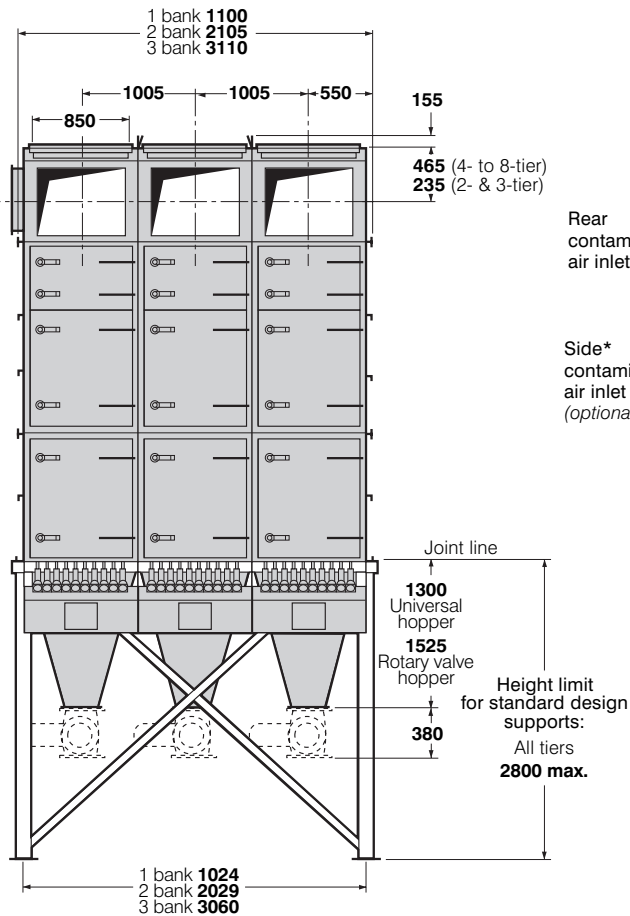
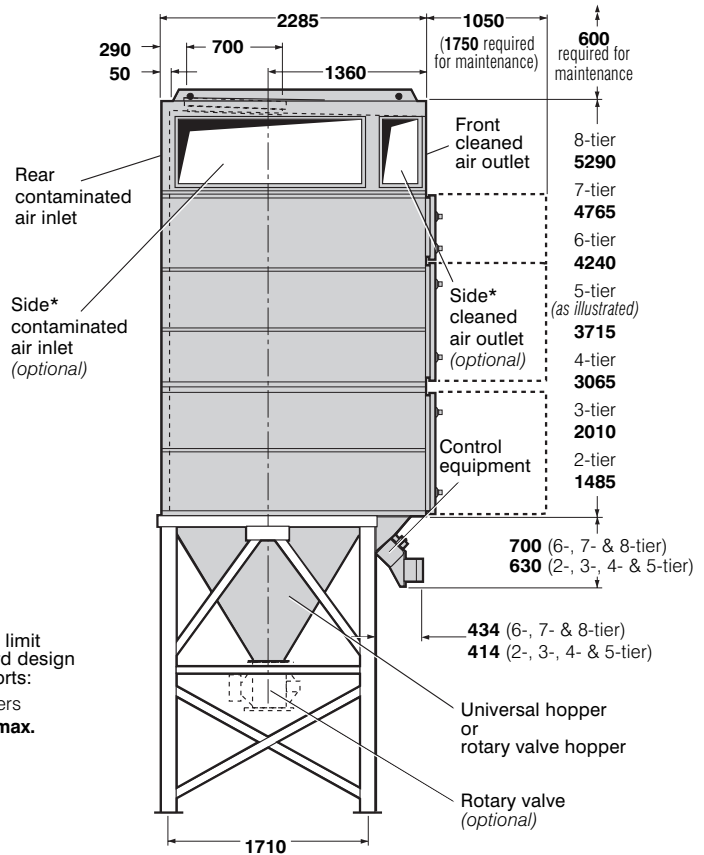


Dalamatic Cased Dust Filters Series DLM 15



FRONT ELEVATION



SIDE ELEVATION

Dalamatic 3-bank, 5-tier filter (DLM 3/5/15) with universal or rotary valve hoppers

*4- to 8-tier filters, 2- & 3-bank either end and 4- to 6-bank both ends

Large filters are assembled on site from suitable combinations of the above sizes

DALAMATIC CASED DUST FILTERS – SERIES DLM 15

SPECIFICATIONS

Designation	No. of banks	No. of tiers	No. of cells	Fabric area m ²	Air volume – F.A.D.* at 12 sec. intervals	
	(a)	(b)	(a x b)		m ³ /h	cfm
DLM 1/2/15†	1	2	2	30	8.7	5.1
DLM 1/3/15†	1	3	3	45	11.2	6.6
DLM 1/4/15	1	4	4	60	16.1	9.5
DLM 1/5/15	1	5	5	75	16.1	9.5
DLM 1/6/15	1	6	6	90	26.3	15.5
DLM 1/7/15	1	7	7	105	28.9	17.0
DLM 1/8/15	1	8	8	120	28.9	17.0
DLM 2/2/15†	2	2	4	60	17.3	10.2
DLM 2/3/15†	2	3	6	90	22.4	13.2
DLM 2/4/15	2	4	8	120	32.3	19.0
DLM 2/5/15	2	5	10	150	32.3	19.0
DLM 2/6/15	2	6	12	180	52.6	31.0
DLM 2/7/15	2	7	14	210	57.7	34.0
DLM 2/8/15	2	8	16	240	57.7	34.0
DLM 3/2/15†	3	2	6	90	26.0	15.3
DLM 3/3/15†	3	3	9	135	33.6	19.8
DLM 3/4/15	3	4	12	180	48.4	28.5
DLM 3/5/15	3	5	15	225	48.4	28.5
DLM 3/6/15	3	6	18	270	78.9	46.5
DLM 3/7/15	3	7	21	315	86.6	51.0
DLM 3/8/15	3	8	24	360	86.6	51.0

Large filters are assembled on site from suitable combinations of the above sizes

There is no limit to the number of banks which may be joined together – e.g. **DLM 10/8/15** (80 cells, 1200m² fabric area)

*Pulse duration: 110 millisecond. Recommended atmospheric air volume of clean, dry compressed air at the following maximum pressures:

● All 2-tier filters: 3.8 bar (55 psig) ● All 3-tier filters: 4.5 bar (65 psig) ● All 4-, 5-, 6-, 7- & 8-tier filters: 6.2 bar (90 psig)

†Supplied pre-assembled. All other filters are supplied in two or more sections.

