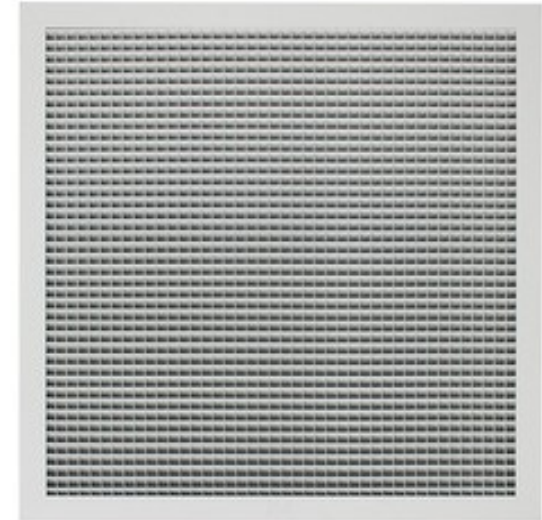
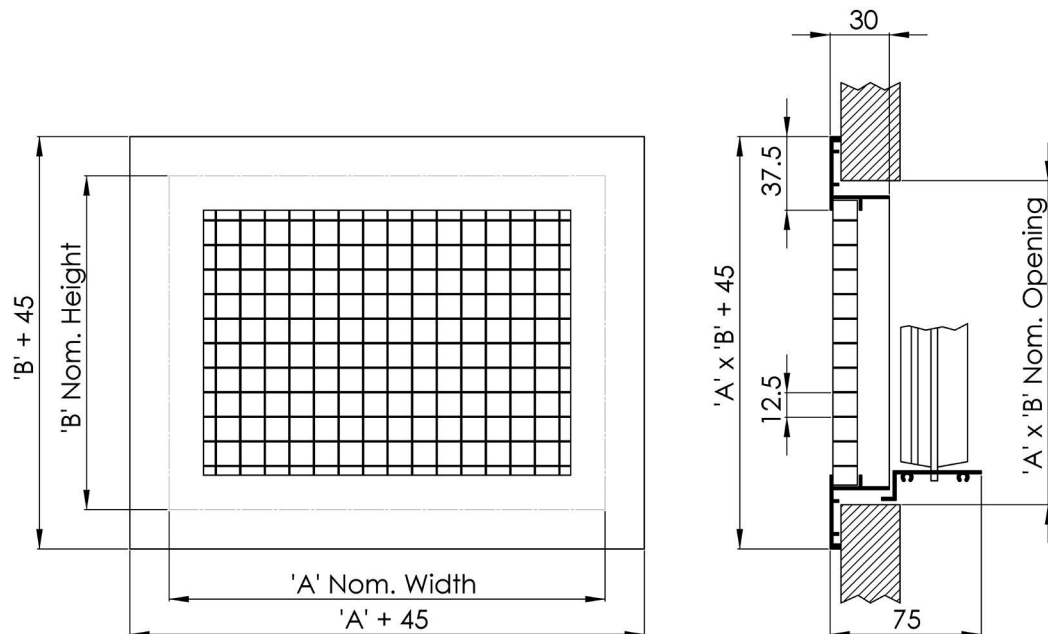
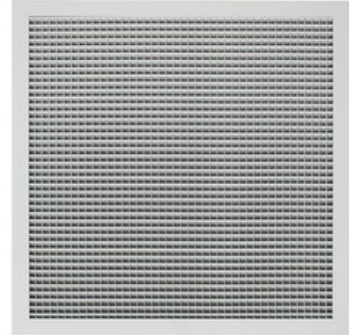


Eggcrate Grille (ECG)

Cooltech Industries eggcrate grille is manufactured from high grade aluminium extrusion and mechanically locked woven aluminium eggcrate core. The eggcrate grille is traditionally used in return & exhaust air function where the ability to handle high air volumes is paramount. Available in a variety of different core options including fixed, loose core, removable core & hinged core with filter. Standard finish is white powdercoat however other powdercoat colours and natural anodised finish are available upon request. Can also be supplied in conjunction with an insulated plenum box, fixing clip neck or air control device.

