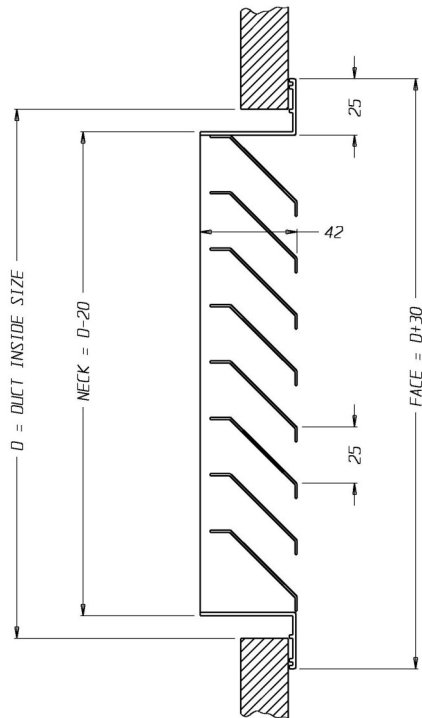


Half Chevron Grille (CHEV45)



Cooltech Industries Half Chevron (CHEV45) is a strong, robust louvred style grille used predominately for return and exhaust air functions. The angled 45 degree half chevron blades offer a sight-proof barrier whilst maximising free area and thus performance. Used mostly in situations of sidewall return air functions, Cooltech Industries Half Chevron can also be used in ceiling return air function where a premium look is required. Manufactured from high grade aluminium extrusion, Cooltech Industries half chevron grille can be supplied with a fixed core, removable core or hinged core and can be fitted with a 10mm panel filter behind. Standard face flange is 25mm however 12mm and 50mm face flanged are also available. Standard finish is satin white powdercoat however special powdercoat finishes and a natural anodised finish is available upon request.





Static Pressure Data for Various Core Sizes

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	2.5											
100	7.5											
125	15	5	2.5									
150	22.5	5	5	2.5								
175	32.5	7.5	5	2.5	2.5							
200	40	7.5	5	5	2.5							
250	42.5	15	7.5	5	2.5							
300		17.5	10	7.5	5	5	2.5					
350		25	12.5	10	7.5	5	2.5	2.5				
400		32.5	17.5	10	10	5	5	2.5				
450		40	25	12.5	10	7.5	5	2.5				
500		50	32.5	17.5	10	7.5	5	5	2.5			
600			37.5	22.5	15	10	7.5	5	5	2.5		
700				30	22.5	15	10	7.5	5	2.5		
800					42.5	27.5	15	10	5	2.5		
900					45	30	17.5	12.5	7.5	5	2.5	
1000					50	35	20	15	10	5	2.5	
1500						37.5	22.5	17.5	12.5	7.5	5	2.5
2000						75	50	37.5	20	15	7.5	5
2500									37.5	22.5	10	7.5
3000										50	35	15
4000											37.5	30
5000											45	37.5



Neck Velocity Data for Various Core Sizes

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	2.5					
1000				5.0	4.5	3.5	3.0	2.0		1.0		0.5
1500					5.5	4.5	4.0	3.0	2.0		1.0	
2000						5.5	4.5	4.0	3.0	2.0	1.5	
2500							5.5	5.0	3.5	2.5	2.0	1.0
3000									4.0	3.0	2.5	
3500									5.0	3.5	2.75	
4000										4.0	3.0	2.0
5000										5.0	3.5	3.0