APPROXIMATE NET WEIGHTS in kg (Filter and control equipment only)

	1-bank	2-bank	3-bank	4-bank	5-bank	6-bank	7-bank	8-bank	9-bank	10-bank
2-tier	650	1220	1790	2410	2980	3550	4170	4740	5310	5930
3-tier	845	1570	2295	3095	3820	4545	5345	6070	6795	7595
4-tier	1100	2020	2940	3985	4905	5825	6870	7790	8710	9755
5-tier	1330	2455	3580	4845	5970	7095	8360	9485	10610	11875
6-tier	1555	2850	4145	5620	6915	8210	9685	10980	12275	13750
7-tier	1750	3195	4640	6295	7740	9185	10840	12285	13730	15385
8-tier	1945	3540	5135	6970	8565	10160	11995	13590	15185	17020

For larger sizes please refer to Torit DCE

DESIGN LIMITS (standard equipment)

Temperature range (alternatives according to type of sealer used): **(1)** –10° to +60°C; **(2)** –10° to +200°C.

Pressure limits: **(a)** –500mm WG; **(b)** – 1140mm WG. (NOTE: For positive pressures please refer to Torit DCE).

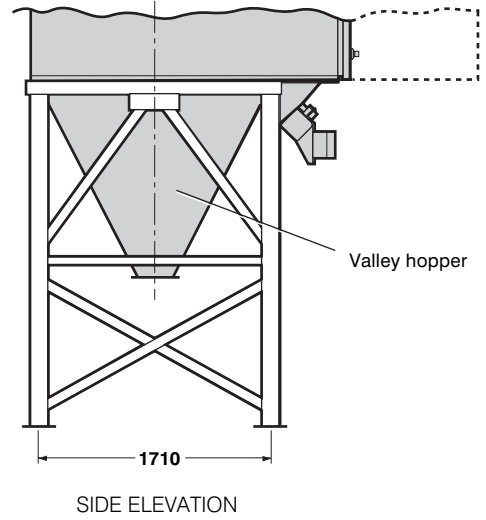
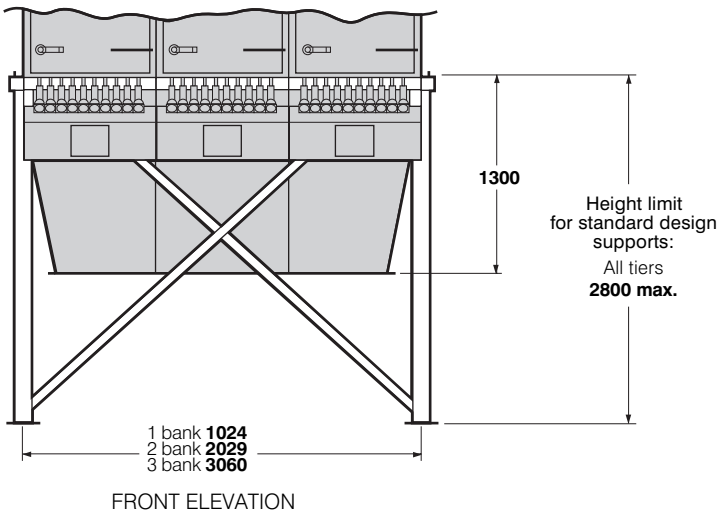
Dimension tolerances: ± 5mm on main dimensions. ± 2mm on detail dimensions.

ELECTRICAL REQUIREMENTS

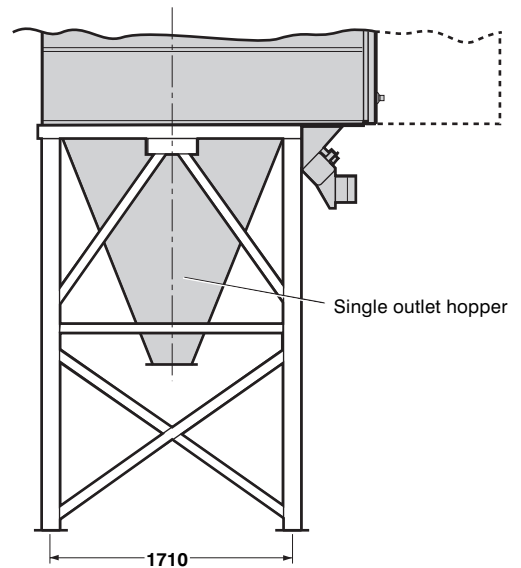
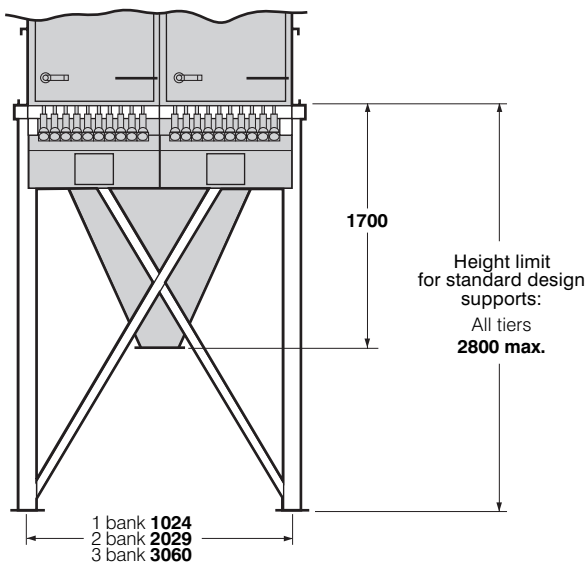
Controller: RJC 10-way

