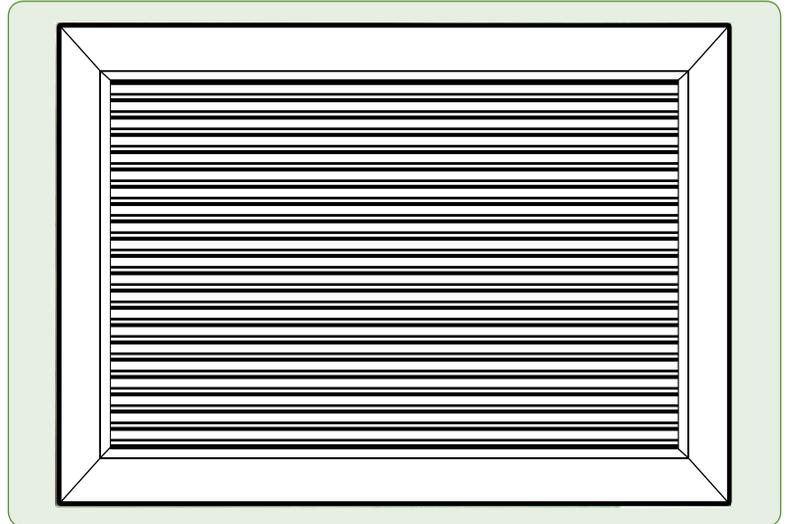


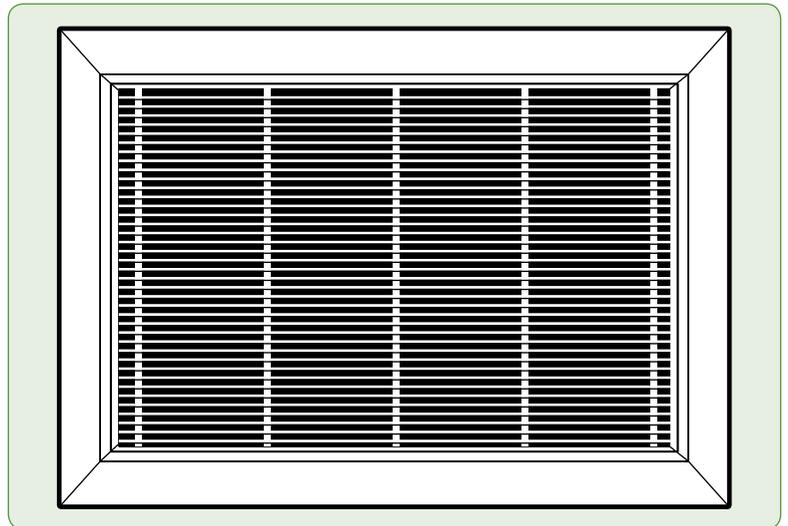
## Model DG-52 Door Grille

Offers maximum free area, and is completely sight proof. Also widely used as exhaust and return air grilles where concealment of inside of duct from all angles, is desirable. Constructed of inverted chevron shaped blades tightly held by special spacers in guide slots in the surround. Available in channel (flangeless) surround, or flanged frame, with or without matching back flange.



## Model DG-17 Door Grille

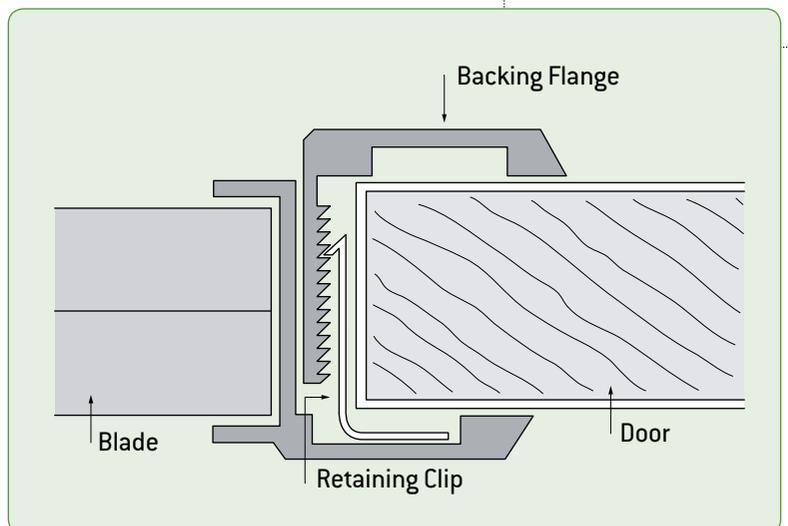
Slightly less free area than DG-52 (refer ratings). Presents an alternative architectural styling, and designed to fit sections as thin as 17mm. Rugged, braced, extruded aluminium construction, in channel (flangeless) surround, or flanged frame, with or without matching back flange.

