



Donaldson
FILTRATION SOLUTIONS

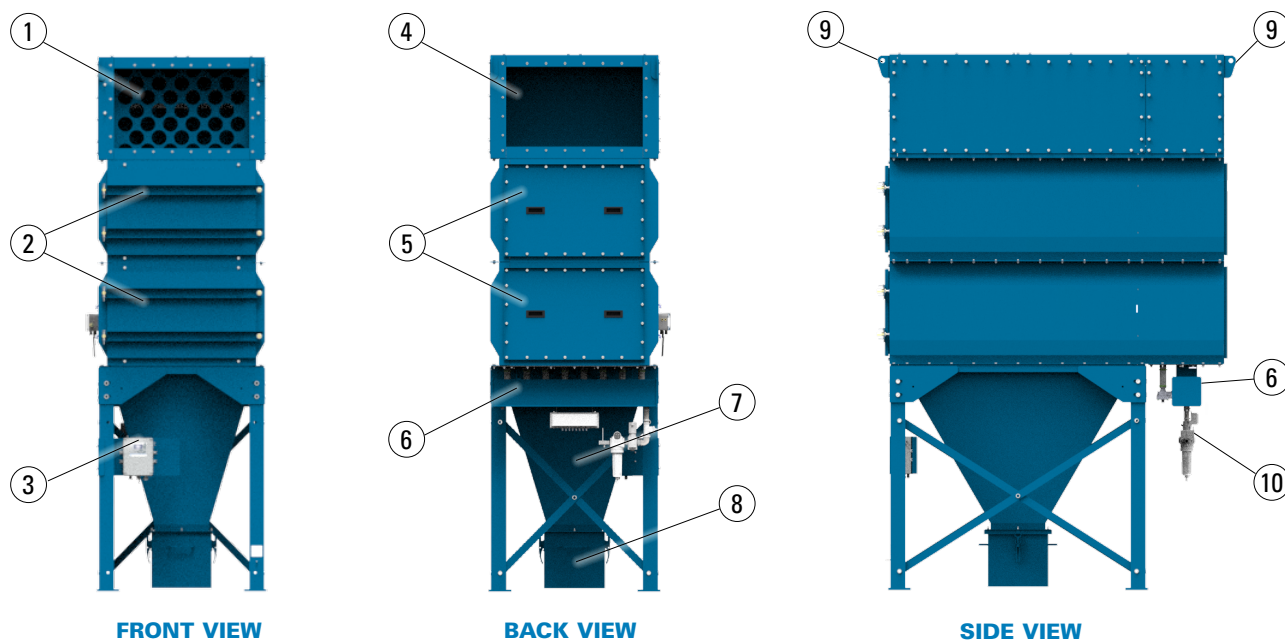
TECHNICAL DATASHEET

DLMC G2 Dust Collectors

Series DLMC G2



DESIGN SPECIFICATIONS



model 1/2/16 with hook-on dustbin (front inlet) shown

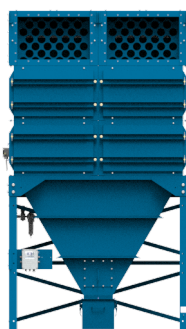
- | | |
|----------------------------------|--|
| ① Dirty air plenum inlet (front) | ⑥ Manifold |
| ② Service door | ⑦ Hopper |
| ③ Controller | ⑧ Dust disposal system |
| ④ Clean air plenum outlet | ⑨ Lifting lug |
| ⑤ Inspection cover | ⑩ Oil/water separator and Pressure regulator |

single bank



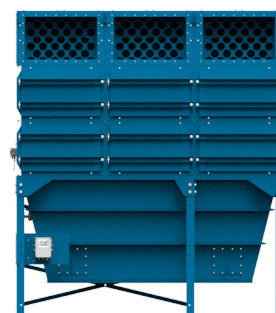
1/2/16 shown

double banks



2/3/48 shown

triple banks



3/2/48 shown

DESIGN LIMITS

- Operating temperature:** -10° to +60°C
- Maximum operating pressure:** -5 kPa (500 mm WG)*
- Wind load rating:** 112 km/h
- Finishing:** Acrylated alkyd paint colour RAL 5019 (blue)- semi gloss
- * for use in positive pressure contact engineering

MODEL OVERVIEW

*optional side inlet available



1/2/16



1/3/24



1/4/32*



1/5/40*



2/2/32



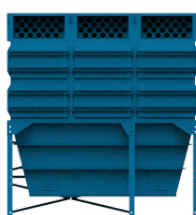
2/3/48



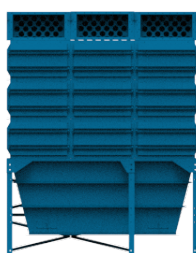
2/4/64*



2/5/80*



3/2/48



3/3/72

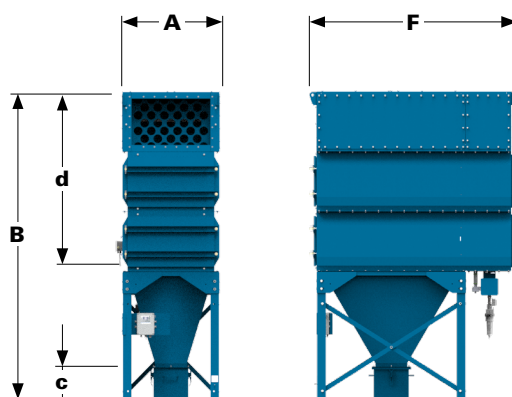


3/4/96*



3/5/120*

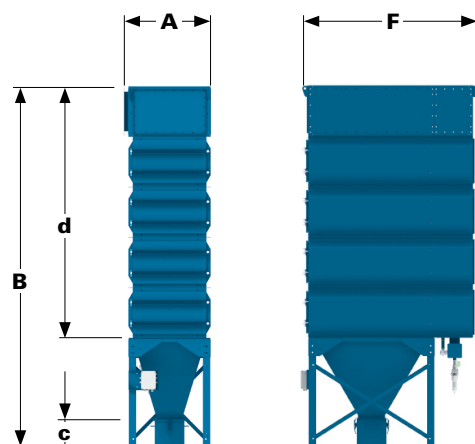
DIMENSIONS & SPECIFICATIONS - DLMC G2 - SINGLE BANK - FRONT INLET



model 1/2/16 shown with quick release dustbin (front inlet)

