

Curved Vane Diffusers

Description

For supply or extract air, having fully adjustable curved vanes which can be set to give a horizontal or vertical throw. Available in a range of different core styles and sizes giving total flexibility for ceiling supply applications.

Construction

From extruded aluminium sections, frame 1.6mm thick, vanes 5mm thick tapering to 0.5mm. Hairline mitres mechanically held. Optional OBD is of extruded aluminium.

Size and Weight

From 150 x 150 to 1200 x 1200 in 25mm increments for 1 and 2 way core styles and from 250 x 250 to 1200 x 1200 in 25mm increments for 3 and 4 way core styles.
Grille only 8.5kg/m². Grille and OBD 16.5kg/m².

How to Specify

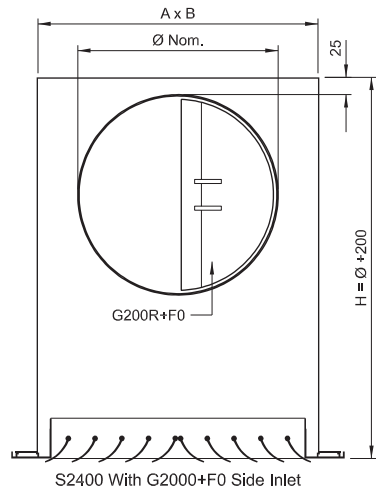
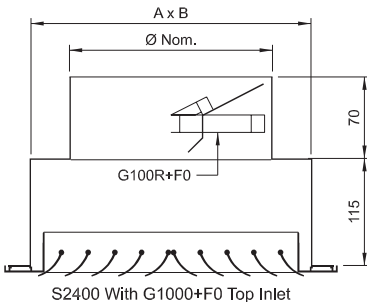
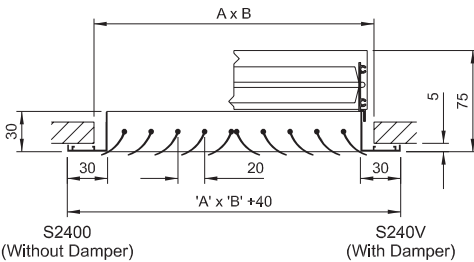
STATE QUANTITY, THE PRODUCT CODING AND THE SIZE WIDTH X HEIGHT
e.g. 10 Qty. S220V+2C 300 x 150.



Frame Style	Core	Options	Accessories
S 30mm Flange	24 4 - Way	0 None	0 None
	23 3 - Way	H Hinged Core	V Damper
	22 2 - way	R Removable Core	
	21 1 - Way		

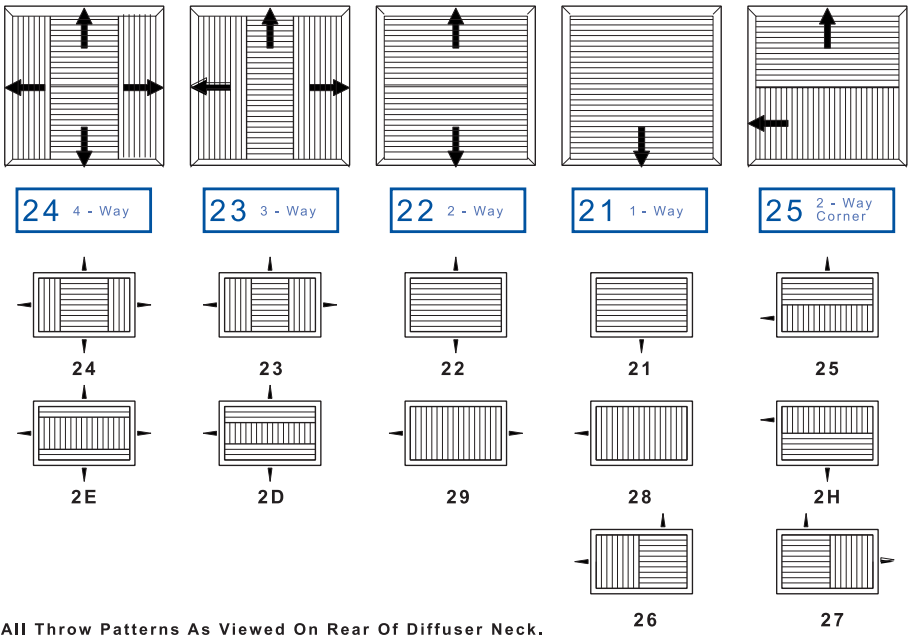


Fixings	Finish
1 Flange Holes	A Satin Anodised
5 Clip-in T-Bar	B PPC RAL 9010 Gloss White
6 Lay-in Tile Replacer	C PPC BS / RAL Colour
2 Neck Fixings	D Mill Finish



