

GV & GH Double Deflection Supply Air Grille

Materials

- GV-T & GH-T Frame 0.7mm, blade 3.4mm SPGC galvanized steel.
- GV-S & GH-S Frame 0.7mm, blade 0.3mm stainless steel SUS. 304.
- GV-A & GH-A Extruded aluminium A6063.

Surface Finish

- GV-T & GH-T Baked white powder coat as standard.
- GV-S & GH-S Stainless steel original colour.
- GV-A & GH-A Baked white powder coat or natural anodized.

Features

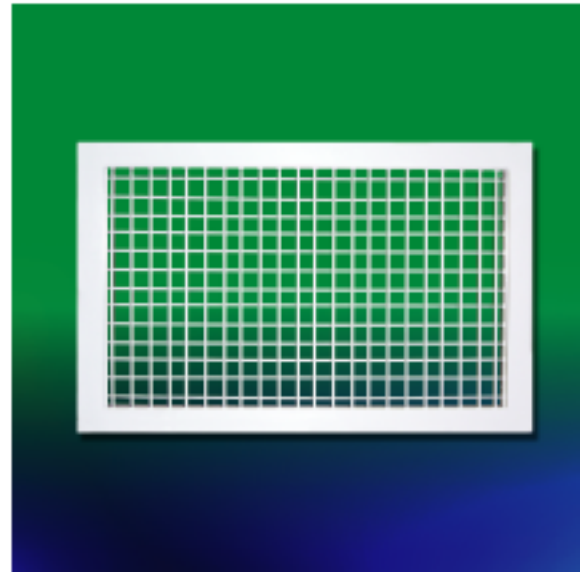
- Model GV & GH is made up of two sets of individually adjustable air foil blades.
- The grille will come in more sections for blade length that is more than 600mm.
- Non-standard sizes are available.
- Approximately 83% free area when blades are fully open.

Accessories

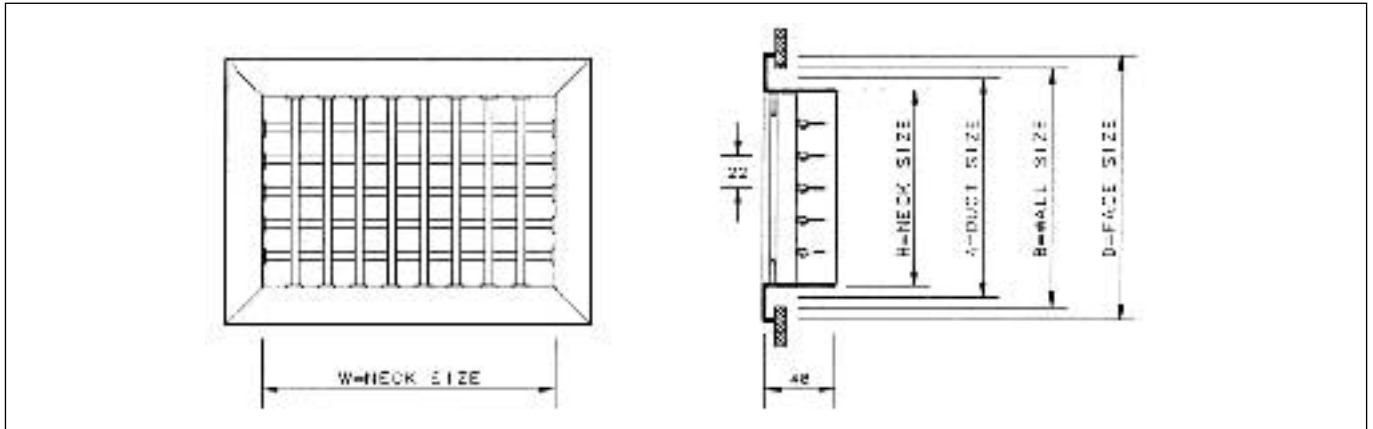
- G1 Opposed blade damper.
- G2 Volume extractor.

Models

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



GV & GH Construction Illustrations



GV & GH Physical Dimension Unit:mm

Model	Materials	Thickness		Standard Size W x H	A Duct Size	B Wall Size	D Face Size	Order Key
		Frame	Blade					
GV-T & GH-T	SPGC Steel	0.7	3.4	350 x 150 400 x 150	W+10 H+10	W+20 H+20	W+60 H+60	GV & GH - T + G1 - 350 x 150 Model Materials Accessories W H
GV-S & GH-S	Stainless Steel SUS. 304	0.7	0.3	450 x 150 500 x 150				
GV-A & GH-A	Extruded Aluminium A6063	1.0	3.8	500 x 250				

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GV+G1 & GH+G1 Opposed Blade Damper

Materials

- G1-T SPGC galvanized steel.

Surface Finish

- G1-T Matt black as standard.
- 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 & GV+G1 Physical Dimension Unit:mm