Model	Number of tiers	Number of bags	Filtration area m ²	Number of valves	Inlet position	Dust disposal system	Dimensions (mm)				
							A	B	c	d	F
1/2/16	2	16	25.6	8	front	200 L drum	1117	4658	1500	2058	2385
						80 L drum	1117	4223	1065	2058	2385
						hook-on dustbin	1117	3558	400	2058	2385
						quick release	1117	3558	400	2058	2385
						rotary airlock/big bag	1117	4958	1800	2058	2385
1/3/24	3	24	38.4	8	front	200 L drum	1117	5344	1500	2744	2385
						80 L drum	1117	4909	1065	2744	2385
						hook-on dustbin	1117	4244	400	2744	2385
						quick release	1117	4244	400	2744	2385
						rotary airlock/big bag	1117	5644	1800	2744	2385
1/4/32	4	32	51.2	8	front	200 L drum	1117	6216	1500	3430	2385
						80 L drum	1117	5781	1065	3430	2385
						hook-on dustbin	1117	5116	400	3430	2385
						quick release	1117	5116	400	3430	2385
						rotary airlock/big bag	1117	6516	1800	3430	2385
1/5/40	5	40	64	8	front	200 L drum	1117	6902	1500	4116	2385
						80 L drum	1117	6467	1065	4116	2385
						hook-on dustbin	1117	5802	400	4116	2385
						quick release	1117	5802	400	4116	2385
						rotary airlock/big bag	1117	7202	1800	4116	2385

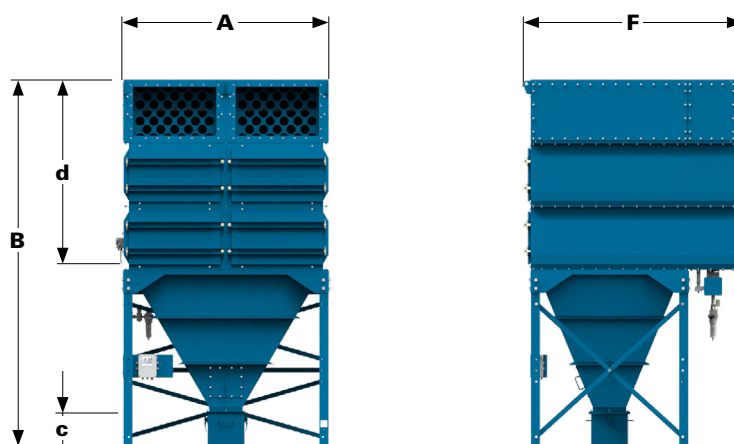
DIMENSIONS & SPECIFICATIONS - DLMC G2 - SINGLE BANK - SIDE INLET



model 1-4-32 shown with quick release dustbin (side inlet)

Model	Number of tiers	Number of bags	Filtration area m ²	Number of valves	Inlet position	Dust disposal system	Dimensions (mm)				
							A	B	c	d	F
1/4/32	4	32	38.4	8	side	200 L drum	1178	6216	1500	3430	2385
						80 L drum	1178	5781	1065	3430	2385
						hook/on dustbin	1178	5116	400	3430	2385
						quick release	1178	5116	400	3430	2385
						rotary airlock/big bag	1178	6516	1800	3430	2385
1/5/40	5	40	51.2	8	side	200 L drum	1178	6902	1500	4116	2385
						80 L drum	1178	6467	1065	4116	2385
						hook/on dustbin	1178	5802	400	4116	2385
						quick release	1178	5802	400	4116	2385
						rotary airlock/big bag	1178	7202	1800	4116	2385

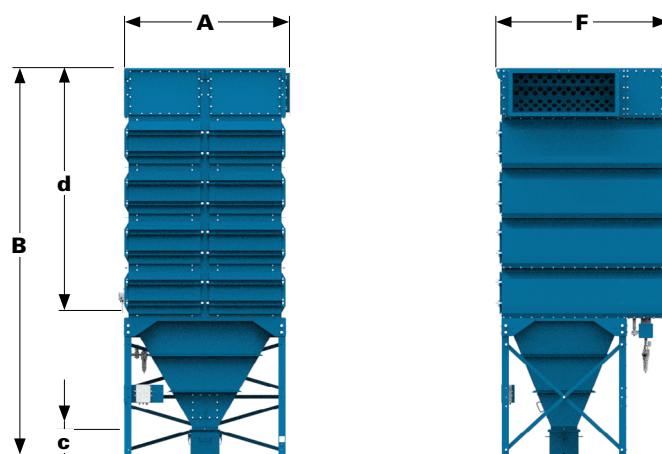
DIMENSIONS & SPECIFICATIONS - DLMC G2 - DOUBLE BANK - FRONT INLET



model 2/2/32 shown with quick release dustbin (front inlet)