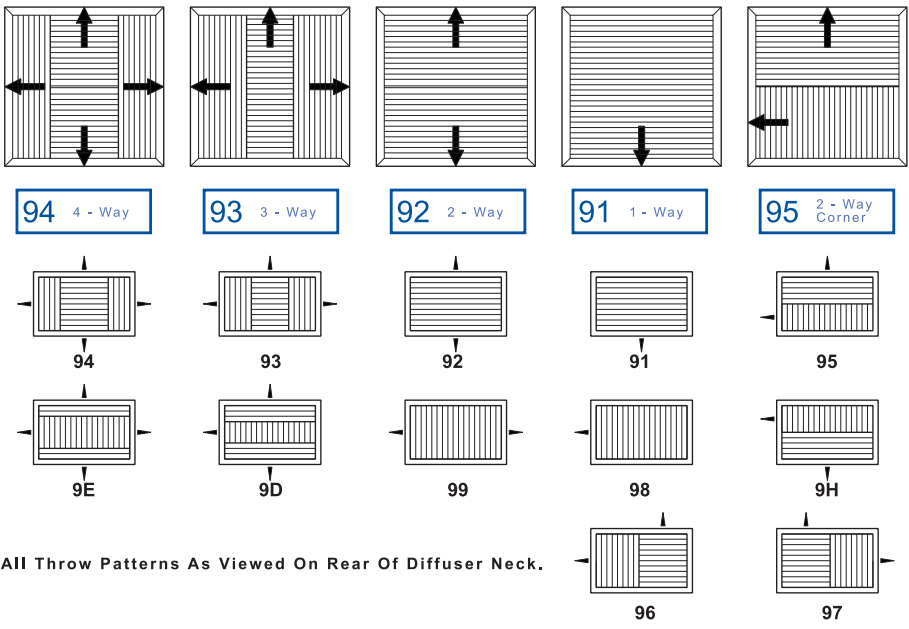
Curved Vane Diffuser Core Options

Core



All Throw Patterns As Viewed On Rear Of Diffuser Neck.

Angled Vane Diffuser Core Options

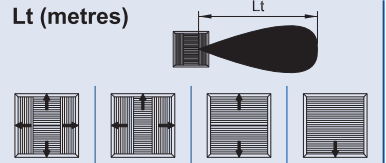
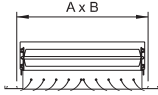


All Throw Patterns As Viewed On Rear Of Diffuser Neck.

