



NON VISION DOOR GRILL DG series



APPLICATION

Series DG offers the best solution for a completely sight proof design. Designed for installation in doors, walls or partition where constant passage of air and non vision is desired. V shape blades not only block vision but also provide stiffness.

MODELS DETAILS

- DG-SF:** V-shape blades with single frame.
- DG-DF:** V-shape blades with double frame which can be adjusted to fit any door thickness from 30mm up to 48mm as standard. The maximum thickness can be extended to 63mm (2^{1/2}") as optional construction.

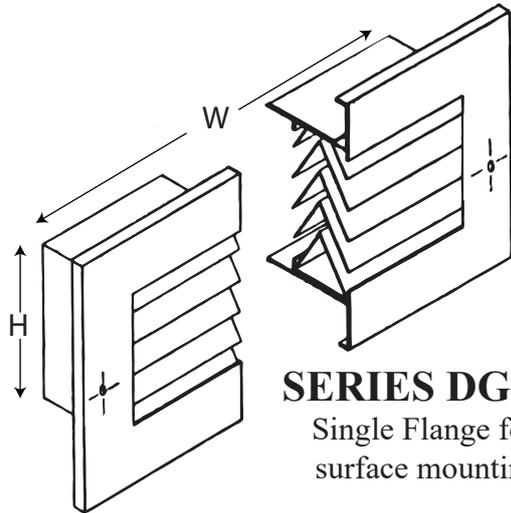
FEATURED STANDARD CONSTRUCTION

- FRAME:**
 - 30mm (1^{3/16}") flange constructed from heavy extruded aluminum material with interlocked corners and mechanically stacked to form a rigid frame.
- BLADES:**
 - V-shape blades constructed with 1mm thickness aluminum, spaced 12.7mm (1/2") from center to center.
 - Mechanically joined to the frame and securely held in place.
 - Countersunk screwholes in the border for fixation.
- FINISH:**
 - Mill finish.
- SIZES:**
 - Minimum Sizes: 4" x 4"
 - Maximum Sizes: 30" x 24"

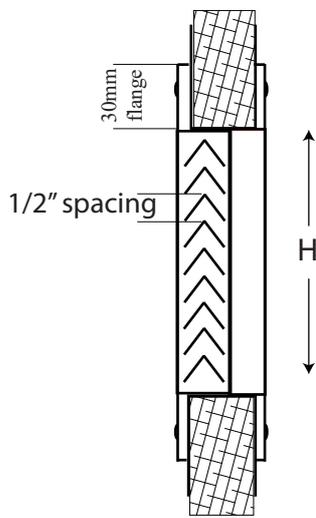
OPTIONS

- Extendable frame for larger depth
- Satin Anodized finish or any RAL color upon request
- Concealed clips for fixation for DG-SF
- Foam gasket on the back of the frame

ILLUSTRATIONS



SERIES DG-SF
Single Flange for surface mounting



Side view: DG-DF
(Double frame)



Side view: DG-SF
(Single frame)

• NB: 6mm Clearance is deducted from your order size.