Voltage input: AC version: 105-120V, 200-240V ± 10% DC version: 24V

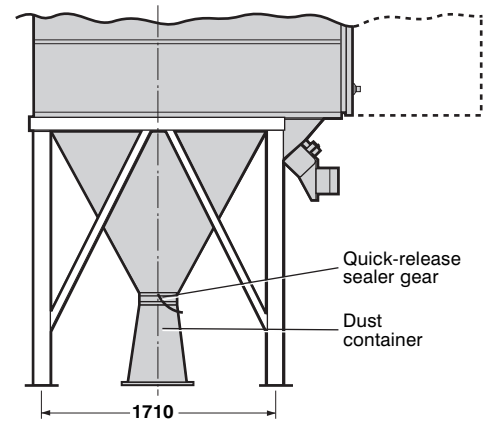
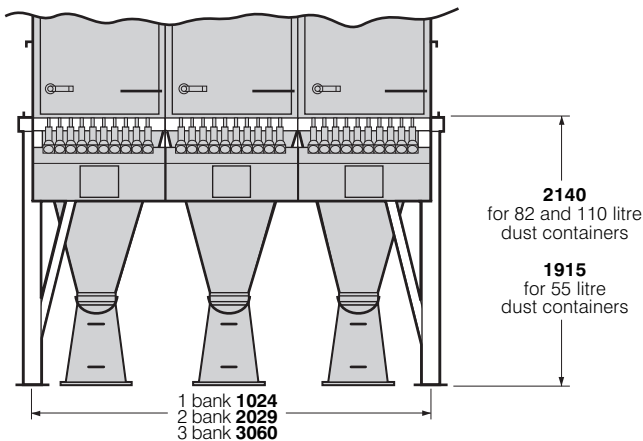
DALAMATIC CASED DUST FILTERS – SERIES DLM 15



Multi-bank filter with valley hopper for attachment to screw conveyor

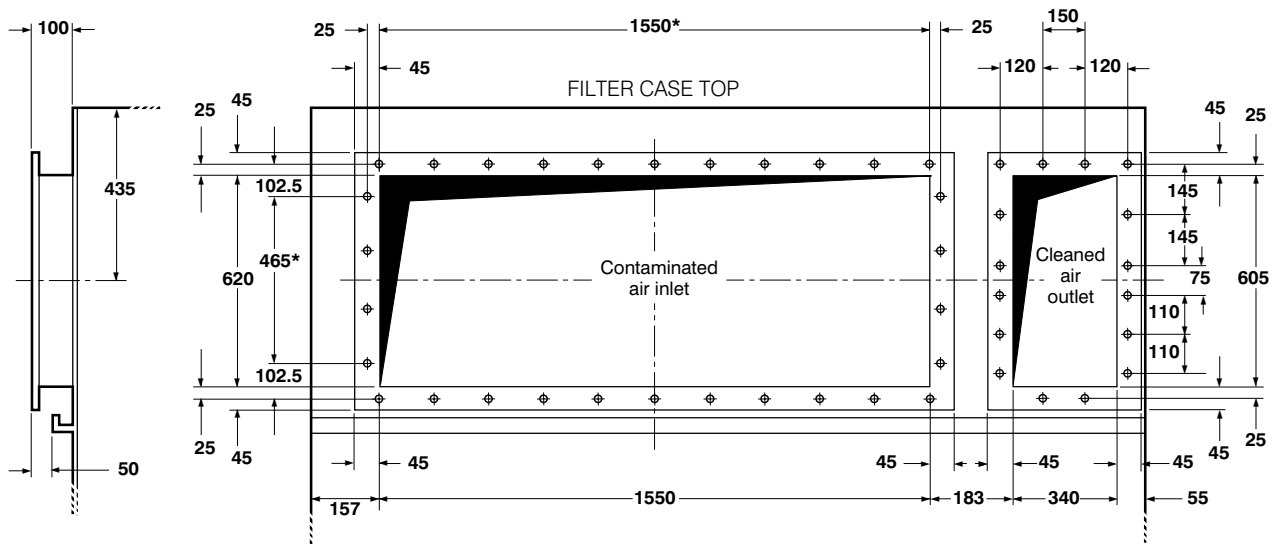


Dalamatic 2-bank filter with single outlet hopper



Multi-bank filter with dust containers

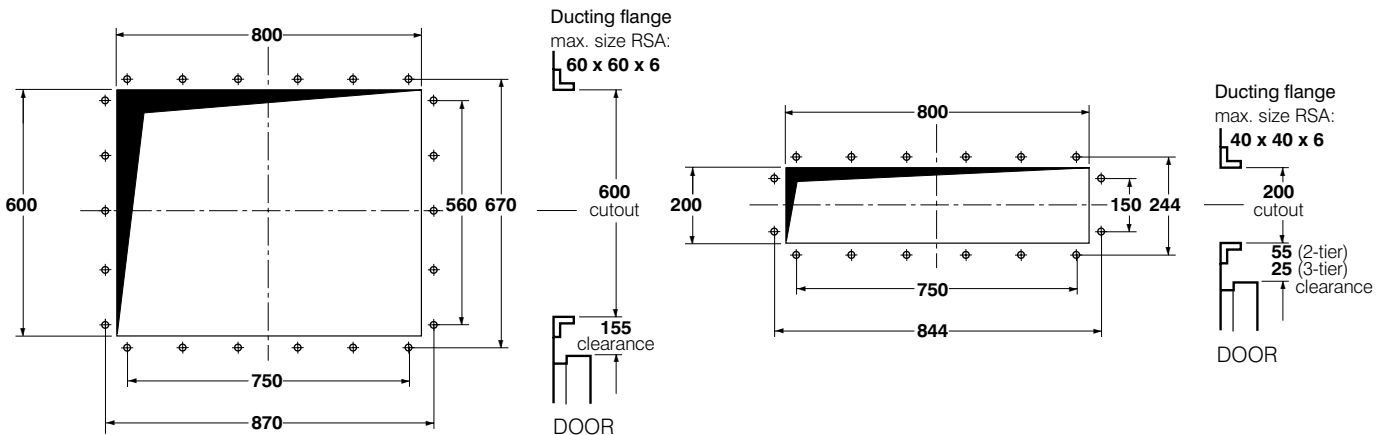
DALAMATIC CASED DUST FILTERS – SERIES DLM 15



Optional side contaminated air inlet and cleaned air outlet for 4- to 8-tier filters, 2- & 3-bank either end and 4- to 6-bank both ends

All bolt holes $\varnothing 12$ mm for M10 bolts. *Pitch centres: 155mm.

