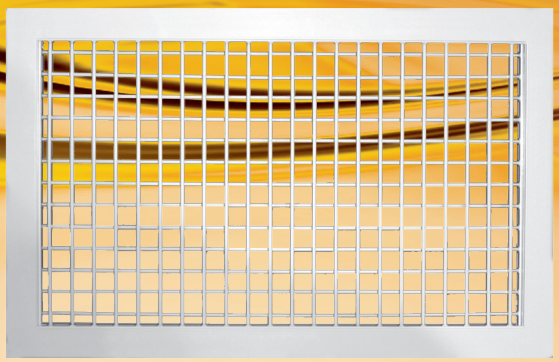
GV-FA & GH-FA Double Deflection Supply Air Grille



ASLI GV-FA & GH-FA series is a type of grille made up of 2 sets of individually adjustable air foil blades, enabling custom blow pattern to be created. They can be targeted towards a specific area, or wider space application.

Materials

GV-FA & GH-FA
Frame : Aluminium extrusion A6063
Blade : Aluminium extrusion A6063

Surface Finish

Baked white powder coated as standard.
Others available upon request.

Models

GV Vertical blades in front.
GH Horizontal blades in front.

Standard Size

Available upon request
Others available upon request

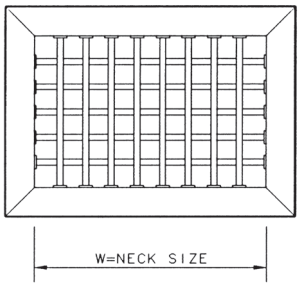
Features

- Model GV & GH is made up of two sets of individually adjustable air foil blades.
- The grille will come in more sections for blade length more than 500mm.
- Approximately 70% free area when blades are fully open.

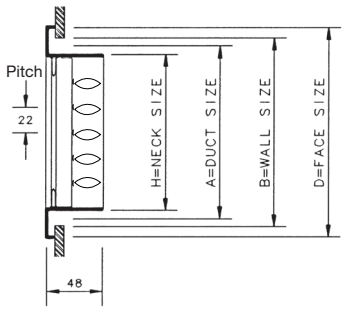
Accessories

G1 Opposed blade damper.

GV-FA & GH-FA Physical Dimension *Unit : mm*



Top View



Sectional View

Model	Standard Size W x H	A Duct Size	B Wall Size	D Face Size
GV-FA & GH-FA	350 x150 400 x 150 450 x 150 500 x 150 500 x 250	W+10 H+10	W+20 H+20	W+54 H+54

GV-FA & GH-FA
Double Deflection Grille

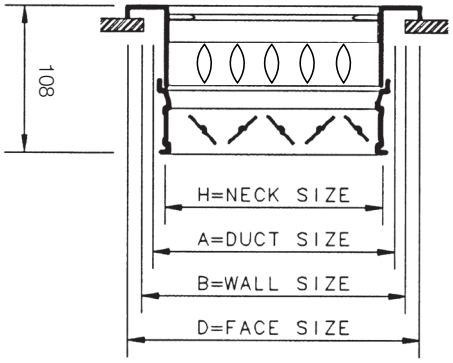
GV-FA & GV-FA + G1 / GH-FA & GH-FA + G1 Opposed Blade Damper

The G1 opposed blade damper is gear operated & can be set at fully open, half open & fully close.

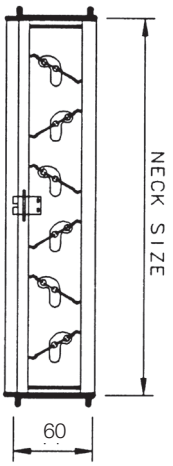
G1 Maximum dimension is 500mm x 500mm. Damper size bigger than this will come in sections.