Model	Number of tiers	Number of bags	Filtration area m ²	Number of valves	Inlet position	Dust disposal system	Dimensions (mm)				
							A	B	c	d	F
2/2/32	2	32	51.2	16	front	200 L drum	2228	4912	1500	2058	2385
						80 L drum	2228	4477	1065	2058	2385
						hook/on dustbin	2228	3812	400	2058	2385
						quick release	2228	3812	400	2058	2385
						rotary airlock/big bag	2228	5212	1800	2058	2385
2/3/48	3	48	76.8	16	front	200 L drum	2228	5598	1500	2744	2385
						80 L drum	2228	5163	1065	2744	2385
						hook/on dustbin	2228	4498	400	2744	2385
						quick release	2228	4498	400	2744	2385
						rotary airlock/big bag	2228	5898	1800	2744	2385
2/4/64	4	64	102.4	16	front	200 L drum	2228	6470	1500	3430	2385
						80 L drum	2228	6035	1065	3430	2385
						hook/on dustbin	2228	5370	400	3430	2385
						quick release	2228	5370	400	3430	2385
						rotary airlock/big bag	2228	6770	1800	3430	2385
2/5/80	5	80	128	16	front	200 L drum	2228	7156	1500	4116	2385
						80 L drum	2228	6721	1065	4116	2385
						hook/on dustbin	2228	6056	400	4116	2385
						quick release	2228	6056	400	4116	2385
						rotary airlock/big bag	2228	7456	1800	4116	2385

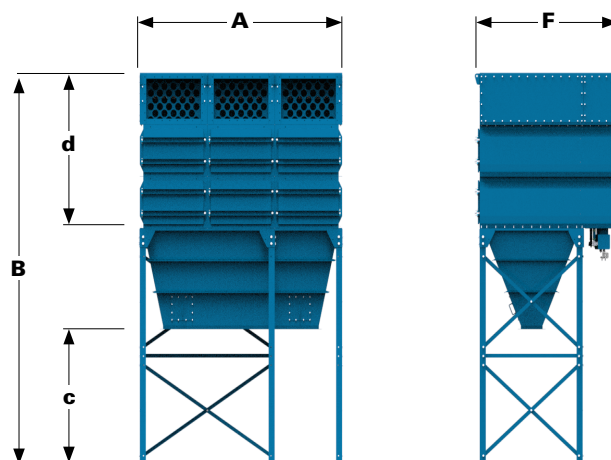
DIMENSIONS & SPECIFICATIONS - DLMC G2 - DOUBLE BANK - SIDE INLET



model 2/4/64 shown with quick release dustbin (side inlet)

Model	Number of tiers	Number of bags	Filtration area m ²	Number of valves	Inlet position	Dust disposal system	Dimensions (mm)				
							A	B	c	d	F
2/4/64	4	64	102.4	16	side	200 L drum	2284	6470	1500	3430	2385
						80 L drum	2284	6035	1065	3430	2385
						hook/on dustbin	2284	5370	400	3430	2385
						quick release	2284	5370	400	3430	2385
						rotary airlock/big bag	2284	6770	1800	3430	2385
2/5/80	5	80	128	16	side	200 L drum	2284	7156	1500	4116	2385
						80 L drum	2284	6721	1065	4116	2385
						hook/on dustbin	2284	6056	400	4116	2385
						quick release	2284	6056	400	4116	2385
						rotary airlock/big bag	2284	7456	1800	4116	2385

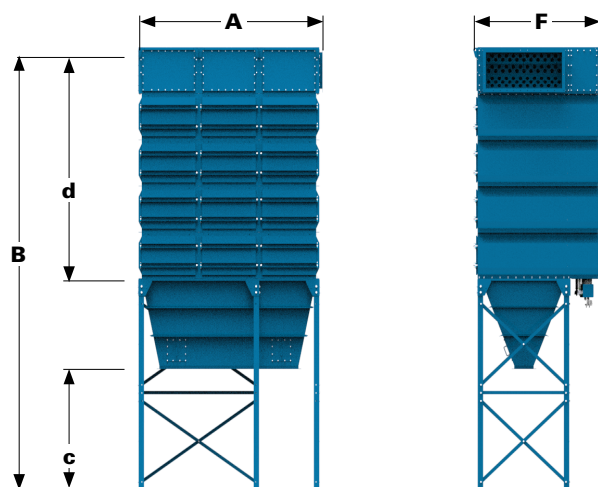
DIMENSIONS & SPECIFICATIONS - DLMC G2 - TRIPLE BANK - FRONT INLET



model 3/2/48 shown with quick release dustbin (front inlet)

Model	Number of tiers	Number of bags	Filtration area m ²	Number of valves	Inlet position	Hopper clearance (mm) / dimension c	Dimensions (mm)			
							A	B	d	F
3/2/48	2	48	76.8	24	front	1800	3339	5012	2058	2385
						1500	3339	4712	2058	2385
						1065	3339	4277	2058	2385
						400	3339	3612	2058	2385
3/3/72	3	72	115.2	24	front	1800	3339	5698	2744	2385
						1500	3339	5398	2744	2385
						1065	3339	4963	2744	2385
						400	3339	4298	2744	2385
3/4/96	4	96	153.6	24	front	1800	3339	6570	3430	2385
						1500	3339	6270	3430	2385
						1065	3339	5835	3430	2385
						400	3339	5170	3430	2385
3/5/120	5	120	192	24	front	1800	3339	7256	4116	2385
						1500	3339	6956	4116	2385
						1065	3339	6521	4116	2385
						400	3339	5856	4116	2385

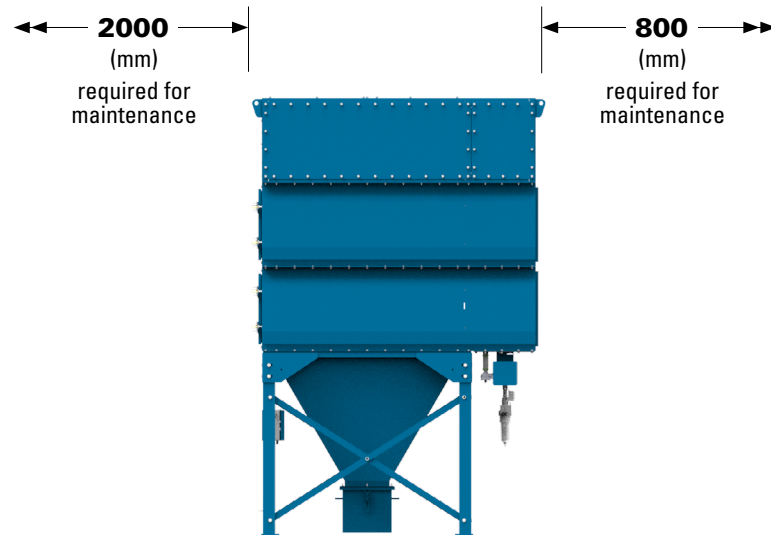
DIMENSIONS & SPECIFICATIONS - DLMC G2 - TRIPLE BANK - SIDE INLET



model 3/2/48 shown with quick release dustbin (front inlet)

