

# Angled Vane Diffusers

## Description

For supply or extract air, having fully adjustable angled vanes which can be set to give a horizontal or vertical throw. Has the added benefit of non-shut off vanes and a shorter throw. Available in a range of 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 1.3mm. 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 8.9kg/m<sup>2</sup>, Grille + OBD 16.9kg/m<sup>2</sup>



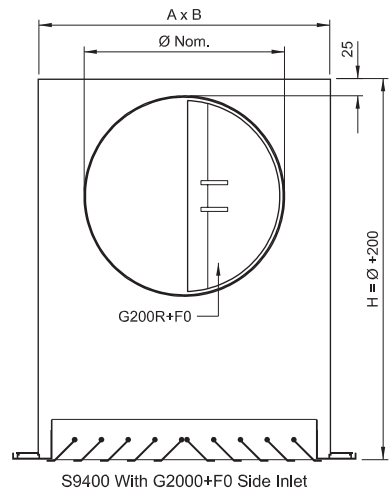
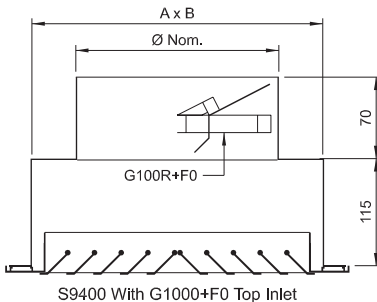
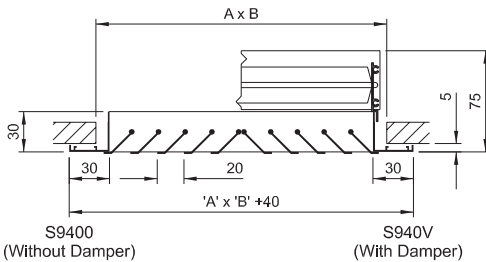
## How to Specify

STATE QUANTITY, THE PRODUCT CODING AND THE SIZE WIDTH X HEIGHT

e.g. 10 Qty. S920V+2C 300 x 150.

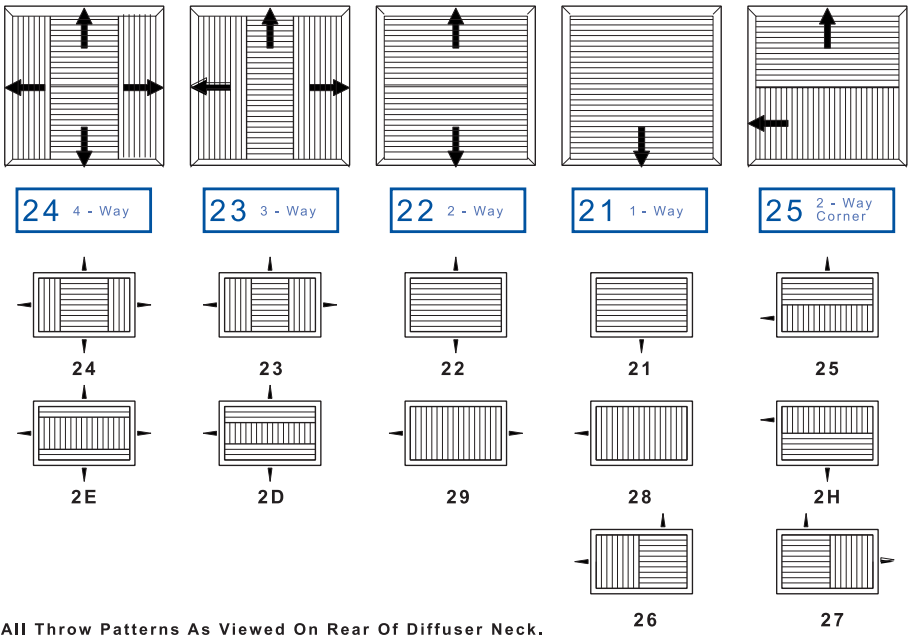
Frame Style	Core	Options	Accessories
<b>S</b> 30mm Flange	<b>94</b> 4 - Way	<b>0</b> None	<b>0</b> None
	<b>93</b> 3 - Way		<b>V</b> Damper
	<b>92</b> 2 - way		
	<b>91</b> 1 - Way		

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



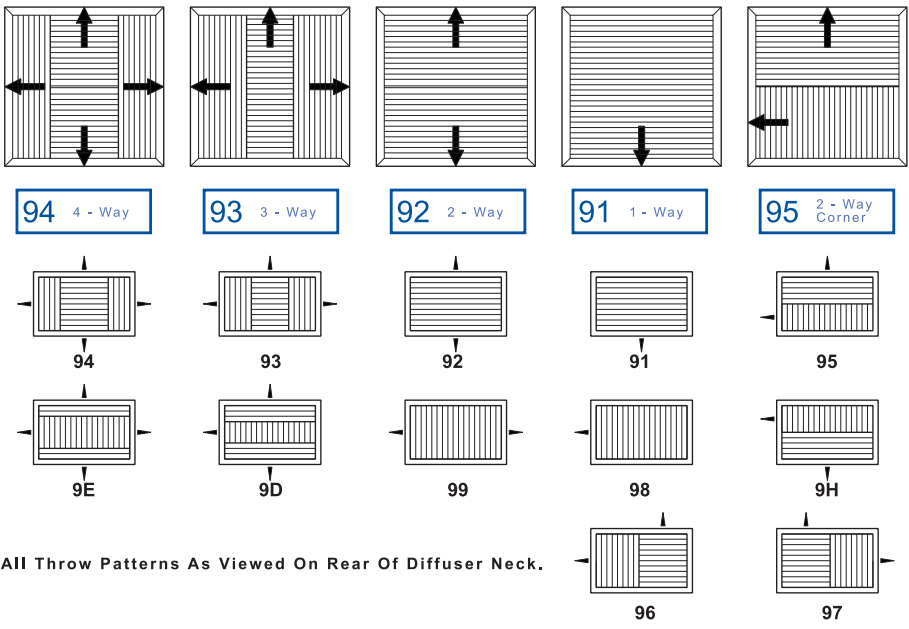
# Curved Vane Diffuser Core Options

## Core



All Throw Patterns As Viewed On Rear Of Diffuser Neck.

# Angled Vane Diffuser Core Options

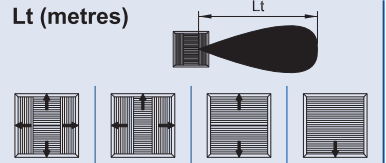
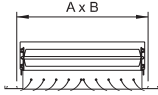


All Throw Patterns As Viewed On Rear Of Diffuser Neck.

# 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
30	200 x 150	1.0	5	18	-	-	1.0 - 2.0	1.5 - 2.8
	150 x 150	1.8	17	30	-	-	1.6 - 3.4	2.3 - 4.6
40	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
200	400 x 400	1.1	8	24	1.1 - 2.2	1.6 - 3.2	3.0 - 6.0	3.8 - 7.6
	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
250	450 x 450	1.1	3	18	1.0 - 2.0	1.5 - 3.0	2.3 - 4.0	2.8 - 5.0
	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
300	450 x 450	1.3	5	24	1.5 - 2.7	1.8 - 3.8	3.0 - 5.8	3.5 - 7.0
	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