GV/H -FA & GV/H-FA + G1 Physical Dimension *Unit:mm*

Model	Depth	Neck Size	A Duct Size	B Wall Size	D Face Size
GV-FA	48	W x H	W+10 H+10	W+20 H+20	W+54 H+54
GV-FA + G1	108	W x H	W+15 H+15	W+20 H+20	W+54 H+54



GV/H + G1 Sectional View



G1 Sectional View

GV-FA & GH-FA
Double Deflection Grille

GV-FA & GH-FA Performance Data (1)

Neck Size Area (m^2)	Neck Size (mm x mm)	Neck Vel. (m/s)		2.0	2.5	3.0	3.5	4.0	4.5	5.0
		Total Press (mmAq)	0°	0.8	1.2	1.7	2.2	3.0	3.8	4.6
			22°	0.9	1.4	1.9	2.5	3.5	4.2	5.2
			45°	1.3	2.1	2.8	3.8	5.0	6.4	7.8
0.01	100 x 100	CMH		72	90	108	126	144	162	180
		Throw (m)	0°	1.8 - 3.5	2.4 - 4.2	3.0 - 4.8	3.7 - 5.2	3.8 - 5.7	4.2 - 6.0	4.5 - 6.4
			22°	1.5 - 3.0	1.8 - 3.2	2.4 - 3.8	3.0 - 4.2	3.0 - 4.4	3.3 - 4.8	3.6 - 5.1
			45°	1.0 - 1.8	1.2 - 2.0	1.5 - 2.4	1.8 - 2.7	2.0 - 2.6	2.1 - 3.0	2.2 - 3.2
		NC		-	-	-	-	-	23	25
0.015	150 x 100	CMH		108	135	162	189	216	243	270
		Throw (m)	0°	2.2 - 3.9	2.5 - 4.5	3.3 - 5.2	3.9 - 5.7	4.5 - 6.1	4.7 - 6.6	5.0 - 6.9
			22°	1.8 - 3.1	1.9 - 3.6	2.8 - 4.2	3.1 - 4.6	3.6 - 4.8	3.8 - 5.3	4.0 - 5.6
			45°	1.0 - 2.1	1.2 - 2.4	1.5 - 2.7	2.1 -3.0	2.1 - 3.1	2.3 - 3.3	2.5 - 3.4
		NC		-	-	-	-	21	25	27
0.02	150 x 150 200 x 100	CMH		144	180	216	252	288	324	360
		Throw (m)	0°	2.8 - 4.8	3.4 - 5.5	4.3 - 6.2	4.5 - 6.7	4.9 - 7.0	5.2 - 7.6	5.5 - 8.0
			22°	2.2 - 4.0	2.8 - 4.3	3.4 - 4.9	3.7 - 5.2	4.0 - 5.5	4.2 - 6.0	4.5 - 6.5
			45°	1.3 - 2.6	1.6 - 2.8	1.9 - 3.0	2.2 - 3.1	2.5 - 3.4	2.8 - 3.5	3.0 - 3.7
		NC		-	-	-	21	25	27	29
0.025	250 x 100	CMH		180	225	170	315	360	405	450
		Throw (m)	0°	3.2 - 5.7	3.9 - 6.4	4.8 - 6.8	5.0 - 7.2	5.7 - 7.8	6.2 - 8.4	6.4 - 8.8
			22°	2.6 - 4.5	3.0 - 5.2	3.8 - 5.4	4.2 - 5.7	4.5 -6.3	4.8 - 6.7	5.1 - 7.0
			45°	1.5 - 2.7	2.1 - 3.0	2.4 - 3.3	2.7 - 3.6	2.9 - 3.9	3.1 - 4.2	3.3 - 4.6
		NC		-	-	-	22	26	28	30
0.03	200 x 150 300 x 100	CMH		216	270	324	378	432	486	540
		Throw (m)	0°	3.5 - 6.2	4.3 - 6.9	5.5 - 7.7	5.8 - 8.3	6.5 - 8.9	6.8 - 9.4	7.1 - 9.8
			22°	2.8 - 4.9	3.4 - 5.4	4.3 - 6.2	4.6 - 6.5	5.2 - 7.1	5.3 - 7.4	5.5 - 7.7
			45°	1.8 - 3.1	2.2 - 3.3	2.5 - 3.7	2.8 - 4.0	3.1 - 4.3	3.2 - 4.6	3.4 - 4.9
		NC		-	-	-	22	26	28	30
0.035	250 x 150 350 x 100	CMH		252	315	378	441	504	567	630
		Throw (m)	0°	3.8 - 6.8	4.8 - 7.5	5.6 - 8.3	6.5 - 8.9	6.8 - 9.5	7.2 - 10.0	7.7 - 10.6
			22°	3.0 - 5.2	3.8 - 5.7	4.5 - 6.5	5.2 - 7.1	5.3 - 7.7	5.7 - 8.1	6.2 - 8.6
			45°	1.8 = 3.2	2.3 - 3.6	2.8 - 4.0	3.2 - 4.3	3.5 - 4.6	3.7 - 4.9	3.9 - 5.2
		NC		-	-	-	23	27	29	32
0.04	200 x 200 400 x 100	CMH		288	360	432	504	576	648	720
		Throw (m)	0°	4.0 - 7.2	5.1 - 7.9	6.2 - 8.8	6.7 - 9.4	7.3 - 10.1	7.6 - 10.8	7.9 - 11.3
			22°	3.2 - 5.6	4.1 - 6.3	4.9 - 7.0	5.4 - 7.6	5.7 - 8.2	6.2 - 8.7	6.4 - 9.0
			45°	2.0 - 3.4	2.7 - 3.9	3.0 - 4.3	3.4 - 4.6	3.7 - 5.0	3.9 - 5.3	4.1 - 5.6
		NC		-	-	-	24	28	30	33
0.045	300 x 150 450 x 100	CMH		324	405	486	567	648	729	810
		Throw (m)	0°	4.2 - 7.7	5.3 - 8.4	6.8 - 9.3	7.1 - 9.9	7.8 - 10.8	8.1 - 11.4	8.4 - 12.0
			22°	3.5 - 6.2	4.4 - 6.8	5.4 - 7.5	5.6 - 8.0	6.2 - 87	6.5 - 9.1	6.8 - 9.5
			45°	2.3 - 3.7	2.9 - 4.3	3.3 - 4.6	3.5 - 4.9	3.9 - 5.3	4.1 - 5.7	4.4 - 6.2
		NC		-	-	21	25	28	31	35