Model	Number of tiers	Number of bags	Filtration area m ²	Number of valves	Inlet position	Hopper clearance (mm) / dimension c	Dimensions (mm)			
							A	B	d	F
3/4/96	4	96	153.6	24	side	1800	3399	6570	3430	2385
						1500	3399	6270	3430	2385
						1065	3399	5835	3430	2385
						400	3399	5170	3430	2385
3/5/120	5	120	192	24	side	1800	3399	7256	4116	2385
						1500	3399	6956	4116	2385
						1065	3399	6521	4116	2385
						400	3399	5856	4116	2385

COLLECTOR WEIGHTS



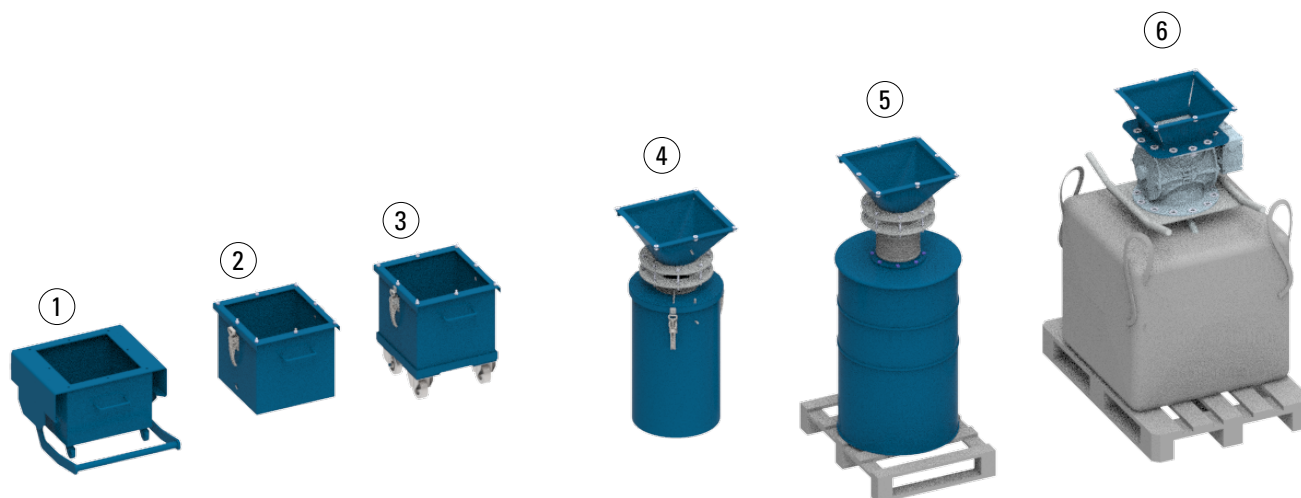
SIDE VIEW

Model	Type	Approx. shipping weight (kg)
Single bank	1/2/16	932
	1/3/24	1165
	1/4/32	1464
	1/5/40	1719
Double banks	2/2/32	1682
	2/3/48	2162
	2/4/64	2700
	2/5/80	3178
Triple banks	3/2/48	2525
	3/3/72	3221
	3/4/96	3927
	3/5/120	4622

Weights include filter bag and are for collectors prior to first use, i.e. with no dust collected.

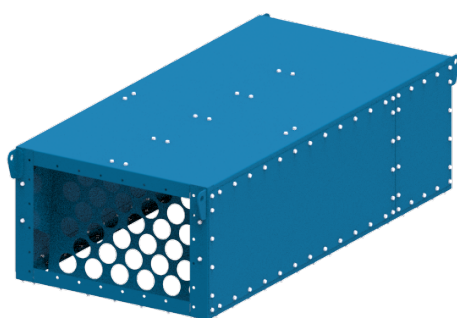
Excludes shipped loose items like legs and dust disposal system.

DUST DISPOSAL OPTIONS

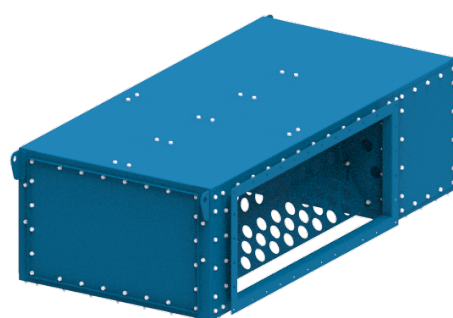


Dust disposal options	Hopper clearance (in mm)	Approx. weight (in kg)
① quick release dust bin	400	40
② hook-on dust bin	400	22
③ hook-on dust bin with castor wheels	400	22
④ 85 L drum	1065	15
⑤ 200 L drum	1500	40
⑥ Big-bag (excluding bag and rotary airlock)	1800	18

