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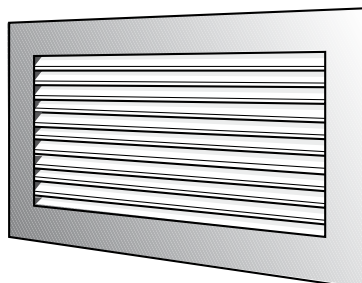
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NON-VISION DOOR GRILLE

Series 5600



General

Non-vision transfer air grille for use in doors, walls, ceilings, with or without a matching backing flange. Available in four basic models, including a light proof model for dark room applications.

Design

Fixed horizontal vanes of inverted V-shape, housed within the frame, spaced at 12 mm centres, providing complete non-vision. When used with the matching backing flange these grilles can be fitted in doors or partitions.

For light proof (darkroom) applications an additional complete core is fitted to the rear face of the grille (5600D) and the whole assembly has a matt black finish.

Model	Design	Applications
5600	Single core, flat outer frame, no backing flange	Cupboard, service entry door
5600 A	Single core, flat outer frame, with backing flange	Typical door
5600 C	Single core, channel frame	Partitions
5600 D	Double core, flat outer frame, with backing flange	Darkroom door or wall

Sizes (mm)

Available square or rectangular.

Minimum Nominal (hole) size : 150 mm x 150 mm

Maximum Nominal (hole) size : 1200 mm x 1200 mm

Standard size increment : 50 mm width or height

When ordering, specify nominal width followed by nominal height:

e.g. 500 mm wide x 200 mm high

Finishes

Standard finish is gloss powder coat. Matt black is available for light proof applications. Alternative colours and finishes are available.

Construction

Frame and vanes are of corrosion resistant aluminium construction.

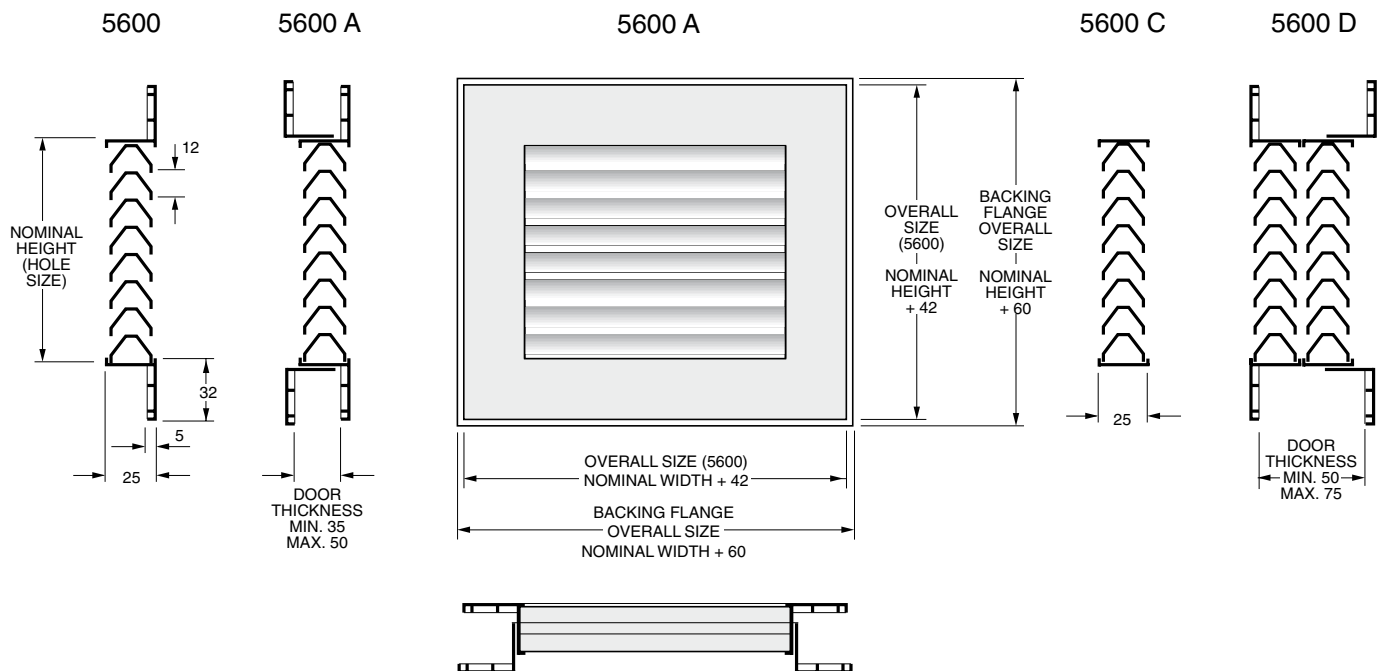
General

Fully adjustable linear slot supply/return air diffuser, suitable for sidewall or ceiling mounting. Available with 1 to 8 slots and a choice of two slot widths. Standard manufacture is continuous (butt-jointed), or closed end (end