- Throw is based on terminal velocities of 0.5 m/s - 0.25 m/s respectively.
- NC value is based on a room absorption of 10 dB, re 10^{-12} watts.
- Dash (-) in space indicates NC value less than 20.

GV-FA & GH-FA
Double Deflection Grille

GV-FA & GH-FA Performance Data (2)

Neck Size Area (m^2)	Neck Size (mm x mm)	Neck Vel. (m/s)		2.0	2.5	3.0	3.5	4.0	4.5	5.0
		Total Press (mmAq)	0°	0.8	1.2	1.7	2.2	3.0	3.8	4.6
			22°	0.9	1.4	1.9	2.5	3.5	4.2	5.2
			45°	1.3	2.1	2.8	3.8	5.0	6.4	7.8
0.05	250 x 200 350 x 150 500 x 100 550 x 100	CMH		360	450	540	630	720	810	900
		Throw (m)	0°	4.5 - 7.9	5.8 - 8.8	6.9 - 9.7	7.6 - 10.6	7.9 - 11.3	8.5 - 11.9	9.2 - 12.5
			22°	3.7 - 6.4	4.6 - 7.0	5.5 - 7.8	6.1 - 8.6	6.4 - 9.1	6.8 - 9.5	7.4 - 10.1
			45°	2.5 - 3.0	3.0 - 4.6	3.4 - 4.9	3.7 - 5.2	4.0 - 5.5	4.3 - 5.9	4.6 - 6.5
		NC		-	-	21	26	29	32	36
0.06	250 x 250 300 x 200 400 x 150 600 x 100 650 x 100	CMH		432	540	648	756	864	972	1080
		Throw (m)	0°	4.9 - 8.6	6.3 - 9.6	7.4 - 10.5	8.3 - 11.4	8.9 - 12.2	9.4 - 13.1	9.9 - 14.0
			22°	4.1 - 6.8	4.9 - 7.8	5.9 - 8.4	6.7 - 9.3	7.1 - 9.8	7.6 - 10.4	8.1 - 11.2
			45°	2.6 - 4.2	3.2 - 4.9	3.8 - 5.2	4.1 - 5.8	4.4 - 6.2	4.7 - 6.6	5.0 - 6.9
		NC		-	-	21	26	29	32	37
0.07	300 x 250 350 x 200 450 x 150 500 x 150 700 x 100 750 x 100	CMH		504	630	756	882	1008	1134	1260
		Throw (m)	0°	5.4 - 9.6	6.9 - 10.7	8.3 - 11.7	9.1 - 12.5	9.6 - 13.5	10.2 - 14.2	10.8 - 14.8
			22°	4.5 - 7.6	5.5 - 8.6	6.6 - 9.4	7.3 - 10.0	7.8 - 10.8	8.2 - 11.4	8.5 - 12.0
			45°	2.8 - 4.7	3.5 - 5.2	4.2 - 5.8	4.4 - 6.4	4.8 - 6.8	5.2 - 7.2	5.4 - 7.5
		NC		-	-	21	26	30	33	38
0.08	350 x 250 400 x 200 550 x 150 800 x 100	CMH		576	720	864	1008	1152	1296	1440
		Throw (m)	0°	5.9 - 10.1	7.3 - 11.3	8.9 - 12.4	9.6 - 13.5	10.4 - 14.4	11.0 - 15.2	11.5 - 16.9