NOTE: Consult with Torit DCE for suitability



Rear contaminated air inlet and front cleaned air outlet for 4- to 8-tier filters

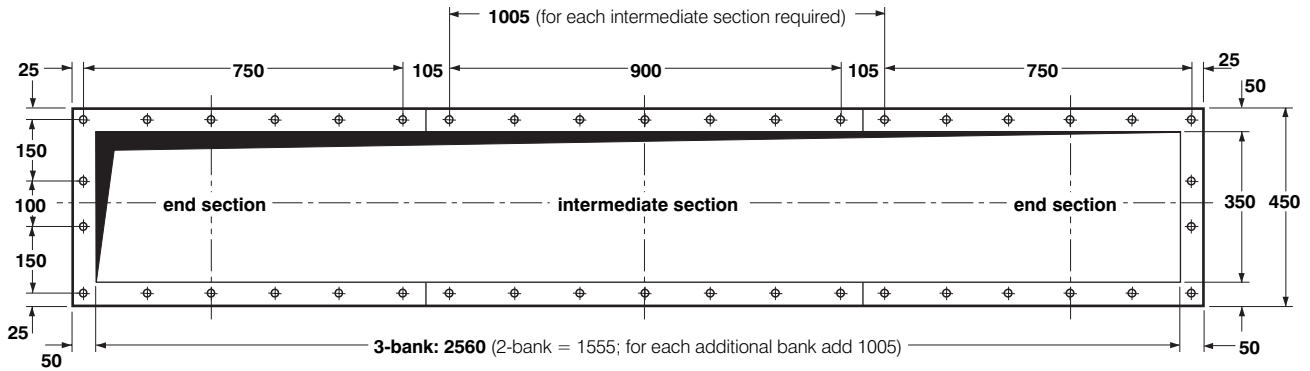
All bolt holes $\varnothing 12$ mm for M10 bolts.
Pitch centres: 150mm horizontally; 140mm vertically.

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

All bolt holes $\varnothing 12$ mm for M10 bolts.
Pitch centres: 150mm.

Contaminated air inlet and cleaned air outlet connection details

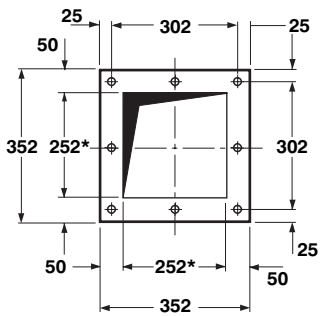
DALAMATIC CASED DUST FILTERS – SERIES DLM 15



Valley hopper flange for multi-bank filters

(3-bank illustrated. Larger assemblies incorporate additional intermediate sections)

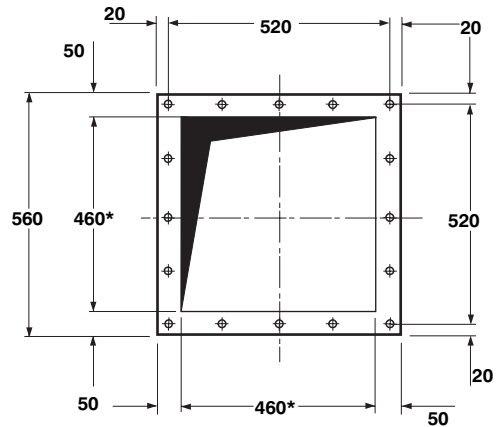
All holes 12 x 20mm slots, parallel to long edge. Hole centres at 150mm pitch except where shown