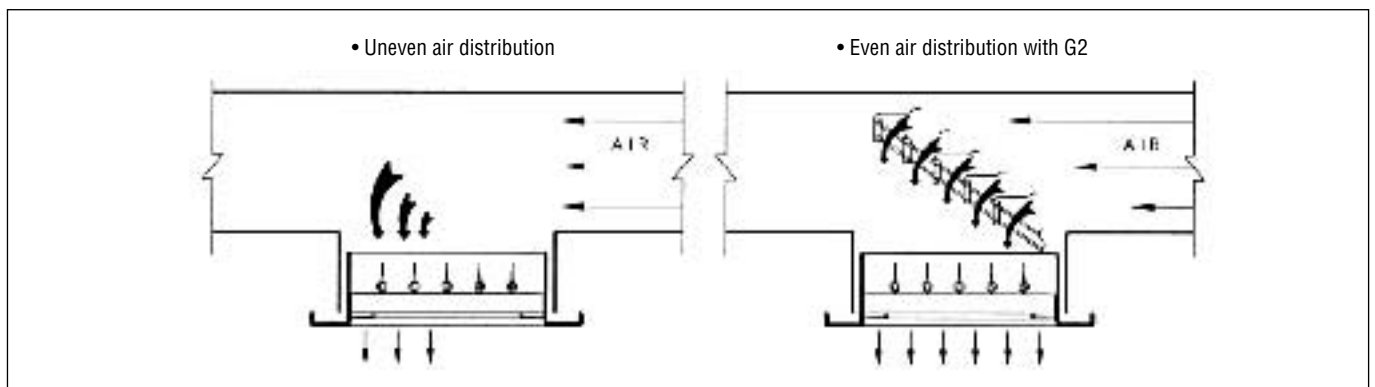
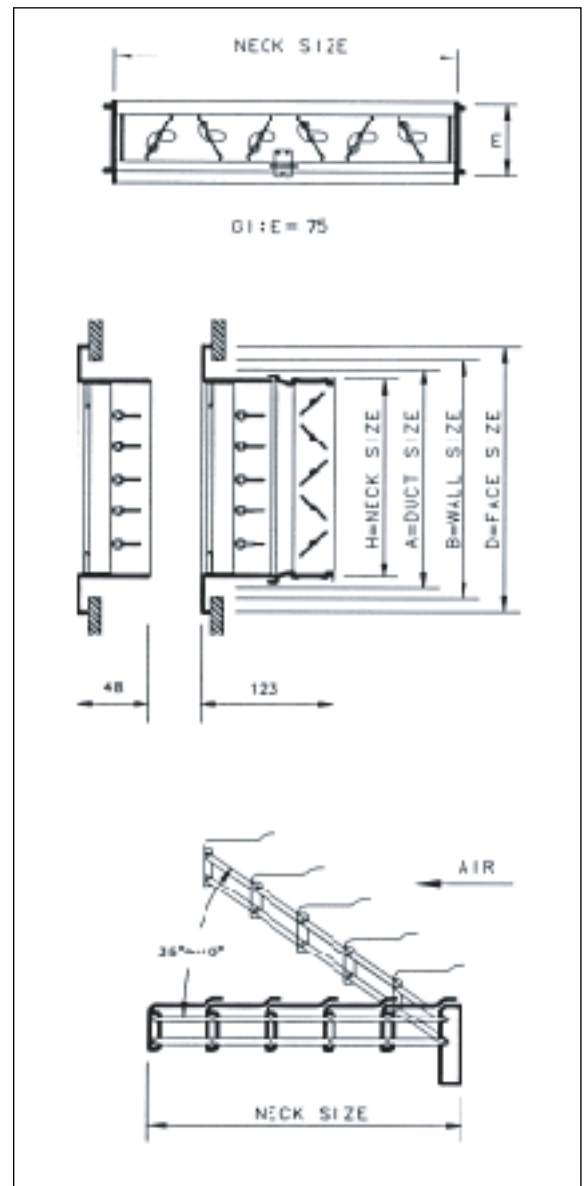
Model	Depth	Neck Size	A Duct Size	B Wall Size	D Face Size
GV	48	W x H	W+10 H+10	W+20 H+20	W+54/60 H+54/60
GV + G1	1	W x H	W+15 H+15	W+20 H+20	W+54/60 H+54/60
	A				

GH & GH+G1 Physical Dimension Unit:mm

Model	Depth	Neck Size	A Duct Size	B Wall Size	D Face Size
GH	48	W x H	W+10 H+10	W+20 H+20	W+54/60 H+54/60
GH + G1	1	W x H	W+15 H+15	W+20 H+20	W+54/60 H+54/60
	A				

GV+G2 & GH+G2 Volume Extractor

- G2 volume extractor helps in balancing by guiding a regulated amount of air for supply air grilles from the main duct & enable even air distribution over the entire surface of grille.
- Maximum angle for G2 is 35° - 40°.
- Materials for G2 is 1.0mm SPGC galvanized steel & surface finish is matt black.



GV & GH Double Deflection Supply Air Grille

■ GV & GH Performance Data (1)

Neck Size Area m ²	Neck Size mm	Neck Vel. M/S		2	2.5	3	3.5	4	4.5	5
		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	6.2-8.7	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.
- With G1 damper, the pressure loss is 1.136P, and add 2 for NC value.

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■ GV & GH Performance Data (2)

Neck Size Area m ²	Neck Size mm	Neck Vel. M/S		2	2.5	3	3.5	4	4.5	5
		Total Press (mmAq)	0°	22°	45°	0°	22°	45°	0°	22°
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 - 196.0
			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
0.1	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.
- With G1 damper, the pressure loss is 1.136P, and add 2 for NC value.

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■ GV & GH Performance Data (3)

Neck Size Area m ²	Neck Size mm	Neck Vel. M/S		2	2.5	3	3.5	4	4.5	5
		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	4.9 - 7.5	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
0.2	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
0.3	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.
- With G1 damper, the pressure loss is 1.136P, and add 2 for NC value.

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■ GV & GH Performance Data (4)

Neck Size Area m ²	Neck Size mm	Vel. M/S		2	2.5	3	3.5	4	4.5	5
		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	
0.4	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
0.6	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
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
1.2	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.
- With G1 damper, the pressure loss is 1.136P, and add 2 for NC value.