

Aluminium Door Relief Grille Technical Data



General

Ventilator Type	Passive Grille
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Material

Component	Material
Vent	Anodised Aluminium
Spring Clip	Steel

Applicable Product Codes

Size	Product Code	Description
300x150mm	DRG3015	300x150mm Door Grille
600x150mm	DRG6015	600x150mm Door Grille
600x200mm	DRG6020	600x200mm Door Grille
600x300mm	DRG6030	600x300mm Door Grille
600x450mm	DRG6045	600x450mm Door Grille



Dimensions

Product Code	Face Size	Weight	Total Depth (Packed)
DRG3015	335x185mm	390g	39mm
DRG6015	635x185mm	1005g	39mm
DRG6020	635x235mm	1025g	39mm
DRG6030	635x335mm	1065g	39mm
DRG6045	635x485mm	2250g	39mm

Cut out size

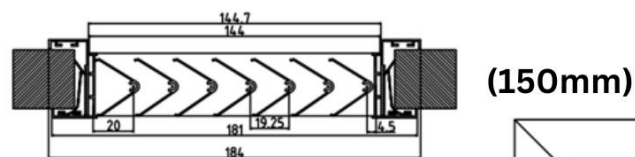
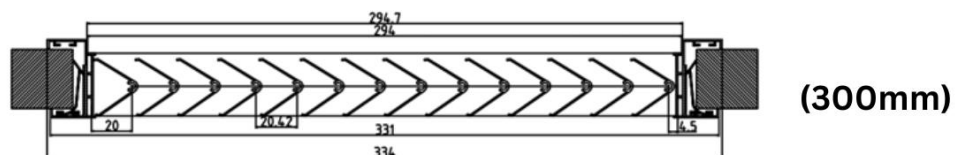
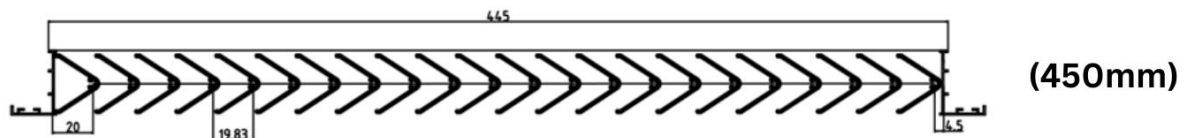
The size of the cut-out recommended is the size of the neck diameter (as per above table). Do not make the hole more than 5mm in diameter greater than the neck diameter. Tighter fit prevents rattling.

Door Thickness

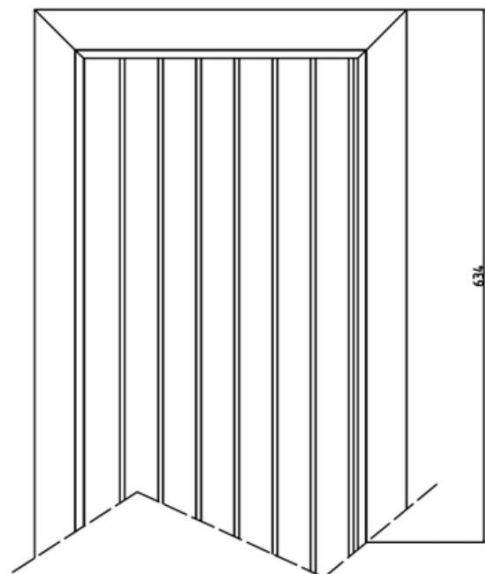
Grilles fit doors from 30mm to 50mm in thickness.



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SIZE	HOLE SPACING	BLADES
150	19	7
200	19	9
300	20.4	14
450	20	22