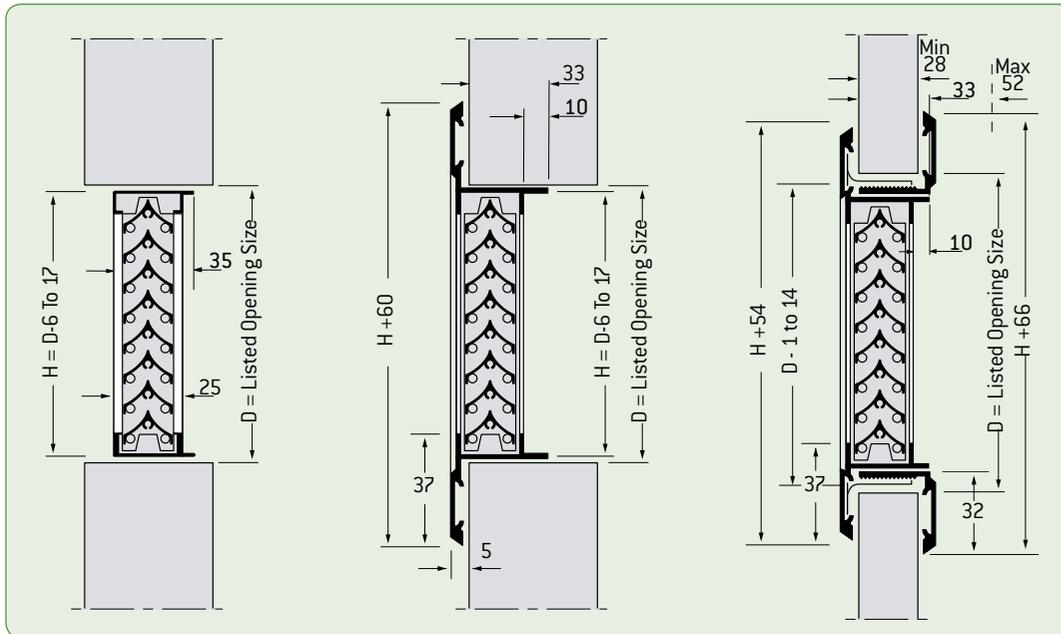
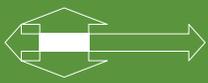


## Concealed fixing

Where backing flanges are required, all Model DG 52 door grilles are supplied with concealed fixing clips which grip the serrated surface of the telescoping backing flange. The face and back flanges can be used to clamp the door thickness, thus requiring no screws.

### Concealed fixing





Model **DG-52-AL** - with channel frame. Constructed of extruded aluminium. Long blades.

Model **DG-52-AS** - as above but with short blades

Model **DG-52-BL** - with flange frame, Long blades.

Model **DG-52-BS** - as above but with short blades.

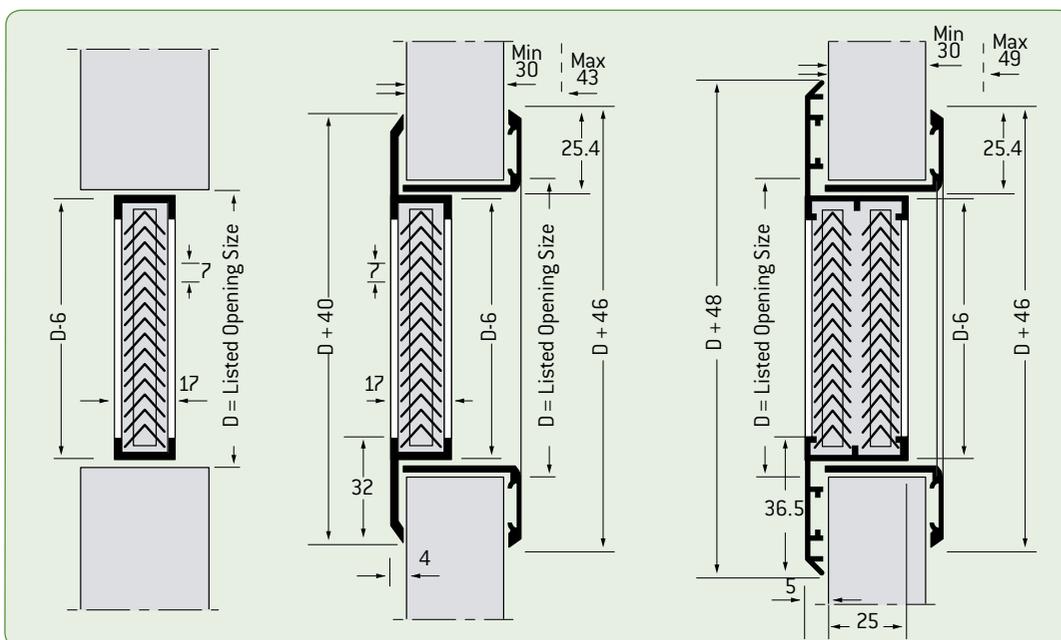
Model **DG-52-BFL** - with flange, auxiliary frame and concealed fixing. Adjusts to fit door thickness giving finished appearance for both sides of door. Long blades