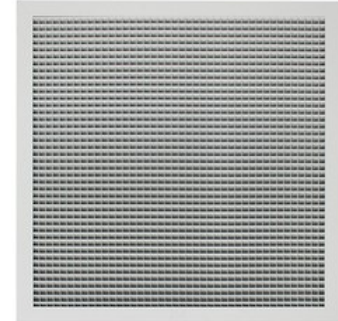




STATIC PRESSURE AT VARIOUS AIR QUANTITIES AND NECK AREAS

Static pressure - Pa

Typical Sizes:	300 x 300 600 x 150	450 x 300 900 x 150	600 x 300 900 x 200	750 x 300 600 x 375	900 x 300 600 x 450	1200 x 300 600 x 600	900 x 450 675 x 600	1200 x 450 900 x 600	900 x 900 1350 x 600	1000 x 1000 2000 x 500	1500 x 1000 1225 x 1225	2000 x 1000 1600 x 1250
Neck Area M ² :	0.090	.0135	0.180	0.225	0.270	0.360	0.405	0.540	0.810	1.000	1.500	2.000
L/S												
50												
75	2											
100	3											
125	5											
150	7.5	2.5										
175	9	3										
200	11	4										
250	12.5	5	2.5									
300	20	7.5	2.5	2.5								
350	25	10	5	2.5	2.5							
400	42.5	12	7.5	5	2.5							
450	57.5	12.5	8.5	5	3	2.5	2.5					
500		15	10	6	5	3	2.5	2.5				
600		22.5	12.5	7	6	5	2.5	2.5				
700		27.5	15	7.5	7.5	6	5	2.5				
800		35	20	12.5	10	7.5	6	2.5	2.5			
900		42.5	25	17.5	12	10	7	5	2.5			
1000		55	32.5	22.5	12.5	10	7.5	6	2.5	2.5		
1500			40	25	15	12.5	10	7.5	5	2.5		
2000					42.5	25	20	15	10	7.5	5	5
2500						42.5	42.5	25	15	10	7.5	5
3000							40	27.5	17.5	15	7.5	5
4000									47.5	30	10	7.5
5000										40	12.5	10



VARIOUS NECK VELOCITIES GIVEN AIR FLOW v NECK AREA

Neck velocity – metres / sec

Typical Sizes:	300 x 300 600 x 150	450 x 300 900 x 150	600 x 300 900 x 200	750 x 300 600 x 375	900 x 300 600 x 450	1200 x 300 600 x 600	900 x 450 675 x 600	1200 x 450 900 x 600	900 x 900 1350 x 600	1000 x 1000 2000 x 500	1500 x 1000 1225 x 1225	2000 x 1000 1600 x 1250
Neck Area M ² :	0.090	.0135	0.180	0.225	0.270	0.360	0.405	0.540	0.810	1.000	1.500	2.000
L/S												
50	0.5											
75	1.0	0.5										
100			0.5									
125		1.0		0.5								
150	2.0				0.5							
175			1.0			0.5						
200				1.0			0.5					
250	3.0	2.0			1.0			0.5				
300	4.0		2.0									
350	4.5	3.0				1.0						
400	5.0			2.0			1.0		0.5			
450		3.5										
500		4.0	3.0		2.0			1.0		0.5		
600		5.0	4.0	3.0								
700			4.5	3.5	3.0	2.0			1.0		0.5	
800			5.0	4.0	3.5	2.5	2.0					
900				4.5	4.0	3.0						
1000				5.0	4.5	3.5	3.0	2.0		1.0		0.5
1500					5.0	4.5	4.0	3.0	2.0	1.5	1.0	
2000						5.5	4.5	4.0	3.0	2.0	1.5	
2500							5.5	5.0	3.5	2.5		
3000									4.0	3.0	2.0	1.0
3500									5.0	3.5	3.0	
4000										4.0		2.0
5000										5.0	3.5	3.0