INLET OPTIONS

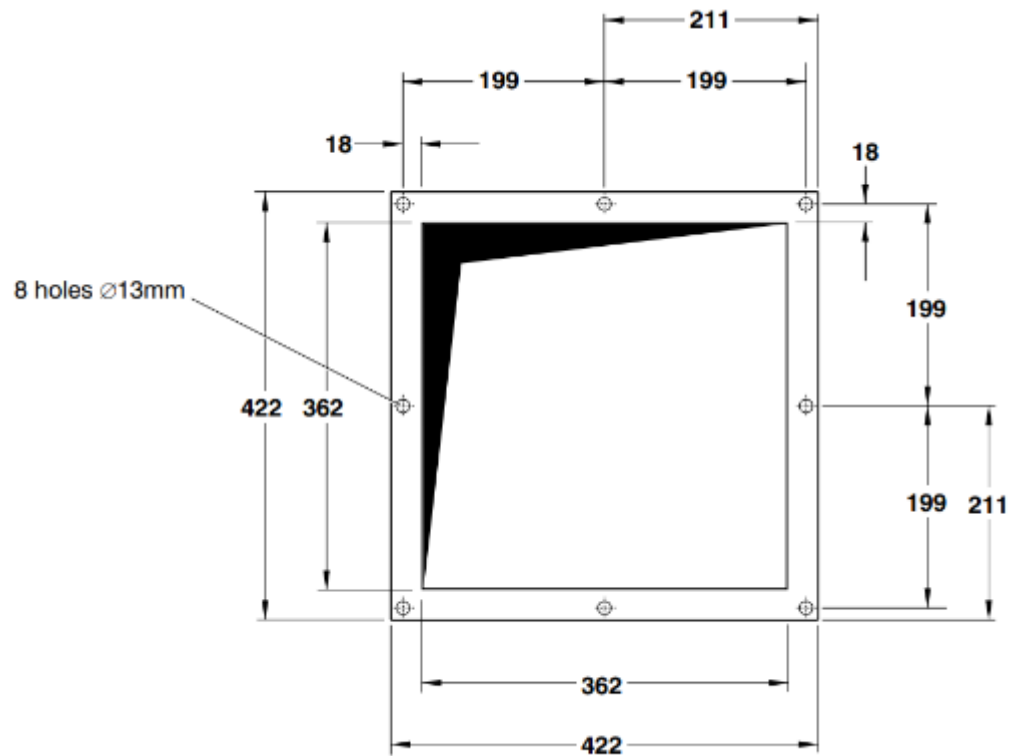


FRONT INLET

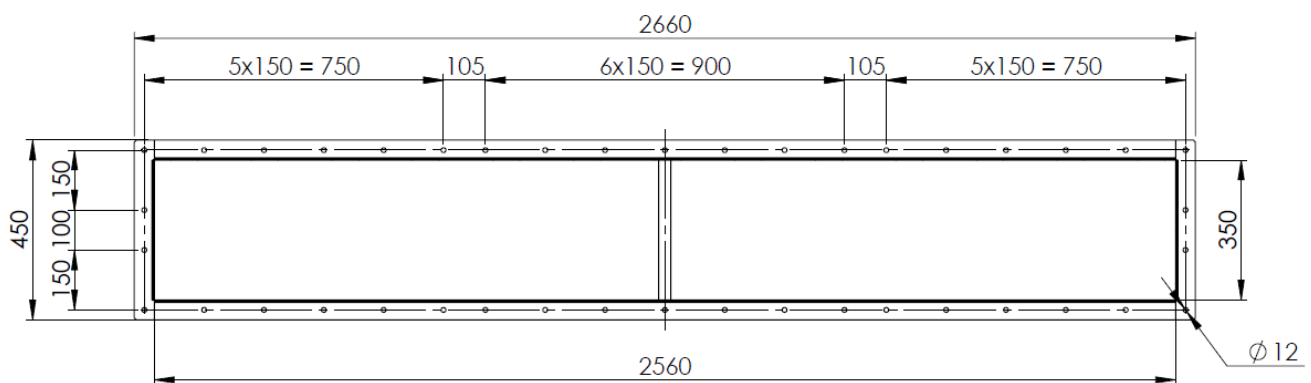


SIDE INLET

HOPPER OUTLET FLANGE DETAILS

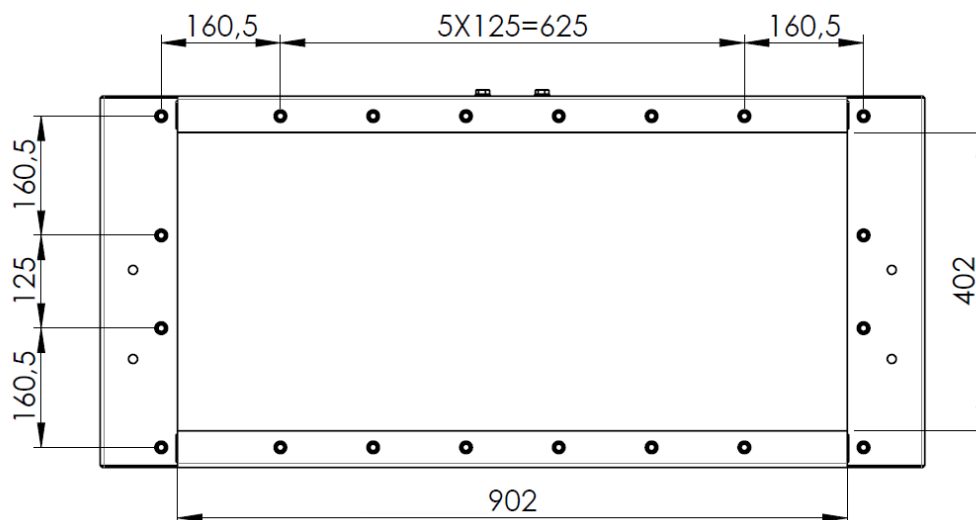


1 bank and 2 banks



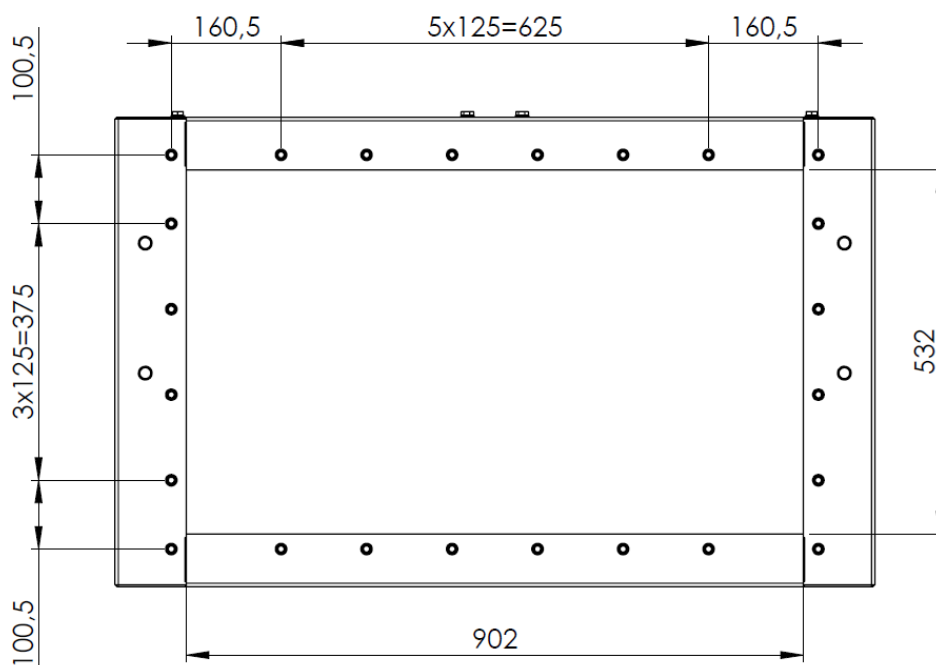
3 banks

