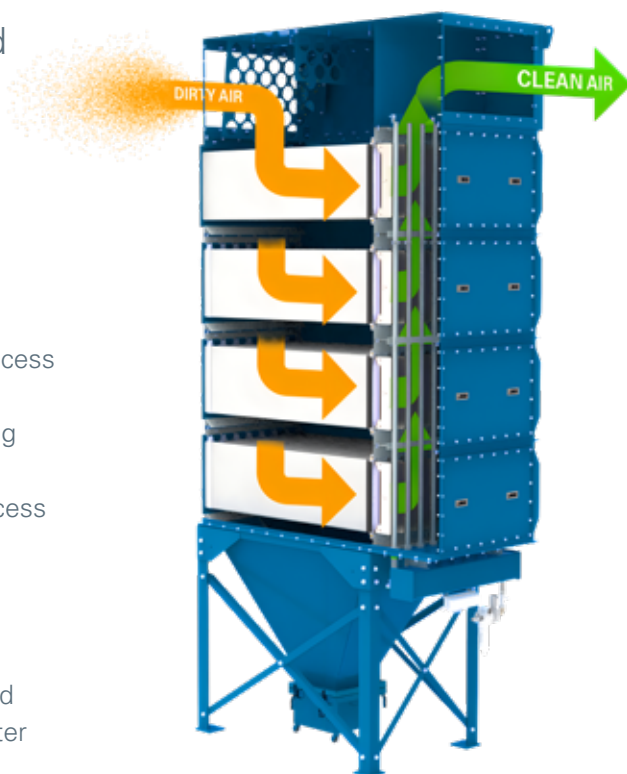
UNIQUE FILTER BAG IMPROVES EFFICIENCY

As experts in innovative dust control solutions, Donaldson went the extra mile in its design of filter bags for the Dalamatric 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 Dalamatric 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 Dalamatric G2 Filter Bags Work

- Dust accumulates on the outer surface of the filter bag as air penetrates the media
- The blowpipe (jet tube) injects a burst of compressed air into the bag filter
- Airflow is then briefly reversed, inflating the bag filter and dislodging dust
- The dislodged dust cake falls into the collection hopper for final removal
- The envelope-shaped bag filter, which is mounted on a unique wire frame, ensures optimum airflow and thorough cleaning

DIMENSIONS & SPECIFICATIONS

DLMC Model	Filter Quantity	Cloth Bag Area		No. of Banks	No. of Tiers	No. of Valves	Shipping Weight with Pyramid Hopper	
		ft ²	m ²				lb	kg
1/2/16	16	276.6	25.6	1	2	8	2,057	932
1/3/24	24	413.3	38.4	1	3	8	2,572	1,165
1/4/32	32	551.1	51.2	1	4	8	3,232	1,464
1/5/40	40	688.9	64	1	5	8	3,795	1,719
2/2/32	32	551.1	51.2	2	2	16	3,713	1,682
2/3/48	48	826.7	76.8	2	3	16	4,773	2,162
2/4/64	64	1102.2	102.4	2	4	16	5,960	2,700
2/5/80	80	1377.8	128	2	5	16	7,015	3,178
3/2/48	48	826.7	76.8	3	2	24	5,574	2,525
3/3/72	72	1240.0	115.2	3	3	24	7,110	3,221
3/4/96	96	1653.3	153.6	3	4	24	8,669	3,927
3/5/120	120	2066.7	192	3	5	24	10,203	4,622