Rotary valve hopper flange

All bolt holes 14mm dia. for M12 bolts. Pitch centres: 151mm

*Inside dims. of hopper outlet = 242 x 242mm

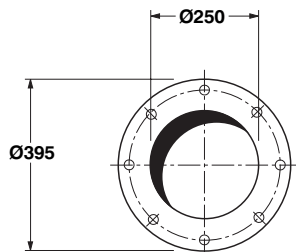


Universal, and single outlet, hopper flange

All bolt holes 12mm dia. for M10 bolts. Pitch centres: 130mm

*Inside dims. of hopper outlet = 450 x 450mm

Hopper outlet flange details

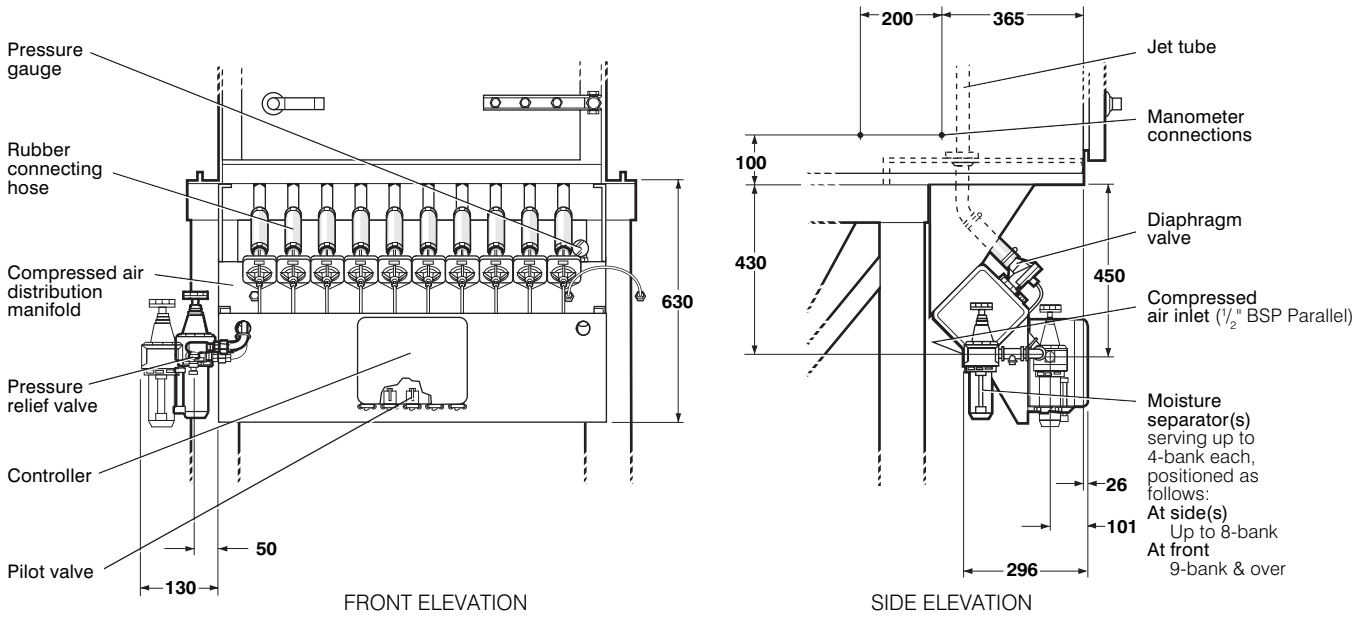


Rotary valve flange (for rotary valve supplied by Torit DCE)

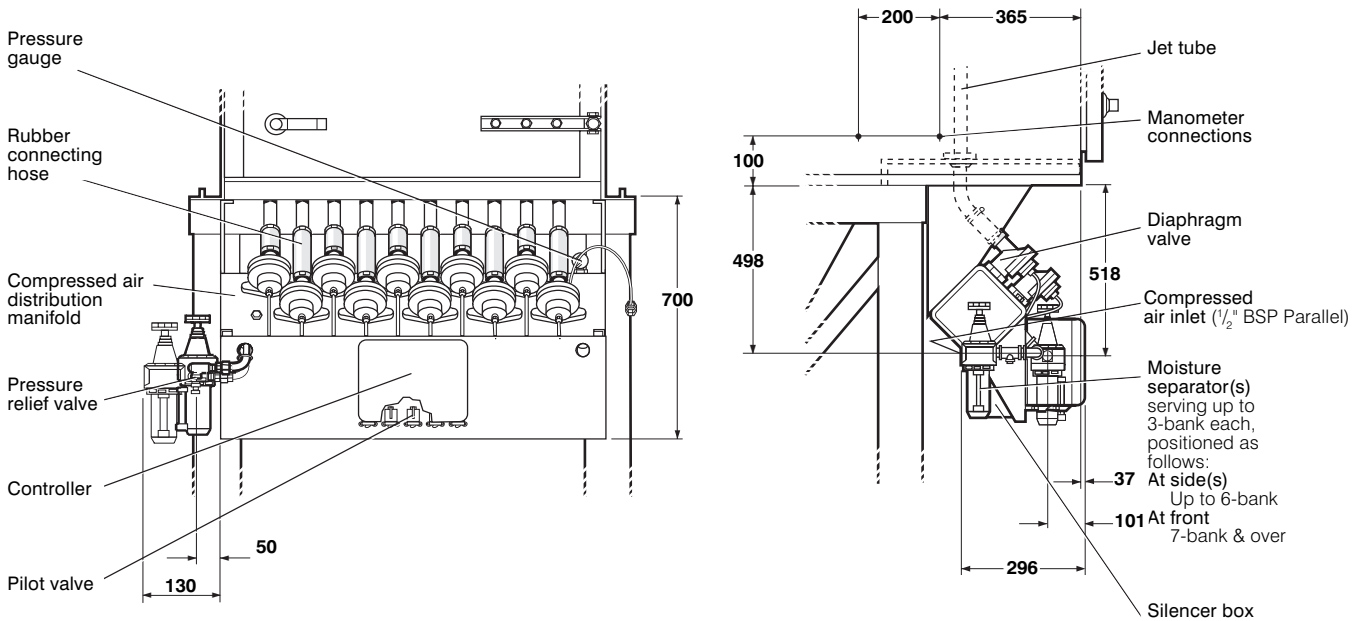
All holes Ø14mm for M12 bolts equally spaced on 350mm p.c.d.