			22°	4.7 - 8.0	5.7 - 9.2	7.0 - 9.9	7.8 - 10.7	8.3 - 11.5	8.7 - 12.2	9.2 - 12.8
			45°	3.0 - 5.0	3.8 - 5.5	4.4 - 6.2	4.8 - 6.8	5.2 - 7.2	5.6 - 7.7	5.9 - 8.0
		NC		-	-	22	27	31	34	39
0.09	300 x 300 450 x 200 600 x 150 850 x 100 900 x 100	CMH		648	810	972	1134	1296	1458	1620
		Throw (m)	0°	6.2 - 10.7	7.8 - 12.0	9.4 - 13.2	10.2 - 14.2	11.0 - 15.2	11.7 - 16.2	12.2 - 17.0
			22°	5.0 - 8.6	6.1 - 9.6	7.5 - 10.5	8.2 - 11.3	8.8 - 12.2	9.3 - 12.9	9.8 - 13.6
			45°	3.2 - 5.3	4.0 - 5.9	4.7 - 6.6	5.1 - 7.1	5.5 - 7.6	5.8 - 8.0	6.2 - 8.2
		NC		-	-	23	27	32	35	39
0.10	350 x 300 400 x 250 500 x 200 650 x 150 700 x 150 1000 x 100	CMH		720	900	1080	1260	1440	1620	1800
		Throw (m)	0°	6.6 - 11.3	8.3 - 2.7	9.9 - 13.9	10.9 - 14.9	11.5 - 16.0	12.2 - 16.9	12.8 - 17.9
			22°	5.2 - 9.1	6.5 - 10.1	8.0 - 11.2	8.6 - 12.0	9.2 - 12.8	9.8 - 13.6	10.3 - 14.4
			45°	3.4 - 5.6	4.3 - 6.4	5.0 - 7.0	5.4 - 7.5	5.7 - 8.0	6.1 - 8.2	6.5 - 8.7
		NC		-	-	23	28	32	35	40
0.12	400 x 300 450 x 250 550 x 200 600 x 200 750 x 150 800 x 150	CMH		964	1080	1296	1512	1728	1944	2160
		Throw (m)	0°	7.1 - 12.5	9.0 - 13.9	11.0 - 15.1	11.8 - 16.5	12.6 - 17.5	13.4 - 18.5	14.1 - 19.5
			22°	5.6 - 10.0	7.0 - 11.2	8.8 - 12.1	9.4 - 13.3	10.0 - 14.0	10.7 - 14.8	11.3 - 15.6
			45°	3.6 - 6.3	4.5 - 6.9	5.4 - 7.5	5.9 - 8.2	6.3 - 8.6	6.6 - 9.3	6.9 - 9.8
		NC		-	-	24	29	33	36	40
0.13	450 x 300 500 x 250 550 x 250 650 x 200 850 x 150 900 x 150	CMH		936	1170	1404	1638	1872	2106	2640
		Throw (m)	0°	7.5 - 12.9	9.3 - 14.5	11.5 - 15.7	12.3 - 17.2	13.3 - 18.2	14.0 - 19.2	14.8 - 20.5
			22°	6.0 - 10.5	7.5 - 11.8	9.3 - 12.7	10.0 - 13.9	10.5 - 14.5	11.0 - 15.1	11.8 - 16.0
			45°	3.9 - 6.7	4.8 - 7.2	5.8 - 7.8	6.2 - 8.5	6.5 - 9.0	6.7 - 9.6	7.2 - 10.2
		NC		-	-	24	29	33	36	40