INLET & OUTLET DETAILS



Rear contaminated air inlet and front cleaned air outlet for 2- and 3-tier collectors

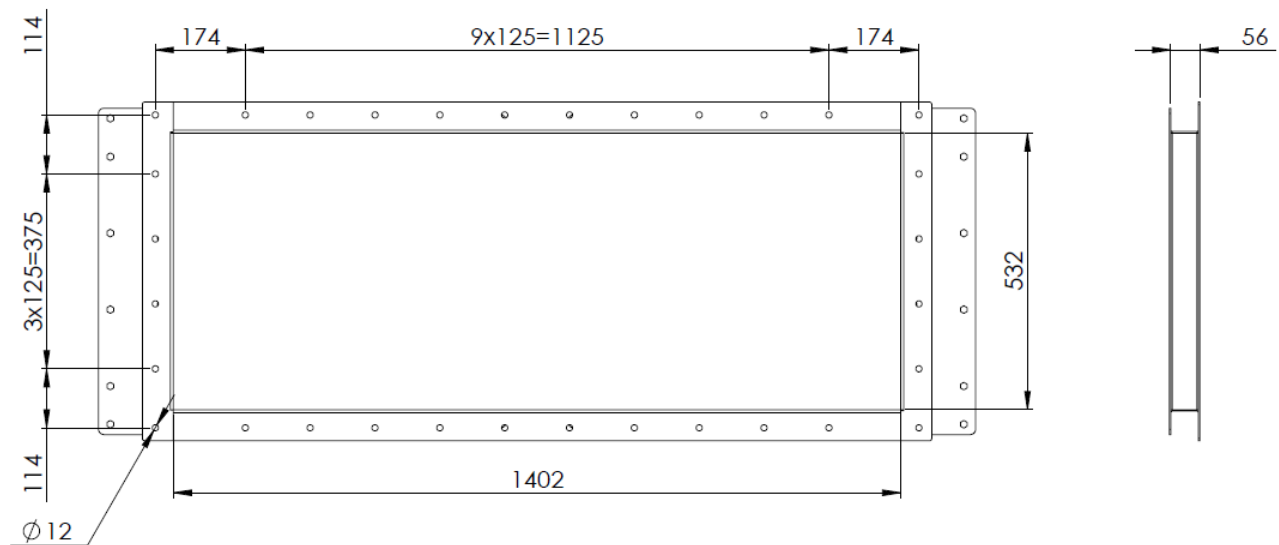
All bolt holes fitted with M10 rivnuts



Rear contaminated air inlet and front cleaned air outlet for 4- and 5-tier collectors