\* Core height is governed by multiples of blade height. Any difference between core height and nominal opening height is accommodated in the clearance dimension which may vary between 1 & 14mm.

Blades normally run in long dimension. Short blades are available. When ordering use suffix 'L' or 'S' respectively. e.g. DG-52-BFL.

Model **DG-52-BFS** - as above but with short blades.

## Series DG17 and DG1700



Model **DG-17-AL** - with channel frame. Constructed of extruded aluminium.

Model **DG-17-AS** as above but with short blades.

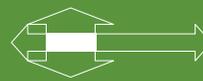
Model **DG-17-BFL** - with flange and backing frame. Adjusts grille to fit varying door thicknesses giving installation finished appearances from both sides of door or partition.

Model **DG-17-BL** - with flange frame and long blades

Model **DG-17-BFS & DG-17-BS** - as above but with short blades

Model **DG-1700-BFL** - a double thickness light proof door grille with flange and backing frame Adjusts grille to fit varying door thicknesses giving installation finished appearance for both sides of door or partition.

Model **DG-1700-BFS** - as above but with short blades.



## Models: DG-52, DG-17 and DG-1700

CORE AREA m <sup>2</sup>	NOMINAL SIZE(mm)	CORE VEL. M/s	NC 20				NC 30				NC 40			NC 50	
			1.02	1.28	1.53	1.79	2.04	2.55	3.06	3.57	4.08	4.59			
			VEL. PRESS	1	1	2	2	3	4	6	8	10	13		
		NEG. SP	15	24	33	47	60	91	129	177	231	292			
0.014	175 x 100	m <sup>2</sup> /s	0.014	0.017	0.021	0.025	0.028	0.035	0.042	0.050	0.057	0.064			
	150 x 125	NC	12	18	24	28	32	39	44	49	53	56			
0.017	200 x 100 150 x 150	m <sup>2</sup> /s	0.017	0.021	0.025	0.030	0.034	0.042	0.051	0.059	0.068	0.076			
	175 x 125	NC	13	18	24	28	33	39	45	49	53	57			
0.020	250 x 100 175 x 150	m <sup>2</sup> /s	0.021	0.026	0.031	0.036	0.042	0.052	0.062	0.073	0.083	0.093			
	200 x 125	NC	13	19	25	29	34	40	46	50	54	57			
0.024	300 x 100 200 x 150	m <sup>2</sup> /s	0.025	0.031	0.037	0.043	0.049	0.061	0.074	0.086	0.098	0.110			
	250 x 125	NC	14	20	26	30	34	41	46	51	55	58			
0.028	350 x 100	m <sup>2</sup> /s	0.028	0.035	0.042	0.050	0.057	0.071	0.085	0.099	0.113	0.127			
		NC	15	20	26	30	35	41	47	51	55	59			
0.032	400 x 100 250 x 150	m <sup>2</sup> /s	0.032	0.040	0.048	0.056	0.064	0.080	0.096	0.112	0.128	0.144			
	300 x 125	NC	15	21	27	31	35	42	47	52	56	59			
0.036	450 x 100 300 x 150	m <sup>2</sup> /s	0.037	0.046	0.055	0.065	0.074	0.092	0.110	0.129	0.147	0.166			
	350 x 125 200 x 200	NC	16	22	28	32	36	42	48	52	56	60			
0.043	500 x 100 350 x 150	m <sup>2</sup> /s	0.043	0.054	0.065	0.076	0.087	0.109	0.130	0.152	0.174	0.195			
	400 x 125 250 x 200	NC	16	22	28	32	37	43	48	53	57	60			
0.048	600 x 100 400 x 150	m <sup>2</sup> /s	0.049	0.061	0.074	0.086	0.098	0.123	0.147	0.172	0.196	0.221			
	450 x 125	NC	17	23	29	33	37	44	49	53	57	61			
0.056	700 x 100 450 x 150 250 x 250	m <sup>2</sup> /s	0.057	0.071	0.085	0.099	0.113	0.142	0.170	0.198	0.227	0.255			