- Throw is based on terminal velocities of 0.5 m/s - 0.25 m/s respectively.
- NC value is based on a room absorption of 10 dB, re 10^{-12} watts.
- Dash (-) in space indicates NC value less than 20.

GV-FA & GH-FA
Double Deflection Grille

GV-FA & GH-FA Performance Data (3)

Neck Size Area (m^2)	Neck Size (mm x mm)	Neck Vel. (m/s)		2.0	2.5	3.0	3.5	4.0	4.5	5.0
		Total Press (mmAq)	0°	0.8	1.2	1.7	2.2	3.0	3.8	4.6
			22°	0.9	1.4	1.9	2.5	3.5	4.2	5.2
			45°	1.3	2.1	2.8	3.8	5.0	6.4	7.8
0.15	500 x 300 600 x 250 700 x 200 750 x 200 1000 x 150	CMH		1080	1350	1620	1890	2160	2430	2700
		Throw (m)	0°	8.0 - 14.0	9.7 - 15.5	11.8 - 16.9	13.0 - 18.3	14.0 - 19.5	14.8 - 20.5	15.5 - 21.8
			22°	6.5 - 11.3	7.8 - 12.4	9.4 - 13.6	10.2 - 14.6	11.2 - 15.5	11.9 - 16.5	12.4 - 17.6
			45°	4.0 - 7.0	4.9 - 7.5	6.1 - 8.4	6.7 - 9.1	6.9 - 9.7	7.4 - 10.5	7.8 - 10.8
		NC		-	-	24	29	33	37	40
0.16	550 x 300 650 x 250 800 x 200 850 x 200	CMH		1152	1440	1728	2016	2304	2592	2880
		Throw (m)	0°	8.3 - 14.5	10.2 - 16.0	12.4 - 17.5	13.6 - 19.0	14.6 - 20.2	15.4 - 21.4	16.2 - 22.7
			22°	6.6 - 11.5	8.2 - 12.8	9.7 - 14.0	10.6 - 15.1	11.6 - 16.1	12.3 - 17.0	13.0 - 18.1
			45°	4.1 - 7.2	1.2 - 2.4	6.4 - 8.6	6.8 - 9.4	7.3 - 10.1	7.7 - 10.7	8.2 - 11.2
		NC		-	-	24	30	34	37	40
0.18	600 x 300 700 x 250 750 x 250 900 x 200	CMH		1296	1620	1944	2268	2592	2916	3240
		Throw (m)	0°	8.7 - 15.2	10.9 - 16.8	12.8 - 18.5	14.3 - 19.9	15.4 - 21.3	16.4 - 23.0	17.1 - 24.0
			22°	7.0 - 12.2	8.7 - 13.5	10.2 - 14.7	11.3 - 15.8	12.3 - 16.9	13.0 - 18.5	13.7 - 19.3
			45°	4.3 - 7.5	5.4 - 8.3	6.5 - 9.3	7.3 - 9.9	7.6 - 10.7	8.2 - 11.5	8.5 - 11.9
		NC		-	21	25	30	35	38	41
0.20	650 x 300 700 x 300 800 x 250 1000 x 200	CMH		1440	1800	2160	2520	2880	3240	3600
		Throw (m)	0°	9.2 - 16.0	11.4 - 17.9	13.6 - 19.6	14.9 - 21.0	16.2 - 22.6	17.1 - 24.0	18.0 - 25.2
