idealair
group

GESTUS

Half chevron grilles

HC
HCRC
HCH
HCHF
HCRCF

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PRODUCT DATA SHEET

1 YR WARRANTY

HALF CHEVRON GRILLES

Overview

The HC series of half chevron grilles are designed for use in exhaust or return air applications in ceilings or walls. The grilles are manufactured from aluminium and the blade design gives a non-see through appearance. Where required a filter is offered as a standard option. The filter medium is designed to trap the smallest particles while creating minimal air flow resistance. Standard colour is RAL9016. Other colours available upon request, contact your local dealer.

HC
Half chevron fixed core

HCH
Half chevron hinged core

HCRC
Half chevron removable core

HCHF
Half chevron hinged core c/w filter

HCRCF
Half chevron removable core c/w filter

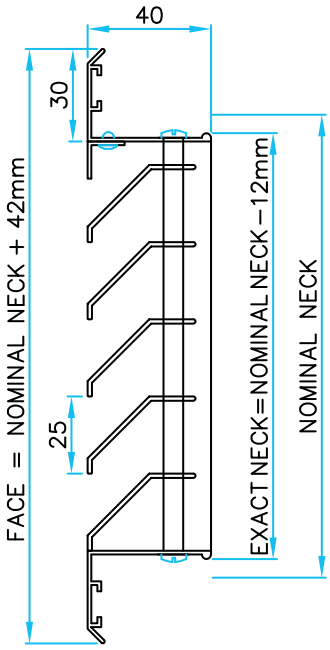
Top perspective

Front view

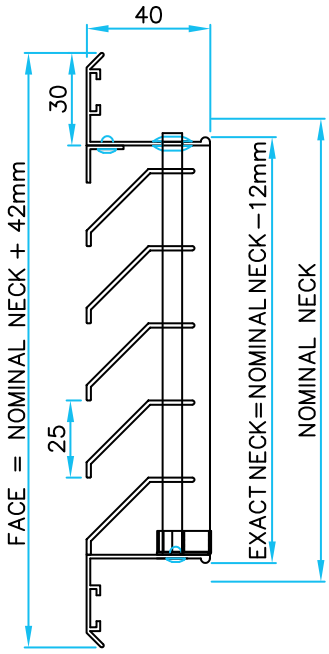
Rear view

End view

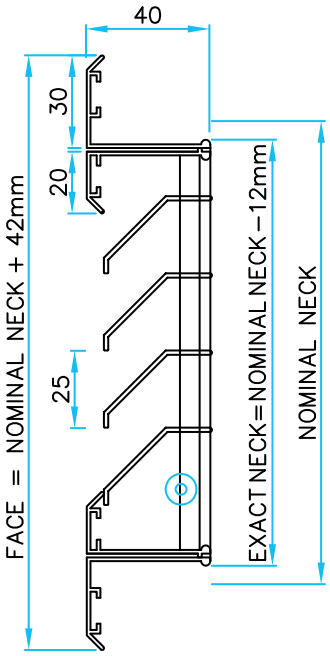
idealair group reserves the right to make changes to product without prior notice.