STANDARD FEATURES & AVAILABLE OPTIONS

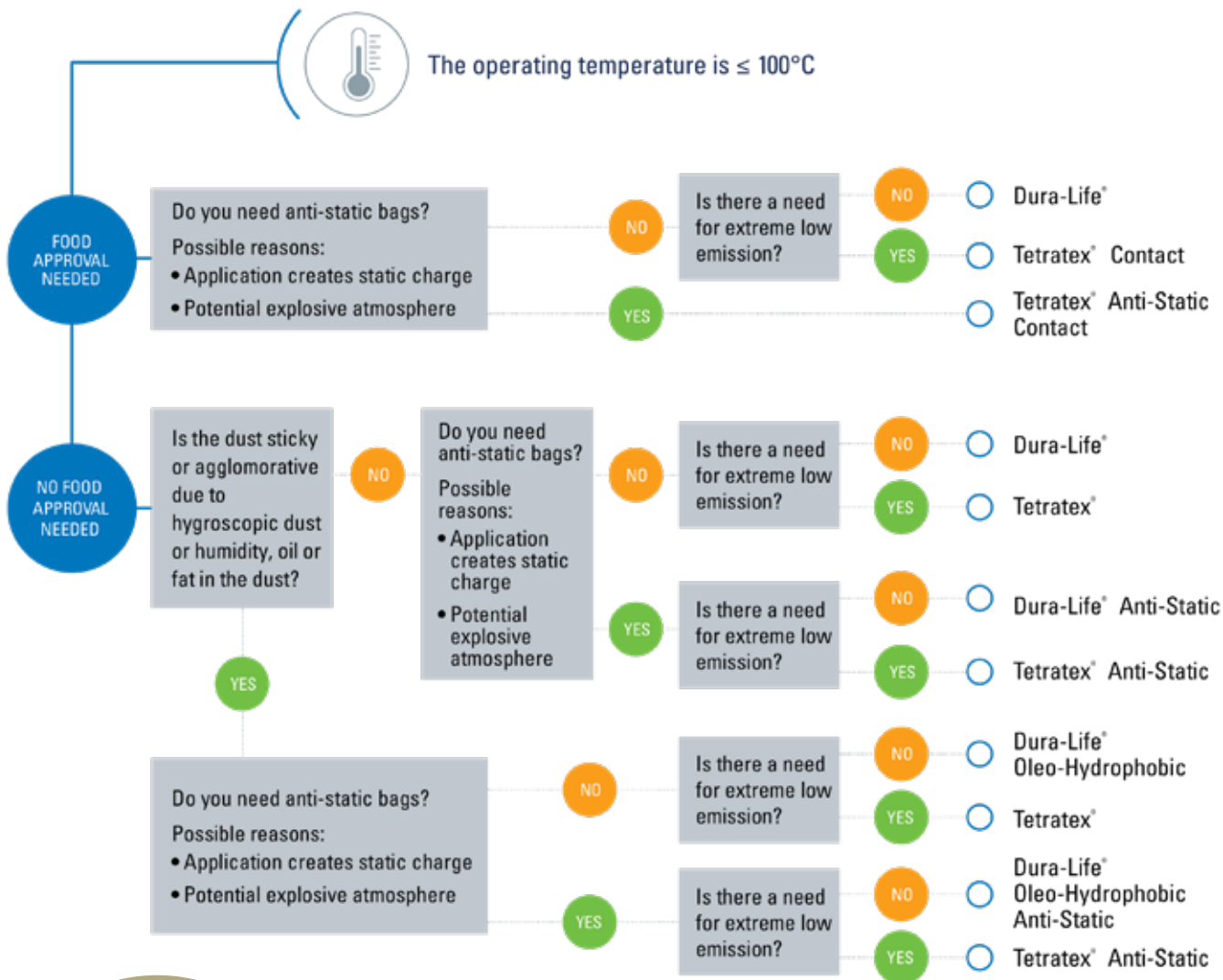
Collector Design	Std	Opt
Mild Steel Construction	X	
Horizontal Bag Removal	X	
Bags & Cages		
Dura-Life Twice the Life Polyester Felt Bags	X	
Variety of Bag Media Options		X
Anti-Static Bag Filters		X
Paint System		
Textured Multi-Coat Paint Finish with 500-Hour Salt Spray Performance	X	
Textured Multi-Coat Paint Finish with 2000-Hour Salt Spray Performance		X
Custom Colors		X

Hopper Design	Std	Opt
Pyramid Hoppers	X	
Support Structure		
Standard Leg Pack	X	
Leg Extensions		X
Electrical Controls, Gauges & Enclosures		
Delta P-C01 Control Panel	X	
Magnehelic®* Gauge		X
Solenoid Enclosure NEMA 9		X

* Magnehelic and Photohelic are registered trademarks of Dwyer Instruments, Inc.

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.

Every Donaldson Smart Collector combines Intelligent Engineering, Innovative Filter Media Technology, and Unparalleled Performance, while setting the standard for collector value and efficiency. 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
MEDIA TECHNOLOGY**



**INTELLIGENT
ENGINEERING**



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