			22°	7.5 - 12.8	9.1 - 14.3	10.8 - 15.5	12.0 - 16.7	13.0 - 18.0	13.7 - 19.3	14.3 - 20.1
			45°	4.5 - 7.9	5.7 - 8.7	6.8 - 9.8	7.5 - 10.5	8.0 - 11.3	8.5 - 11.9	8.9 - 12.7
		NC		-	21	25	30	35	38	41
0.225	750 x 300 800 x 300 850 x 300 900 x 250	CMH		1620	2025	2430	2835	3240	3645	4050
		Throw (m)	0°	9.8 - 16.8	12.0 - 19.0	14.5 - 20.7	15.0 - 22.3	17.1 - 24.0	18.1 - 25.5	19.1 - 26.8
			22°	7.9 - 13.5	9.6 - 15.2	11.4 - 16.4	12.7 - 17.8	13.8 - 19.2	14.7 - 20.3	15.6 - 21.2
			45°	4.8 - 8.2	6.0 - 9.4	7.2 - 10.3	7.9 - 11.0	8.4 - 11.9	9.0 - 12.9	9.5 - 13.5
		NC		-	22	26	31	36	39	41
0.25	850 x 300 1000 x 250	CMH		1800	2250	2700	3150	3600	4050	4500
		Throw (m)	0°	10.2 - 17.8	12.6 - 16.7	15.0 - 21.6	17.0 - 23.5	17.9 - 25.2	19.0 - 26.7	20.1 - 28.2
			22°	8.2 - 14.3	10.0 - 15.9	11.8 - 17.2	13.5 - 18.7	14.4 - 20.1	15.3 - 21.3	16.1 - 22.4
			45°	5.0 - 8.7	6.2 - 9.7	7.4 - 10.7	8.4 - 11.6	8.8 - 12.6	9.5 - 13.5	10.0 - 14.2
		NC		-	22	27	32	36	39	42
0.27	900 x 300	CMH		1944	2430	2915	3402	3888	4374	4860
		Throw (m)	0°	10.5 - 18.5	13.1 - 20.7	15.6 - 22.7	17.5 - 24.5	18.7 - 26.3	19.8 - 27.8	21.0 - 29.2
			22°	8.5 - 14.7	10.5 - 16.5	12.4 - 18.0	14.0 - 19.5	15.0 - 21.0	15.9 - 22.2	16.8 - 23.3
			45°	5.3 - 9.2	6.5 - 10.2	7.7 - 11.3	8.7 - 12.2	9.3 - 13.0	9.9 - 13.9	10.5 - 14.6
		NC		-	22	27	32	36	39	42
0.30	1000 x 300	CMH		2160	2700	3240	3780	4320	4860	5400
		Throw (m)	0°	11.0 - 19.5	13.7 - 21.6	16.3 - 24.1	18.5 - 26.0	19.6 - 27.7	20.9 - 29.3	22.2 - 31.0
			22°	8.9 - 15.5	11.0 - 17.3	13.0 - 19.2	14.9 - 20.7	15.8 - 22.2	16.8 - 23.4	17.8 - 24.6
			45°	5.5 - 9.7	6.7 - 10.7	8.0 - 12.0	9.3 - 12.9	9.9 - 13.8	10.5 - 14.6	11.0 - 15.4
		NC		-	23	28	32	37	40	43

- Throw is based on terminal velocities of 0.5 m/s - 0.25 m/s respectively.
- NC value is based on a room absorption of 10 dB, re 10^{-12} watts.
- Dash (-) in space indicates NC value less than 20.