	500 x 125 300 x 200	NC	17	23	29	33	38	44	50	54	58	61			
0.064	750 x 100 500 x 150 300 x 250	m <sup>2</sup> /s	0.065	0.082	0.098	0.114	0.130	0.163	0.195	0.228	0.260	0.293			
	600 x 125 350 x 200	NC	18	24	30	34	38	45	50	55	58	62			
0.075	900 x 100 550 x 150 350 x 250	m <sup>2</sup> /s	0.076	0.095	0.115	0.134	0.153	0.191	0.229	0.268	0.306	0.344			
	700 x 125 400 x 200	NC	18	24	30	34	39	45	51	55	59	63			
0.084	750 x 125 450 x 200 300 x 300	m <sup>2</sup> /s	0.085	0.106	0.127	0.149	0.170	0.212	0.255	0.297	0.340	0.382			
	650 x 150 400 x 250	NC	19	25	31	35	39	46	51	56	60	63			
0.099	900 x 125 450 x 250	m <sup>2</sup> /s	0.101	0.126	0.151	0.176	0.202	0.252	0.303	0.353	0.404	0.454			
	750 x 150 350 x 300	NC	20	25	31	35	40	46	52	56	60	64			
0.110	850 x 150 500 x 250 350 x 350	m <sup>2</sup> /s	0.111	0.139	0.167	0.195	0.223	0.278	0.334	0.390	0.445	0.501			
	600 x 200 400 x 300	NC	20	26	32	36	40	47	52	57	61	64			
0.124	900 x 150 400 x 350	m <sup>2</sup> /s	0.126	0.158	0.190	0.221	0.253	0.316	0.379	0.443	0.506	0.569			
	450 x 300	NC	20	26	32	36	41	47	53	57	61	65			
0.149	850 x 175 600 x 250 450 x 350	m <sup>2</sup> /s	0.151	0.189	0.227	0.264	0.302	0.378	0.453	0.529	0.604	0.680			
	750 x 200 500 x 300 400 x 400	NC	21	27	33	37	41	48	53	58	62	65			
0.167	900 x 200 600 x 300 450 x 400	m <sup>2</sup> /s	0.170	0.212	0.255	0.297	0.340	0.425	0.510	0.595	0.680	0.764			
	750 x 250 500 x 350	NC	22	27	33	37	42	48	54	58	62	66			
0.183	900 x 250 600 x 350 450 x 450	m <sup>2</sup> /s	0.196	0.245	0.294	0.344	0.393	0.491	0.589	0.687	0.785	0.883			
	750 x 300 500 x 400	NC	22	28	34	38	42	49	54	59	63	66			
0.228	800 x 300 600 x 400	m <sup>2</sup> /s	0.231	0.289	0.347	0.404	0.462	0.578	0.694	0.809	0.925	1.040			
	650 x 350 500 x 450	NC	23	29	35	39	43	50	55	60	63	67			
0.258	900 x 300 650 x 400	m <sup>2</sup> /s	0.262	0.328	0.394	0.459	0.525	0.656	0.787	0.918	1.050	1.180			
	750 x 350 600 x 450	NC	23	29	35	39	44	50	56	60	64	67			
0.289	900 x 350 650 x 450	m <sup>2</sup> /s	0.294	0.367	0.440	0.513	0.587	0.734	0.881	1.030	1.170	1.320			
	750 x 400 600 x 500	NC	24	30	36	40	44	51	56	60	64	68			
0.335	900 x 400 600 x 600	m <sup>2</sup> /s	0.341	0.426	0.511	0.596	0.681	0.852	1.020	1.190	1.360	1.530			
	750 x 450	NC	24	30	36	40	45	51	57	61	65	68			
0.399	900 x 450	m <sup>2</sup> /s	0.405	0.506	0.607	0.708	0.810	1.010	1.220	1.420	1.620	1.820			
	800 x 500	NC	25	31	37	41	45	52	57	62	66	69			
0.432	900 x 500	m <sup>2</sup> /s	0.439	0.548	0.658	0.768	0.878	1.090	1.320	1.540	1.760	1.980			
	750 x 600	NC	25	31	37	41	46	52	58	62	66	69			
0.518	900 x 600	m <sup>2</sup> /s	0.527	0.658	0.790	0.922	1.050	1.320	1.580	1.840	2.110	2.370			

NC 60

TYPE	CORRECTION FACTOR	
	NC	SP
DG-52	+0	x 1.0
DG-17	+5	x 1.4
DG-1700	+7	x 2.8

- Neg. SP is negative static pressure.
- NC values are based on room absorption of 10 db, re 10<sup>-12</sup> watts.

- All pressures are in Pascals.
- Heavy dividing lines denote ranges of NC values.