Rotary valve outlet flange details

DALAMATIC CASED DUST FILTERS – SERIES DLM 15

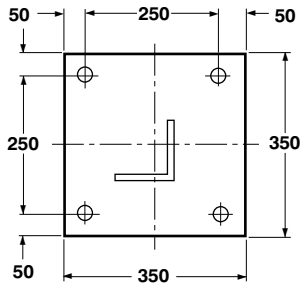


Control equipment for 2-, 3-, 4- & 5-tier filters

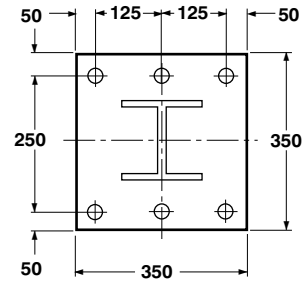


Control equipment for 6-, 7- & 8-tier filters

DALAMATIC CASED DUST FILTERS – SERIES DLM 15



a for corner legs
1- to 10-bank

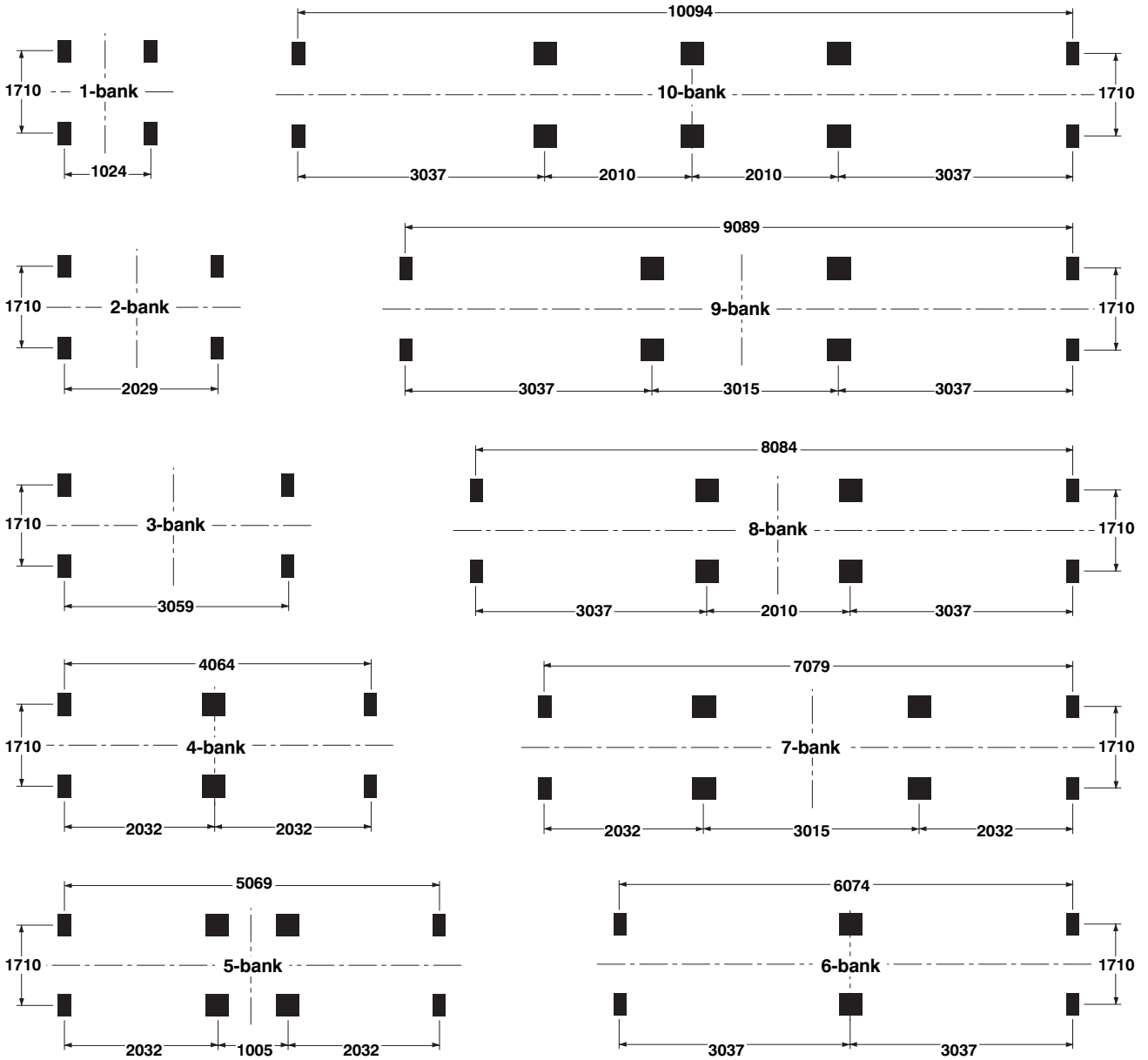


b for inner legs
4- to 10-bank

Support feet—standard design

All bolt holes 28 mm dia. for 25 mm bolts

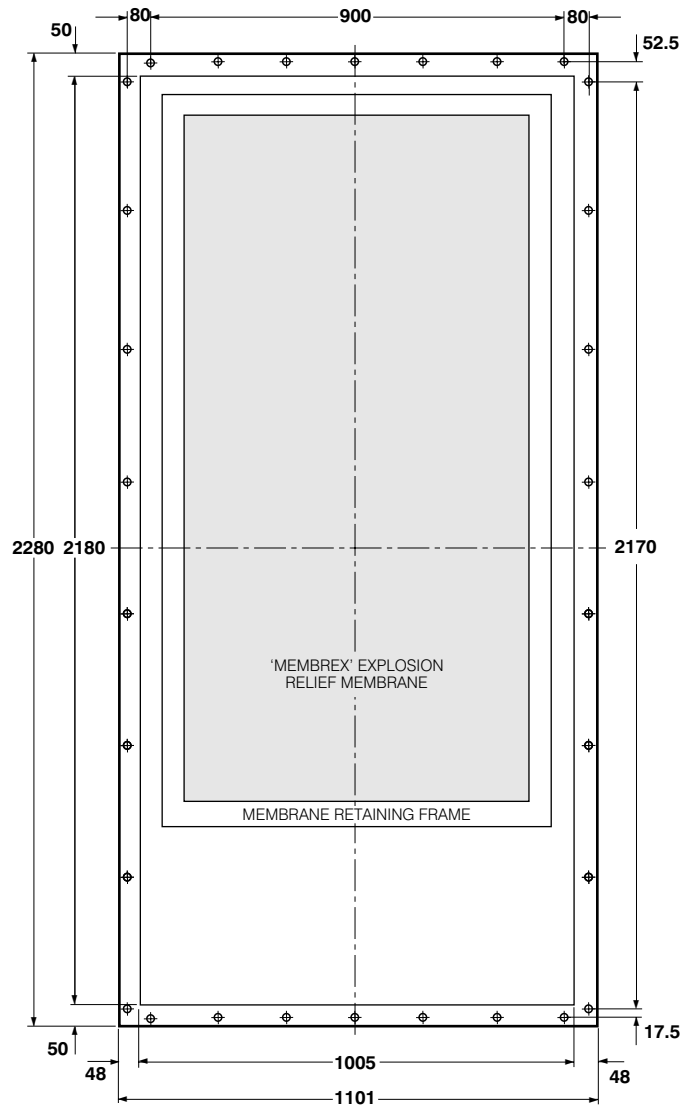
No deviation from these designs should be made without prior consultation with Torit DCE