Performance Data

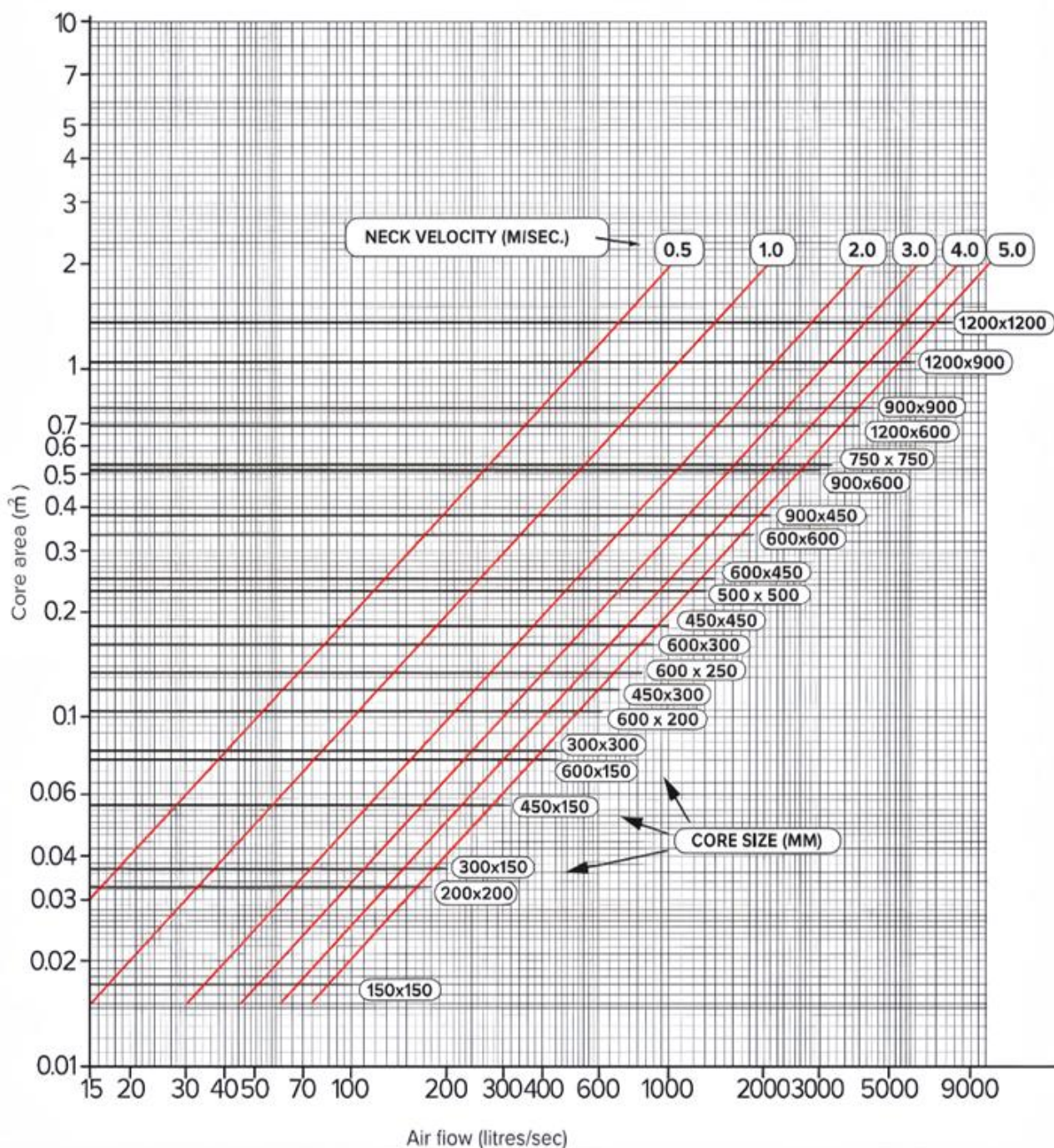
Static pressure (PA) at various air quantities G neck areas

Typical Neck Sizes:	300x150	450x150	600x150	600x200	450x300	600x250	600x300	450x450	600x450	600x600
Neck Area M ² :	0.045	0.068	0.090	0.120	0.135	0.150	0.180	0.203	0.270	0.360
L/s 30										
L/s 50	13									
L/s 75	35	15	9							
L/s 100	90	40	22	12	8	6				
L/s 150		62	35	18	14	12	8	5		
L/s 200			82	40	30	25	17	13	8	
L/s 250				75	55	45	30	24	13	8
L/s 300					85	70	45	37	20	12
L/s 400						100	68	52	28	17
L/s 500								90	50	30
L/s 600									88	45

Various neck velocities given airflow V neck area

Typical Sizes	300x150	450x150	600x150	600x200	450x300	600x250	600x300	450x450	600x450	600x600
Neck Area M ² L/S	0.045	0.068	0.090	0.120	0.135	0.150	0.180	0.203	0.270	0.360
30	0.75	0.50								
50	1.50		0.60	0.50						
75	2.25	1.50	1.00		0.60	0.50				
100	2.75	2.00	1.50	1.00			0.60	0.50		
150	4.00	2.75	2.00	1.50	1.25	1.10	0.90			
200	5.50	3.75	2.75	2.00	1.75	1.50	1.25	1.10	0.50	
250		4.50	3.00	2.75	2.00	1.75	1.50	1.40	1.00	0.75
300		5.50	4.00	3.50	2.50	2.25	1.90	1.75	1.25	
400			5.00	4.00	3.50	3.00	2.50	2.25	1.75	1.25
500				5.00	4.00	3.75	3.00	2.75	2.00	1.50
600					5.00	4.75	3.75	3.25	2.50	1.75
750							5.00	4.50	3.00	2.50
1000									4.00	3.00
1500										4.50

Static pressure vs. airflow for various core sizes.



Conditions of Storage, Maintenance and Use

Keep stored in a dry area.

Do not attempt repair or maintenance without contacting Partner Pacific

Limitations of Use

Do not use for exhausting hazardous or explosive materials

Warranty

This product has a 5-year manufacturer's replacement warranty against manufacturing faults and defects.