All bolt holes fitted with M10 rivnuts

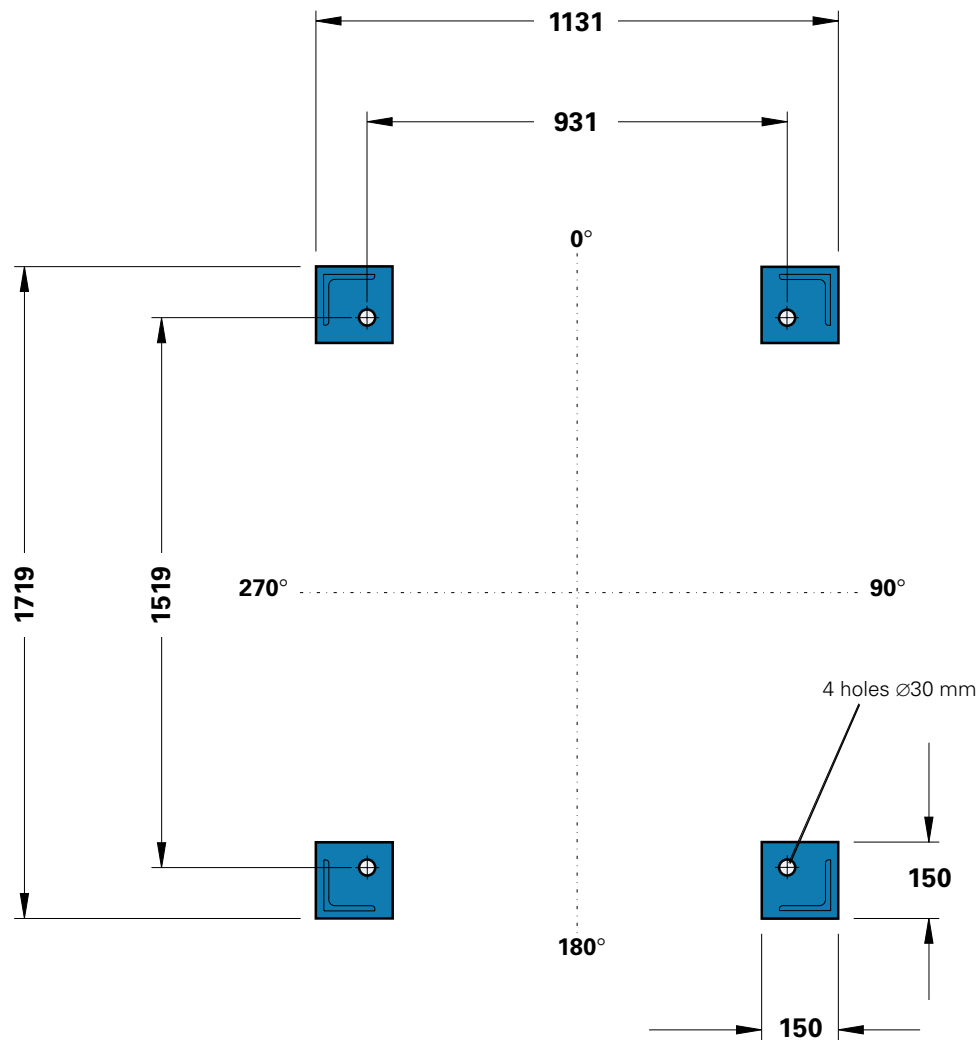
INLET & OUTLET DETAILS



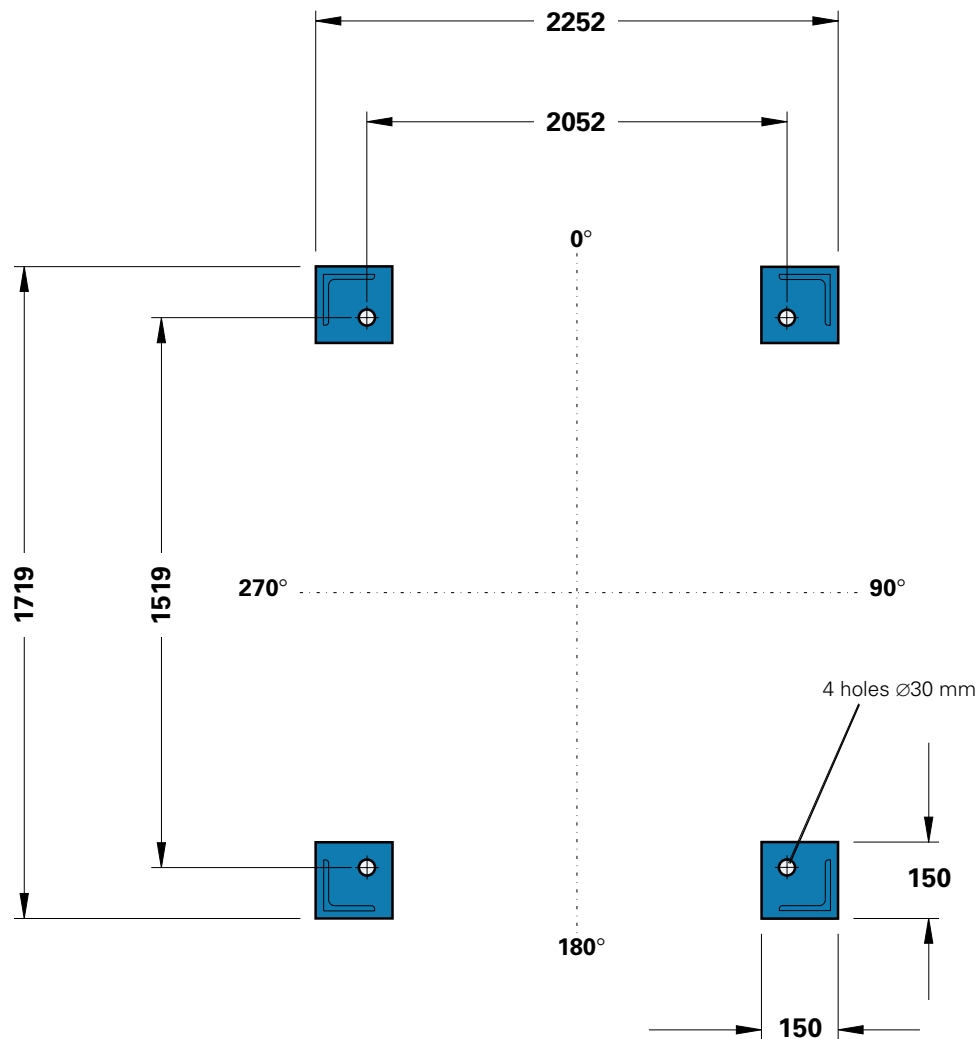
Optional side contaminated air inlet for 4- and 5-tier collectors