GV-FA & GH-FA
Double Deflection Grille

GV-FA & GH-FA Performance Data (4)

Neck Size Area (m^2)	Neck Size (mm x mm)	Neck Vel. (m/s)		2.0	2.5	3.0	3.5	4.0	4.5	5.0
		Total Press (mmAq)	0°	0.8	1.2	1.7	2.2	3.0	3.8	4.6
			22°	0.9	1.4	1.9	2.5	3.5	4.2	5.2
			45°	1.3	2.1	2.8	3.8	5.0	6.4	7.8
0.40	900 x 450	CMH		2916	3645	4374	5103	5832	6561	7290
		Throw (m)	0°	11.5 - 20.4	14.3 - 22.6	17.1 - 25.2	19.4 - 27.2	20.5 - 29.0	21.9 - 30.8	23.2 - 32.4
			22°	9.3 - 16.2	11.5 - 18.1	13.6 - 20.1	15.6 - 21.7	16.5 - 23.2	17.6 - 24.6	18.6 - 25.7
			45°	5.8 - 10.1	7.0 - 11.2	8.4 - 12.6	9.7 - 13.5	10.4 - 14.4	11.0 - 15.3	11.5 - 16.1
		NC		-	24	28	33	38	41	45
0.42	1200 x 350	CMH		3024	3780	4536	5292	6048	6804	7560
		Throw (m)	0°	11.8 - 20.8	14.6 - 23.1	17.4 - 25.7	19.8 - 27.8	20.9 - 29.6	22.3 - 31.3	23.7 - 33.1
			22°	9.5 - 16.6	11.8 - 18.5	13.9 - 20.5	15.9 - 22.1	16.9 - 23.7	17.9 - 25.0	19.0 - 26.3
			45°	5.9 - 10.4	7.2 - 11.4	8.5 - 12.8	9.9 - 13.8	10.6 - 14.7	11.2 - 15.6	11.8 - 16.5
		NC		20	24	28	34	38	42	45
0.45	900 x 500	CMH		3240	4050	4860	5670	6480	7290	8100
		Throw (m)	0°	12.1 - 21.5	15.1 - 23.8	18.0 - 26.6	20.4 - 28.7	21.6 - 30.6	23.1 - 32.3	24.5 - 34.2
			22°	9.8 - 17.1	12.1 - 19.1	14.3 - 21.2	16.4 - 22.8	17.4 - 24.5	18.5 - 25.8	19.6 - 27.1
			45°	6.1 - 10.7	7.4 - 11.8	8.8 - 13.2	10.3 - 14.2	10.9 - 15.2	11.6 - 16.1	12.1 - 17.0
		NC		20	24	29	34	38	42	45
0.48	1200 x 400	CMH		3456	4320	5184	6048	6912	7776	8640
		Throw (m)	0°	12.5 - 22.2	15.6 - 24.6	18.5 - 27.4	21.0 - 29.6	22.3 - 31.5	23.8 - 33.3	25.3 - 35.3
			22°	10.1 - 17.6	12.5 - 19.7	14.8 - 21.8	17.0 - 23.6	10.8 - 25.3	19.1 - 26.6	20.3 - 28.0
			45°	6.3 - 11.0	7.6 - 12.2	9.1 - 13.7	10.6 - 14.7	11.3 - 15.7	11.9 - 16.6	12.5 - 17.5
		NC		21	25	30	35	39	42	47
0.60	1200 x 500	CMH		4320	5400	6480	7560	8640	9720	10800
		Throw (m)	0°	13.9 - 24.7	17.3 - 27.3	20.6 - 30.5	23.4 - 32.9	24.8 - 35.0	26.4 - 37.0	28.1 - 39.2
			22°	11.3 - 19.6	13.9 - 21.9	16.4 - 24.3	18.8 - 26.2	20.0 - 28.1	21.2 - 29.6	22.5 - 31.1
			45°	7.0 - 12.3	8.5 - 13.5	10.1 - 15.2	11.8 - 16.3	12.5 - 17.4	13.3 - 18.5	13.9 - 19.5
		NC		22	26	30	35	40	43	48

- Throw is based on terminal velocities of 0.5 m/s - 0.25 m/s respectively.
- NC value is based on a room absorption of 10 dB, re 10^{-12} watts.
- Dash (-) in space indicates NC value less than 20.