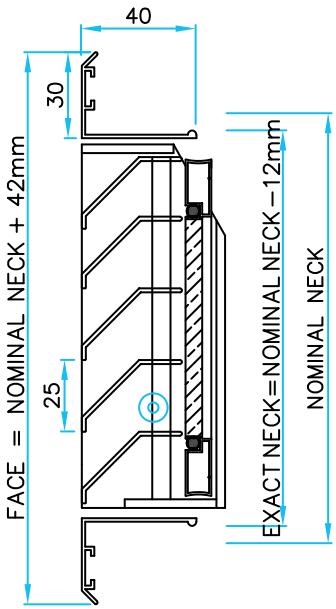
HC
HALF CHEVRON - FIXED CORE



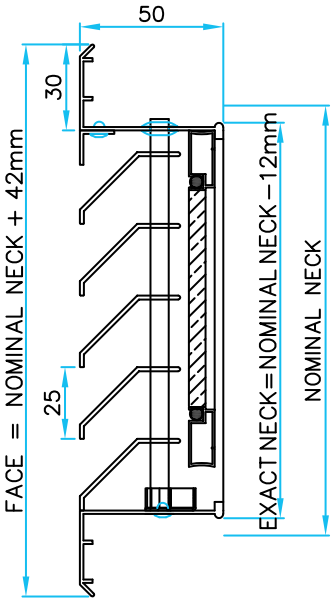
HCRC
HALF CHEVRON - REMOVABLE CORE



HCH
HALF CHEVRON - HINGED CORE



HCHF
HALF CHEVRON - HINGED CORE C/W FILTER



HCHF
HALF CHEVRON - REMOVABLE CORE C/W FILTER

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Technical Data

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Size (Nom.)												
X Dim.	Y Dim.	Free Area %	Nominal Area (m^2)	Pressure Drop (Pa)	3	5	10	20	30	40	50	60
150	150	67%	0.02	Flow Rate (l/s)	22	30	40	60	70	80	90	100
				Noise NR	<20	<20	<20	24	30	35	38	41
200	200	70%	0.04	Flow Rate (l/s)	45	60	80	120	140	160	180	200
				Noise NR	<20	<20	<20	26	33	37	40	43
250	250	72%	0.06	Flow Rate (l/s)	75	95	135	180	220	250	275	300
				Noise NR	<20	<20	<20	27	34	38	42	44
300	300	73%	0.09	Flow Rate (l/s)	90	120	170	235	285	330	370	400
				Noise NR	<20	<20	<20	28	34	38	42	45
400	350	74%	0.14	Flow Rate (l/s)	115	165	235	330	400	460	510	560
				Noise NR	<20	<20	20	30	35	39	42	45
450	400	75%	0.18	Flow Rate (l/s)	180	215	305	430	515	595	650	720
				Noise NR	<20	<20	20	36	37	40	43	46
550	500	76%	0.28	Flow Rate (l/s)	250	330	445	610	720	810	900	960
				Noise NR	<20	<20	21	32	37	41	44	47
600	600	77%	0.36	Flow Rate (l/s)	320	430	600	800	1000	1150	1300	1400
				Noise NR	<20	<20	22	32	38	42	45	48
750	750	77%	0.56	Flow Rate (l/s)	500	650	800	1200	1400	1600	1800	1900
				Noise NR	<20	<20	22	33	38	43	46	49
900	900	78%	0.81	Flow Rate (l/s)	650	850	1200	1650	2000	2300	2550	2800
				Noise NR	<20	<20	23	34	40	45	48	50
1000	1000	78%	1.00	Flow Rate (l/s)	800	1050	1450	2050	2450	2800	3100	3400
				Noise NR	<20	<20	24	35	41	46	47	51
1200	1200	78%	1.44	Flow Rate (l/s)	1050	1375	1850	2600	3150	3600	4000	4300
				Noise NR	<20	<20	24	36	41	46	48	51

Dimensions in millimetres.
For rectangular sizes, use the Nominal Area (m^2). For example, 450 x 200 = 0.090m^2 use the data for the size grille 300 x 300.
This data to be used for quick selection only, not to be used for commissioning.

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HALF CHEVRON GRILLES

Order Details

Example – To order a Half Chevron Grille, 700 x 450 (nominal size), removable core, complete with a filter and painted standard RAL9016.

CODE = HC-RCF-700-450

Note: Contact your sales branch or sales representative if your desired product cannot be ordered by using the above ordering criteria.

HC-_____-_____-_____

FINISH
NIL = Standard white RAL9016

HC WIDTH – NOMINAL
Y = NOMINAL DIMENSION
Stated in millimetres

HC LENGTH - NOMINAL
X = NOMINAL DIMENSION
Stated in millimetres

MODEL

HC	= Half Chevron Grille
HCRC	= Half Chevron Removable Core
HCH	= Half Chevron Hinged Core
HCHF	= Half Chevron Hinged Core c/w Filter
HCRCF	= Half Chevron Removable Core c/w Filter

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