Dimensions between feet centres

Foundation details

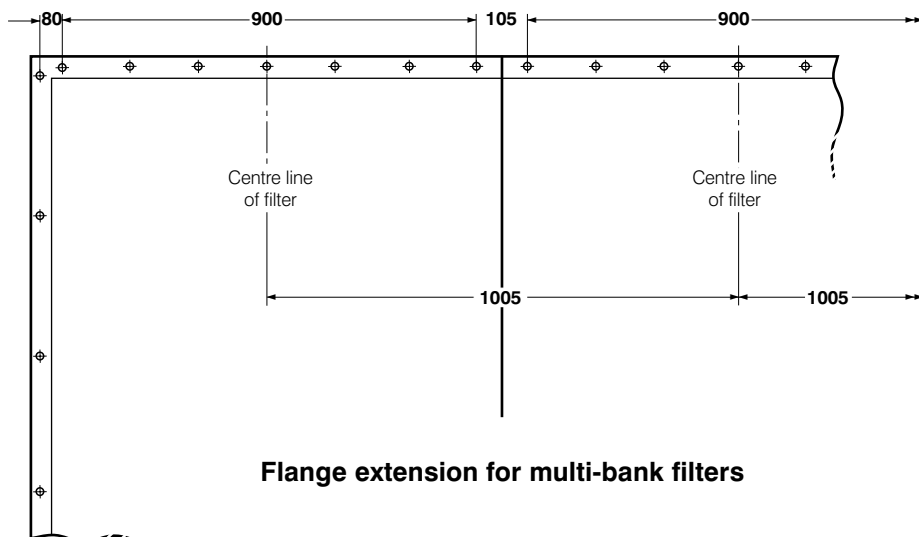
DALAMATIC CASED DUST FILTERS – SERIES DLM 15



Top explosion relief flange

All holes 12 x 20 slots for M10 bolts. Pitch centres: 150mm horizontally, 310mm vertically.
Mounting flange is flush with top of filter.

NOTE: The membrane retaining frame projects 80mm beyond top of unit.

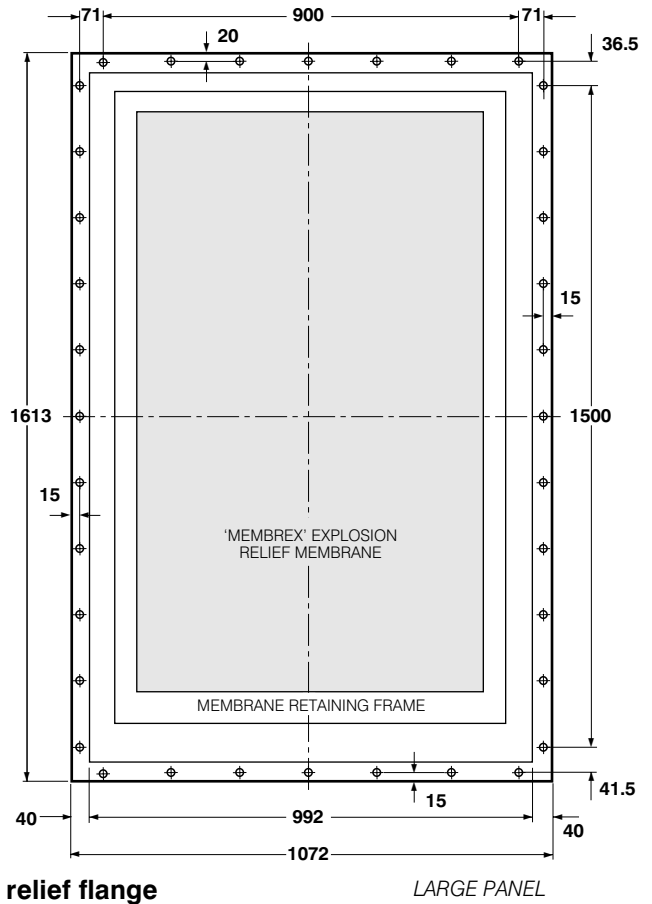
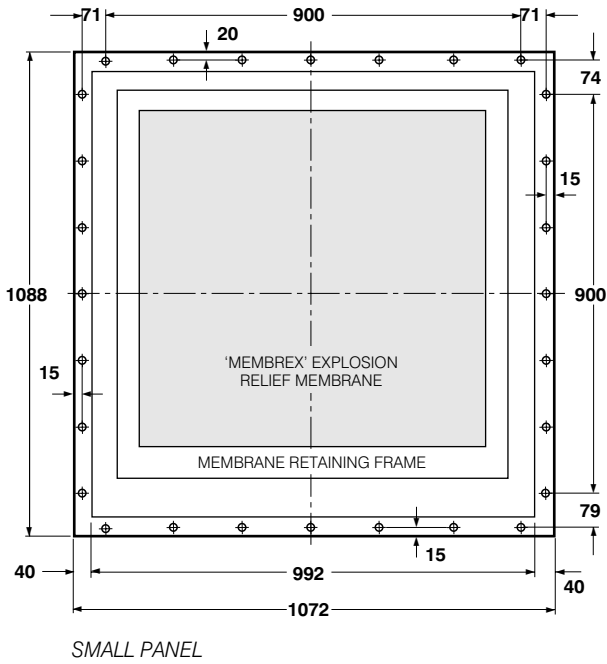