GV-FA & GH-FA
Double Deflection Grille

GV-FA & GH-FA Performance Data (5)

Neck Size Area (m^2)	Neck Size (mm x mm)	Neck Vel. (m/s)		2.0	2.5	3.0	3.5	4.0	4.5	5.0
		Total Press (mmAq)	0°	0.8	1.2	1.7	2.2	3.0	3.8	4.6
			22°	0.9	1.4	1.9	2.5	3.5	4.2	5.2
			45°	1.3	2.1	2.8	3.8	5.0	6.4	7.8
0.72	1200 x 600	CMH		5184	6480	7776	9072	10368	1164	12960
		Throw (m)	0°	15.2 - 26.9	18.9 - 29.8	22.5 - 33.2	25.5 - 35.8	27.0 - 38.2	28.8 - 40.4	30.6 - 42.7
			22°	12.3 - 21.4	15.2 - 23.8	17.9 - 26.5	20.5 - 28.5	21.8 - 30.6	23.2 - 32.3	24.5 - 33.9
			45°	7.6 - 13.4	9.2 - 14.7	11.0 - 16.5	12.8 - 17.8	13.6 - 19.0	14.5 - 20.1	15.2 - 21.2
		NC		2	26	31	36	41	44	49
0.84	1200 x 700	CMH		6048	7560	9072	10584	12096	13608	15120
		Throw (m)	0°	16.9 - 29.2	20.8 - 32.2	24.5 - 35.8	27.7 - 38.5	29.3 - 41.0	31.2 - 43.3	33.1 - 45.8
			22°	13.9 - 23.4	16.9 - 26.0	19.8 - 28.7	22.5 - 30.9	23.8 - 33.1	25.3 - 34.8	26.7 - 36.5
			45°	8.9 - 15.0	10.7 - 16.5	12.6 - 18.3	14.4 - 19.6	15.3 - 20.9	16.2 - 22.1	16.9 - 23.2
		NC		22	27	32	36	42	45	49
0.96	1200 x 800	CMH		6912	8640	10368	12096	13824	15552	17280
		Throw (m)	0°	17.9 - 31.0	22.1 - 34.2	26.0 - 38.0	29.4 - 41.0	31.1 - 43.6	33.1 - 46.0	35.1 - 48.6
			22°	14.7 - 24.8	17.9 - 27.6	21.0 - 30.5	23.9 - 32.8	25.3 - 35.1	26.8 - 37.0	28.4 - 38.8
			45°	9.5 - 15.9	11.3 - 17.4	13.3 - 19.4	15.3 - 20.8	16.2 - 22.2	17.1 - 23.4	17.9 - 24.7
		NC		23	28	32	37	42	45	50
1.20	1200 x 1000	CMH		8640	10800	12960	15120	17280	19440	21600
		Throw (m)	0°	19.8 - 34.2	24.4 - 37.8	28.8 - 42.1	32.5 - 45.3	34.4 - 48.2	36.6 - 50.9	38.8 - 53.8
			22°	16.2 - 27.4	19.8 - 30.5	23.2 - 33.7	26.4 - 36.3	27.9 - 38.8	29.6 - 40.9	31.3 - 42.9
			45°	10.4 - 17.5	12.4 - 19.2	14.6 - 21.5	16.9 - 23.0	17.9 - 24.5	18.9 - 25.9	19.8 - 27.3
		NC		24	29	33	38	43	46	51

- Throw is based on terminal velocities of 0.5 m/s - 0.25 m/s respectively.
- NC value is based on a room absorption of 10 dB, re 10^{-12} watts.
- Dash (-) in space indicates NC value less than 20.

GV-FA & GH-FA Oder Code

Model	Accessories	W	H
GV-FA & GH-FA	G1	N350	150

Example : GV - FA & GH - FA + G1 - N350 x 150