MODEL DG

DOOR GRILLES PERFORMANCE DATA

SIZE WxH (INCH)	CORE AREA (Ft ²)	FACE VELOCITY (FPM)	175	200	225	250	300	325	350	375	425
		NEG SP (Inch. Wg)	0.030	0.040	0.050	0.060	0.080	0.100	0.120	0.150	0.180
8x4 ; 7x5 ; 6x6	0.25	AIRFLOW (CFM)	44	50	56	63	75	81	88	94	106
		NC	<15	<15	<15	16	20	23	27	30	34
10x4; 8x5; 7x6	0.28	AIRFLOW (CFM)	49	56	63	70	84	91	98	105	119
		NC	<15	<15	15	19	23	26	28	30	34
12x4; 10x5; 8x6	0.33	AIRFLOW (CFM)	58	66	74	83	99	107	116	124	140
		NC	<15	<15	17	21	25	27	30	32	35
16x4; 12x5; 10x6	0.42	AIRFLOW (CFM)	74	84	95	105	126	137	147	158	179
		NC	<15	16	18	20	24	27	29	32	35
18x4; 14x5; 12x6; 8x8	0.5	AIRFLOW (CFM)	88	100	113	125	150	163	175	188	213
		NC	<15	15	19	22	27	29	31	32	35
20x4; 14x6; 16x5; 10x8	0.56	AIRFLOW (CFM)	98	112	126	140	168	182	196	210	238
		NC	<15	15	18	22	27	29	30	31	34
24x4; 16x6; 18x5	0.67	AIRFLOW (CFM)	117	134	151	168	201	218	235	251	285
		NC	<15	<15	17	20	26	28	30	32	34
28x4; 20x5; 18x6; 10x10; 12x8	0.7	AIRFLOW (CFM)	123	140	158	175	210	228	245	263	298
		NC	<15	<15	17	20	26	28	29	31	34
30x4; 24x5; 20x6; 12x10; 14x8	0.83	AIRFLOW (CFM)	145	166	187	208	249	270	291	311	353
		NC	<15	<15	16	18	26	29	31	32	34
28x5; 22x6; 16x8; 14x10;	0.9	AIRFLOW (CFM)	158	180	203	225	270	293	315	338	383
		NC	<15	16	21	25	29	33	37	42	47
30x5; 26x6; 18x8 16x10; 12x12	1	AIRFLOW (CFM)	175	200	225	250	300	325	350	375	425
		NC	<15	<15	16	19	28	29	31	32	35
30x6; 18x10 14x12	1.25	AIRFLOW (CFM)	219	250	281	313	375	406	438	469	531
		NC	<15	16	18	23	30	32	34	36	39
32x6; 24x8; 20x10 16x12; 14x14	1.4	AIRFLOW (CFM)	245	280	315	350	420	455	490	525	595
		NC	<15	18	22	26	33	34	36	38	40
14x12; 16x14	1.5	AIRFLOW (CFM)	263	300	338	375	450	488	525	563	638
		NC	17	19	23	27	33	34	36	39	42
30x8; 24x10; 20x12 18x14; 16x16	1.7	AIRFLOW (CFM)	298	340	383	425	510	553	595	638	723
		NC	19	21	26	30	36	38	40	41	44
30x10; 24x12; 20x14; 18x16	2	AIRFLOW (CFM)	350	400	450	500	600	650	700	750	850
		NC	17	20	24	28	34	36	38	40	43
30x12; 24x14; 20x16; 18x18	2.3	AIRFLOW (CFM)	403	460	518	575	690	748	805	863	978
		NC	16	20	22	27	33	35	37	40	43
32x12; 26x14; 24x16; 20x18	2.6	AIRFLOW (CFM)	455	520	585	650	780	845	910	975	1105
		NC	16	18	22	26	32	34	38	39	42
30x14; 20x16; 24x18; 22x20	3	AIRFLOW (CFM)	525	600	675	750	900	975	1050	1125	1275
		NC	15	17	22	26	31	33	36	38	40
30X16; 26X18; 24X20	3.3	AIRFLOW (CFM)	578	660	743	825	990	1073	1155	1238	1403
		NC	<15	17	24	28	32	37	42	48	>50
30X18; 24X24	4	AIRFLOW (CFM)	700	800	900	1000	1200	1300	1400	1500	1700
		NC	<15	16	20	23	27	31	34	38	44
32X20; 28X24	4.5	AIRFLOW (CFM)	788	900	1013	1125	1350	1463	1575	1688	1913
		NC	<15	16	22	25	28	32	36	40	48
30X24	5	AIRFLOW (CFM)	875	1000	1125	1250	1500	1625	1750	1875	2125
		NC	<15	16	21	24	27	30	33	37	40