Technical Data Curved / Angled Vane Diffusers

S240V Curved Vane Diffusers

S940V Angled Vane Diffusers - Multiply Throw x 0.8 and -2NC



q (l/s)	Aperture A x B (mm)	Vn (M/s)	Ps (Pascals)	NC	24 (4 - Way)	23 (3 - Way)	22 (2 - Way)	21 (1 - Way)
20	150 x 150	0.9	5	19	-	-	1.0 - 2.0	1.4 - 2.4
	150 x 150	1.3	9	25	-	-	1.4 - 2.6	1.8 - 3.5
	200 x 150	1.0	5	18	-	-	1.0 - 2.0	1.5 - 2.8
40	150 x 150	1.8	17	30	-	-	1.6 - 3.4	2.3 - 4.6
	200 x 150	1.3	12	23	-	-	1.4 - 2.8	2.0 - 3.8
	200 x 150	1.7	16	30	-	-	1.7 - 3.5	2.5 - 5.0
50	200 x 200	1.3	8	22	-	-	1.5 - 3.0	2.0 - 4.0
	300 x 150	1.1	5	20	-	-	1.4 - 2.8	2.0 - 4.0
	200 x 150	2.0	23	35	-	-	2.2 - 4.0	2.9 - 5.8
60	200 x 200	1.5	12	26	-	-	1.8 - 3.6	2.6 - 5.0
	300 x 150	1.3	11	24	-	-	2.0 - 4.0	2.5 - 4.8
	250 x 200	1.2	5	20	-	-	1.8 - 3.3	2.2 - 4.3
	200 x 200	2.0	24	36	-	-	2.6 - 5.3	3.7 - 7.2
75	300 x 200	1.3	13	27	-	-	2.0 - 4.0	3.0 - 6.0
	250 x 250	0.8	13	27	1.0 - 1.6	1.5 - 3.0	2.0 - 4.0	3.0 - 6.0
	400 x 200	1.0	7	22	-	-	1.8 - 3.3	2.7 - 5.4
100	300 x 200	1.7	18	32	-	-	3.0 - 5.5	3.8 - 7.0
	250 x 250	1.6	18	32	1.5 - 3.0	1.8 - 3.6	3.0 - 5.5	3.8 - 7.0
	400 x 200	1.3	10	27	-	-	2.5 - 4.8	3.4 - 6.2
	300 x 300	1.1	6	22	1.0 - 2.0	1.5 - 3.0	2.1 - 4.0	3.0 - 5.4
125	250 x 250	1.9	28	38	1.8 - 3.6	2.3 - 4.6	3.3 - 6.6	4.0 - 8.7
	300 x 300	1.3	10	28	1.4 - 2.8	1.8 - 3.5	3.0 - 5.5	3.6 - 7.4
	400 x 250	1.2	7	23	1.2 - 2.4	1.5 - 3.0	2.6 - 4.8	3.2 - 6.7
	350 x 350	1.0	6	22	1.0 - 2.2	1.3 - 2.6	2.2 - 4.3	2.8 - 6.0
150	300 x 300	1.7	17	32	1.8 - 3.2	2.5 - 4.6	3.5 - 7.0	4.5 - 8.8
	400 x 250	1.5	12	29	1.5 - 2.6	2.0 - 4.0	3.0 - 6.0	4.0 - 8.0
	350 x 350	1.2	9	26	1.3 - 2.2	1.7 - 3.4	2.6 - 5.0	3.6 - 7.0
	500 x 300	1.0	4	21	1.1 - 2.0	1.3 - 2.8	2.2 - 4.5	3.0 - 6.0
	400 x 400	0.9	4	21	1.0 - 1.8	1.3 - 2.8	2.2 - 4.5	3.0 - 6.0
175	300 x 300	2.0	22	36	2.3 - 4.0	2.8 - 5.0	4.0 - 7.6	5.0 - 9.4
	400 x 250	1.8	16	33	1.8 - 3.4	2.4 - 4.6	3.6 - 7.0	4.6 - 9.0
	350 x 350	1.5	12	30	1.5 - 3.0	2.0 - 4.0	3.3 - 6.5	4.2 - 8.3
	500 x 300	1.2	8	24	1.2 - 2.5	1.7 - 3.4	3.0 - 6.0	3.6 - 7.4
	400 x 400	1.1	8	24	1.1 - 2.2	1.6 - 3.2	3.0 - 6.0	3.8 - 7.6
200	350 x 350	1.7	18	34	1.8 - 3.7	2.5 - 5.0	3.8 - 7.5	5.0 - 9.5
	500 x 300	1.4	13	31	1.5 - 3.2	2.2 - 4.5	3.5 - 6.8	4.3 - 8.4
	400 x 400	1.3	11	27	1.5 - 3.2	2.0 - 4.0	3.2 - 6.3	4.0 - 8.0
	600 x 300	1.2	5	21	1.5 - 3.0	2.0 - 4.0	3.0 - 6.0	3.5 - 7.2
	450 x 450	1.1	3	18	1.0 - 2.0	1.5 - 3.0	2.3 - 4.0	2.8 - 5.0
250	350 x 350	2.0	23	37	2.6 - 4.8	3.0 - 5.8	4.8 - 9.5	6.0 - 12.0
	400 x 400	1.6	14	33	2.2 - 4.0	2.6 - 5.3	3.9 - 7.6	4.7 - 9.0
	600 x 300	1.4	9	28	1.8 - 3.5	2.3 - 4.8	3.6 - 7.0	4.3 - 8.7
	450 x 450	1.3	5	24	1.5 - 2.7	1.8 - 3.8	3.0 - 5.8	3.5 - 7.0
300	400 x 400	1.9	19	36	2.6 - 4.8	3.2 - 6.5	4.8 - 9.0	5.8 - 11.5
	600 x 300	1.7	14	33	2.2 - 4.2	2.8 - 6.0	4.3 - 8.5	5.4 - 10.5
	450 x 450	1.5	10	26	1.8 - 3.6	2.3 - 4.6	3.7 - 5.2	4.6 - 9.2
	500 x 400	1.5	10	24	1.8 - 3.6	2.3 - 4.6	3.7 - 5.2	4.6 - 9.2
350	600 x 300	2.0	22	36	2.7 - 5.4	3.4 - 6.8	5.3 - 10.0	6.6 - 13.0
	450 x 450	1.8	17	32	2.4 - 4.8	3.0 - 6.2	4.8 - 9.0	5.8 - 10.8
	500 x 500	1.4	8	27	2.1 - 4.3	2.6 - 5.5	4.2 - 8.4	5.2 - 9.5
	550 x 550	1.2	5	23	1.7 - 3.5	2.2 - 4.6	3.5 - 7.0	4.5 - 8.0
400	450 x 450	2.0	23	36	3.2 - 6.5	4.0 - 7.5	5.7 - 10.6	7.0 - 13.0
	500 x 500	1.6	15	33	2.6 - 5.0	3.3 - 6.5	5.0 - 9.2	6.7 - 11.0
	550 x 550	1.3	9	28	2.0 - 4.0	2.5 - 5.2	4.0 - 8.2	5.3 - 10.5
	600 x 600	1.1	6	26	1.8 - 3.6	2.3 - 4.8	3.6 - 7.2	4.8 - 9.6
450	500 x 500	1.8	21	40	3.0 - 6.0	3.8 - 7.6	5.7 - 10.6	7.3 - 14.0
	555 x 550	1.5	17	33	2.7 - 5.4	3.3 - 7.0	5.0 - 10.0	6.7 - 12.5
	600 x 600	1.3	9	28	2.0 - 4.0	2.5 - 5.0	4.0 - 8.0	5.5 - 10.5
500	550 x 550	1.7	24	36	3.3 - 6.0	3.8 - 7.8	5.5 - 10.8	7.3 - 13.8
	600 x 600	1.4	13	30	2.5 - 5.0	3.2 - 6.4	5.0 - 9.4	6.8 - 13.0