All bolt holes fitted with M10 rivnuts

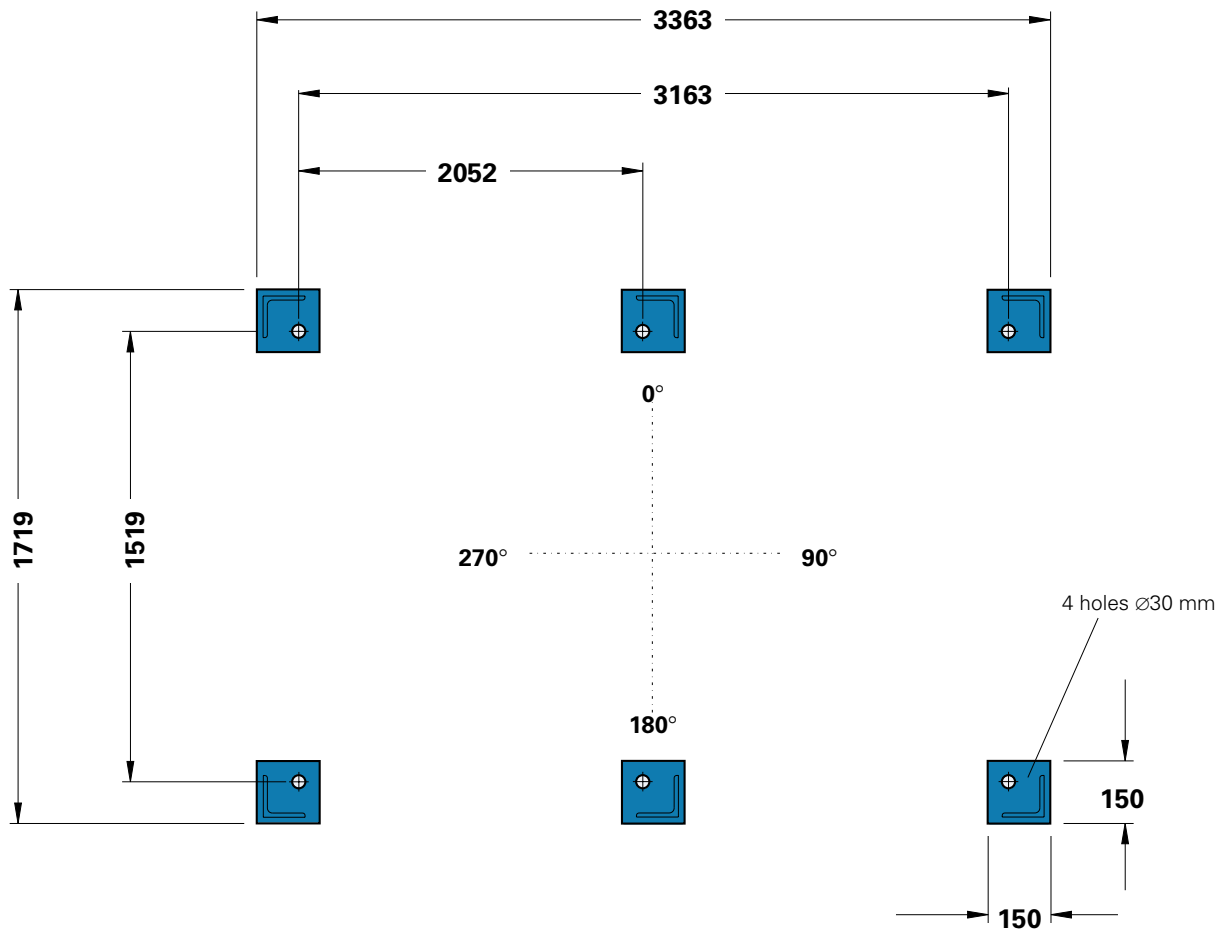
FOUNDATION DETAILS - DLMC G2 SINGLE BANK (IN MM)



FOUNDATION DETAILS - DLMC G2 DOUBLE BANK (IN MM)



FOUNDATION DETAILS - DLMC G2 TRIPLE BANK (IN MM)



ELECTRICAL REQUIREMENTS

Fully automatic cleaning mechanism: Autel ECO-GRAPHIC

Pulse interval time: 12 s

Control box protection class: IP65

Input voltage: 230 / 115 VAC - 24 VD

COMPRESSED AIR REQUIREMENTS

Model	Working compressed air pressure ^a		Atmospheric air volume - F.A.D. at 12 sec. intervals ^b		Pulse duration	Minimum pipe diameter
1-bank						
G2 1/2/16	3,4 bar	50 psig	8.5 m³/h	5.0 cfm	100 ms	½" NB (12)
G2 1/3/24	3,8 bar	55 psig	11.4 m³/h	6.7 cfm	100 ms	½" NB (12)
G2 1/4/32	5,2 bar	75 psig	15.0 m³/h	8.8 cfm	100 ms	¾" NB (20)
G2 1/5/40	5,2 bar	75 psig	15.0 m³/h	8.8 cfm	100 ms	¾" NB (20)
2-bank						
G2 2/2/32	3,4 bar	50 psig	17.0 m³/h	10.0 cfm	100 ms	¾" NB (20)
G2 2/3/48	3,8 bar	55 psig	22.8 m³/h	13.4 cfm	100 ms	¾" NB (20)
G2 2/4/64	5,2 bar	75 psig	30.0 m³/h	17.6 cfm	100 ms	1 " NB (25)
G2 2/5/80	5,2 bar	75 psig	30.0 m³/h	17.6 cfm	100 ms	1 " NB (25)
3-bank						
G2 3/2/48	3,4 bar	50 psig	25.5 m³/h	15.0 cfm	100 ms	¾" NB (20)
G2 3/3/72	3,8 bar	55 psig	34.2 m³/h	20.1 cfm	100 ms	1 " NB (25)
G2 3/4/96	5,2 bar	75 psig	45.0 m³/h	26.4 cfm	100 ms	1 " NB (25)
G2 3/5/120	5,2 bar	75 psig	45.0 m³/h	26.4 cfm	100 ms	1 " NB (25)

^a Normal operating pressure. ^b Recommended initial settings; these may be varied with experience.

^c Sizes suitable for runs of pipe up to 30 m (100ft) in length; for longer runs consult with Donaldson.

1 bar = 10⁵ Pa

STANDARD FEATURES & AVAILABLE OPTIONS

Unit options	Optional
Execution for outside installation	•
Variable hopper clearance	•
Full range of dust disposal systems	•
Earthing	•
Vibrator	•
Sprinkler	•
Bin balance pipe kit	•
Oil/water separator	•
Full range of fan sets and ducting	•
Insulation	•
DFS Feeder for the absorption of oily substances	•
Platform	•
Inline Cyclone	•
iCue	•

Filter bag options	Standard	Optional
Duralife	•	
Duralife Oleophobic		•
Duralife AntiStatic		•
Duralife Oleophobic AntiStatic		•
Tetratex		•
Tetratex AntiStatic		•
Tetratex AntiStatic Contact		•
Tetratex Contact		•

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