Flange extension for multi-bank filters

Explosion relief flange mounting details

Weather protection is available for those units fitted with top explosion relief

DALAMATIC CASED DUST FILTERS – SERIES DLM 15

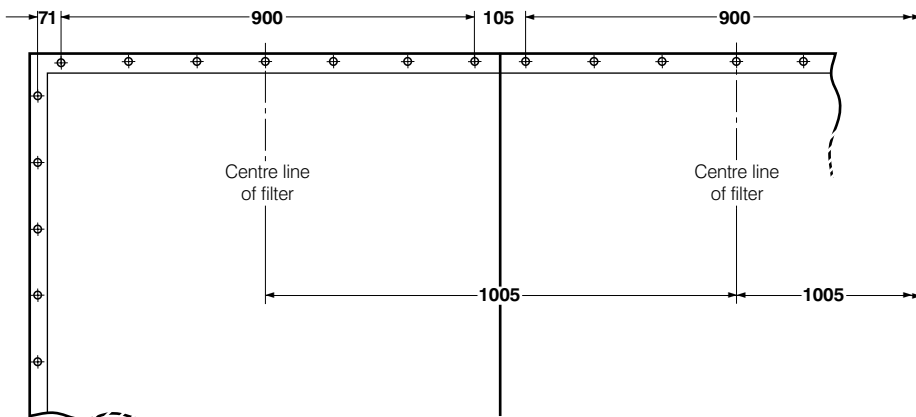


Rear explosion relief flange

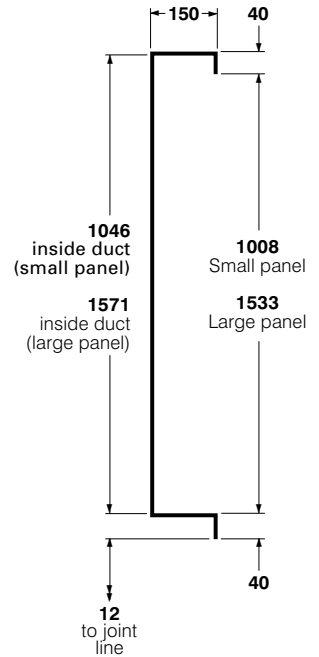
Bottom & vertical bolt holes 10 mm dia. Top bolt holes 10 x 20 mm slots

All for M8 set screws with pitch centres at 150 mm

NOTE: Mounting flange projects 100 mm beyond rear of filter

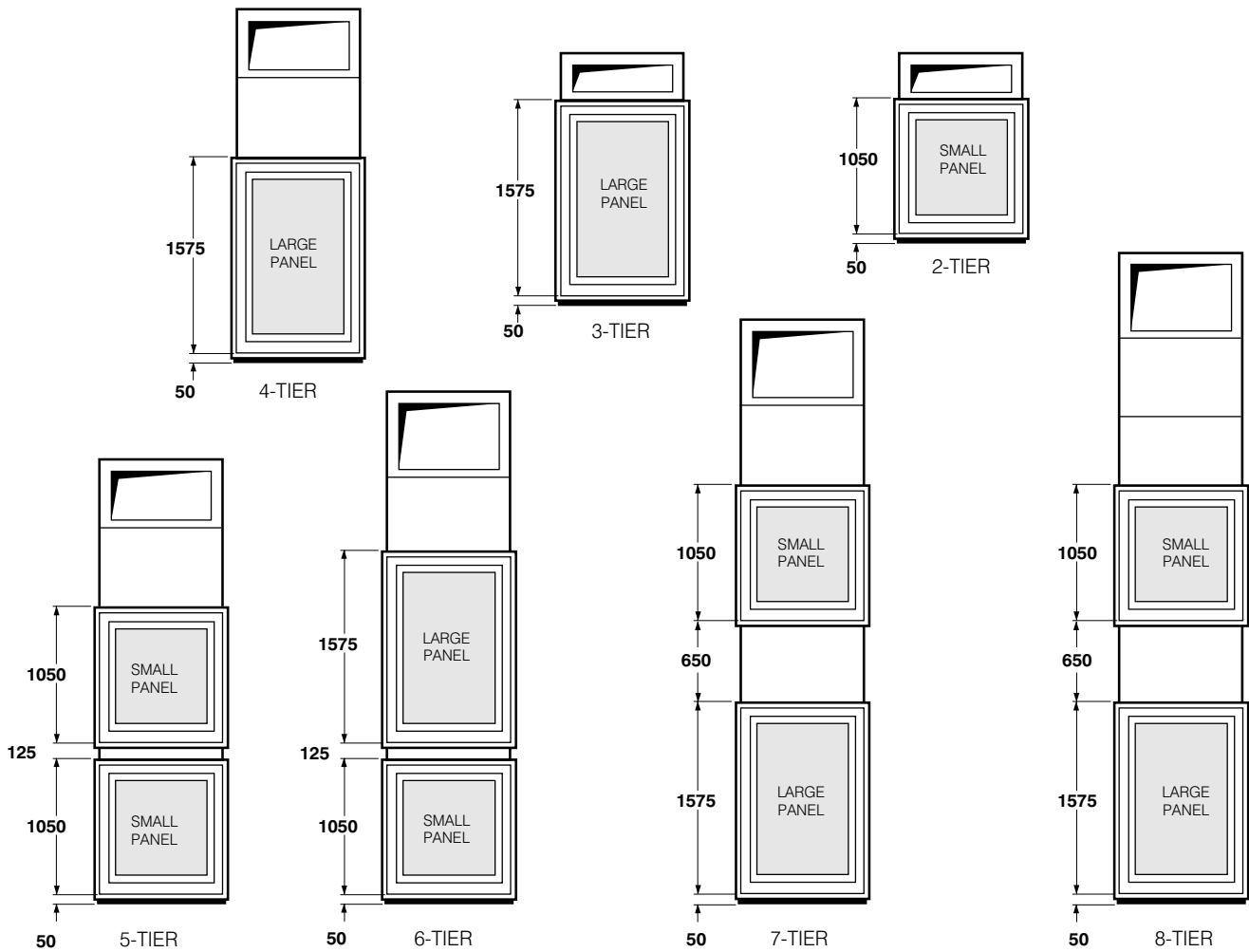


Flange extension for multi-bank filters



Flange section

Explosion relief flange mounting details



Rear explosion relief location
(1-bank filters illustrated)

Explosion relief flange mounting details



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Publication 372N (GB) • 0602