MODEL DG

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SIZE WxH (mm)	CORE AREA (m ²)	FACE VELOCITY (m/s) NEG SP (Pa)	0.89	1.02	1.14	1.27	1.52	1.65	1.78	1.91	2.16
			7.5	10.0	12.5	15.0	20.0	25.0	30.0	37.5	45.0
200x100 ; 175x125 ; 150x150	0.023	AIRFLOW (L/s)	20	23	26	29	35	38	41	44	50
		NC	<15	<15	<15	16	20	23	27	30	34
250x100; 200x125; 175x150	0.026	AIRFLOW (L/s)	23	27	30	33	40	43	46	50	56
		NC	<15	<15	15	19	23	26	28	30	34
300x100;250x125 ; 200x150	0.031	AIRFLOW (L/s)	28	32	35	39	47	51	55	59	67
		NC	<15	<15	17	21	25	27	30	32	35
400x100; 300x125; 250x150	0.039	AIRFLOW (L/s)	35	40	44	50	59	64	69	74	84
		NC	<15	16	18	20	24	27	29	32	35
450x100; 350x125; 300x150; 200x200	0.046	AIRFLOW (L/s)	41	47	52	58	70	76	82	88	99
		NC	<15	15	19	22	27	29	31	32	35
500x100; 350x150; 400x125; 250x200	0.052	AIRFLOW (L/s)	46	53	59	66	79	86	93	99	112
		NC	<15	15	18	22	27	29	30	31	34
600x100; 400x150; 450x125	0.062	AIRFLOW (L/s)	55	63	71	79	94	102	110	118	134
		NC	<15	<15	17	20	26	28	30	32	34
700x100; 500x125; 450x150; 250x250; 300x200	0.065	AIRFLOW (L/s)	58	66	74	83	99	107	116	124	140
		NC	<15	<15	17	20	26	28	29	31	34
750x100; 600x125; 500x150; 300x250; 350x200	0.077	AIRFLOW (L/s)	69	79	88	98	117	127	137	147	166
		NC	<15	<15	16	18	26	29	31	32	34
700x125; 550x150; 400x200; 350x250;	0.084	AIRFLOW (L/s)	75	86	96	107	128	139	150	160	181
		NC	<15	16	21	25	29	33	37	42	47
750x125; 650x150; 450x200 400x250; 300x300	0.093	AIRFLOW (L/s)	83	95	106	118	141	153	166	178	201
		NC	<15	<15	16	19	28	29	31	32	35
750x150; 450x250 350x300	0.116	AIRFLOW (L/s)	103	118	132	147	176	191	206	222	251
		NC	<15	16	18	23	30	32	34	36	39
850x150; 600x200; 500x250 400x300; 350x350	0.13	AIRFLOW (L/s)	116	133	148	165	198	215	231	248	281
		NC	<15	18	22	26	33	34	36	38	40
450x300; 400x350	0.139	AIRFLOW (L/s)	124	142	158	177	211	229	247	265	300
		NC	17	19	23	27	33	34	36	39	42
750x200; 600x250; 500x300 450x350; 400x400	0.158	AIRFLOW (L/s)	141	161	180	201	240	261	281	302	341
		NC	19	21	26	30	36	38	40	41	44
750x250; 600x300; 500x350; 450x400	0.186	AIRFLOW (L/s)	166	190	212	236	283	307	331	355	402
		NC	17	20	24	28	34	36	38	40	43
750x300; 600x350; 500x400; 450x450	0.214	AIRFLOW (L/s)	190	218	244	272	325	353	381	409	462
		NC	16	20	22	27	33	35	37	40	43
800x300; 650x350; 600x400; 500x450	0.242	AIRFLOW (L/s)	215	247	276	307	368	399	431	462	523
		NC	16	18	22	26	32	34	38	39	42
750x350; 500x400; 600x450; 550x500	0.279	AIRFLOW (L/s)	248	285	318	354	424	460	497	533	603
		NC	15	17	22	26	31	33	36	38	40
750X400; 650X450; 600X500	0.307	AIRFLOW (L/s)	273	313	350	390	467	507	546	586	663
		NC	<15	17	24	28	32	37	42	48	>50
750X450; 600X600	0.372	AIRFLOW (L/s)	331	379	424	472	565	614	662	711	804
		NC	<15	16	20	23	27	31	34	38	44
800X500; 700X600	0.418	AIRFLOW (L/s)	372	426	477	531	635	690	744	798	903
		NC	<15	16	22	25	28	32	36	40	48
750X600	0.465	AIRFLOW (L/s)	414	474	530	591	707	767	828	888	1004
		NC	<15	16	21	24	27	30	33	37	40