NON-VISION DOOR GRILLE

Dimensions (mm)

Series 5600



Performance Data

NON-VISION DOOR GRILLE

Series 5600

Nominal Size (mm) (W x H)	Core Area (m ²)	Vel. m/s	0.5	1.0	1.25	1.5	2.0	2.5	3.0	3.5	4.0
		Vel. P Pa	< 1.0	< 1.0	1.0	1.5	2.5	< 4.0	5.5	8	10
		Stat. P Pa	4	15	24	35	60	95	135	185	240

150 x 150 200 x 125 250 x 100 300 x 75	0.019	Vol. l/s	10	19	24	29	38	48	57	67	76
		N.C.	< 20	< 20	< 20	24	32	38	44	48	55
200 x 200 300 x 150 350 x 125 450 x 100 550 x 75	0.035	Vol. l/s	18	35	44	53	70	88	105	125	140
		N.C.	< 20	< 20	21	27	35	41	47	51	56
250 x 250 300 x 200 350 x 150 550 x 100 850 x 75	0.056	Vol. l/s	28	56	70	84	110	140	170	195	225
		N.C.	< 20	< 20	23	29	36	42	48	53	57
300 x 300 400 x 250 450 x 200 650 x 150 1000 x 100	0.082	Vol. l/s	41	82	105	125	185	205	245	285	330
		N.C.	< 20	< 20	25	31	38	45	50	55	59
350 x 350 400 x 300 450 x 250 550 x 200 800 x 150	0.114	Vol. l/s	57	115	145	170	230	285	340	400	455
		N.C.	< 20	20	26	32	40	46	51	56	61
400 x 400 450 x 350 550 x 300 600 x 250 750 x 200	0.150	Vol. l/s	75	150	190	225	300	375	450	525	600
		N.C.	< 20	21	27	33	40	47	52	58	62
450 x 450 500 x 400 650 x 300 750 x 250 950 x 200	0.191	Vol. l/s	96	190	240	285	380	480	575	670	765
		N.C.	< 20	22	28	34	41	48	53	58	62
500 x 500 550 x 400 700 x 350 850 x 300 1000 x 250	0.237	Vol. l/s	120	235	295	355	475	595	710	830	950
		N.C.	< 20	23	29	35	42	49	53	58	63
550 x 550 600 x 500 750 x 400 950 x 300 1150 x 250	0.288	Vol. l/s	145	290	360	430	575	720	865	1 010	1 150
		N.C.	< 20	24	30	36	44	50	54	60	63
600 x 600 700 x 500 900 x 400 1200 x 300 1500 x 250	0.345	Vol. l/s	170	345	430	520	690	865	1 035	1 210	1 380
		N.C.	< 20	25	31	37	45	49	55	61	65
650 x 650 800 x 600 950 x 500 1200 x 400 1600 x 300	0.405	Vol. l/s	205	405	505	610	810	1 015	1 215	1 420	1 620
		N.C.	< 20	25	31	37	46	52	57	61	66
700 x 700 800 x 600 950 x 500 1200 x 400 1600 x 300	0.472	Vol. l/s	235	470	590	710	945	1 180	1 415	1 650	1 890
		N.C.	< 20	25	32	38	47	53	58	62	66
750 x 750 900 x 600 1100 x 500 1200 x 450 1500 x 350	0.543	Vol. l/s	270	545	680	815	1 085	1 360	1 630	1 900	2 170
		N.C.	20	26	32	38	48	55	59	63	68
800 x 800 1000 x 600 1200 x 500 1500 x 400 1800 x 350	0.619	Vol. l/s	310	620	775	930	1 240	1 550	1 855	2 165	2 475
		N.C.	20	26	33	39	50	55	60	66	71

Vel. = Neck Velocity (m/s) Vel. P. = Velocity Pressure (Pa) Stat. P. = Static Pressure (Pa)

Vol. = Volume (l/s) N.C. = Noise Criteria level

SUGGESTED SPECIFICATIONS

Non-Vision Door Grille - Series 5600

All non-vision transfer air grilles shall have a core comprised of inverted 'V' type vanes spaced to prevent vision through the grille, housed within a flanged frame. Frame and vanes shall be of aluminium alloy sections, the complete grille finished in commercial grade powder or stoving enamel coating, all as manufactured by **temperzone** Limited. Where specified, door grilles shall have an additional backing flange fitted to the reverse side of the door opening. For lightproof applications, grilles shall have a double core assembly finished in matt black. 'Core only' type grilles shall have a channel section frame.
