

FIXED VANE SWIRL DIFFUSERS



Fixed vane swirl diffuser constructed from zintec sheet and spun aluminium.

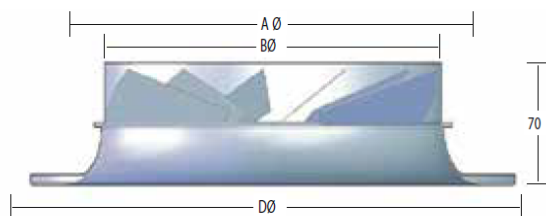
The curved frame model gives horizontal air distribution.

The flush framed model is suitable for greater downwards projection.

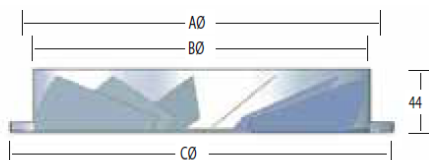


Multiple Variations

RSW - 12 - C Circular

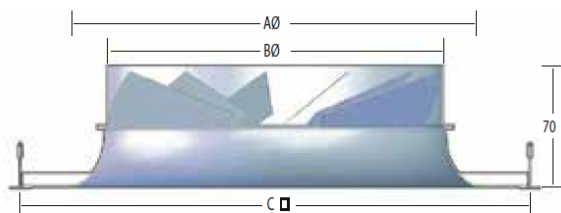


FSW - 12 - C Circular

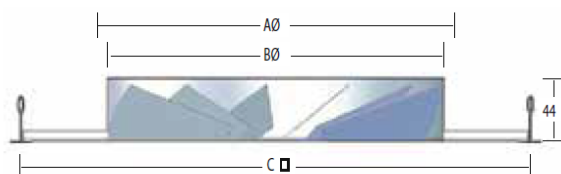


Size	A	B	C	D
160	160	158	198	250
200	200	198	248	300
250	250	248	298	350
315	315	312	363	450
350	350	347	398	500
400	400	398	600	570

RSW - 12 - L Square



FSW - 12 - L Square



Size	A	B	C
160	160	158	594
200	200	198	594
250	250	248	594
315	315	312	594
400	400	398	594

How to Order

Type	No of Blades	Edge Detail	Size	Overall Size	RAL Colour
RSW	12	L - Lay-In Grid C - Circular Frame	160 250 315 350 400	e.g. 594 x 594	e.g. RAL 9010

e.g. 10 No RSW - 12 - L - 400 - 594 x 594 - RAL 9010

Performance Data

Size								
160 Dia	Air Volume l/s	20	30	40	50	60	70	80
	Throw (Vt 0.25 m/s)	0.6	1.0	1.3	1.6	1.9	2.3	2.6
	Throw (Vt 0.5 m/s)	0.3	0.5	0.6	0.8	1.0	1.1	1.3
	Pressure Drop (Pa)	4	10	18	28	40	54	71
	NC Level	<15	19	27	34	39	43	47
200 Dia	Air Volume l/s	30	40	50	60	70	80	100
	Throw (Vt 0.25 m/s)	0.8	1.1	1.4	1.7	2.0	2.2	2.8
	Throw (Vt 0.5 m/s)	0.5	0.6	0.7	0.8	1.0	1.1	1.4
	Pressure Drop (Pa)	6	11	17	24	33	43	67
	NC Level	<15	18	25	30	34	38	44
250 Dia	Air Volume l/s	60	80	100	120	140	160	180
	Throw (Vt 0.25 m/s)	1.4	1.8	2.3	2.7	3.2	3.6	4.1
	Throw (Vt 0.5 m/s)	0.6	0.8	1.1	1.3	1.5	1.7	2.0
	Pressure Drop (Pa)	10	17	27	39	53	70	88
	NC Level	16	24	30	35	40	43	47
315 Dia	Air Volume l/s	80	100	120	150	180	200	220
	Throw (Vt 0.25 m/s)	1.5	1.8	2.2	2.7	3.3	3.6	4.0
	Throw (Vt 0.5 m/s)	0.7	0.9	1.2	1.4	1.6	1.8	2.0
	Pressure Drop (Pa)	6	9	13	20	29	36	43
	NC Level	20	26	31	38	43	46	48
350 Dia	Air Volume l/s	100	125	150	175	200	225	
	Throw (Vt 0.25 m/s)	1.9	2.4	2.8	3.3	3.8	4.2	
	Throw (Vt 0.5 m/s)	0.9	1.2	1.4	1.6	1.9	2.1	
	Pressure Drop (Pa)	6	10	16	20	26	33	
	NR Level	24	30	36	40	44	47	
400 Dia	Air Volume l/s	150	180	200	220	250	280	300
	Throw (Vt 0.25 m/s)	2.3	2.7	3.0	3.3	3.8	4.2	4.5
	Throw (Vt 0.5 m/s)	1.1	1.3	1.5	1.7	1.9	2.1	2.3
	Pressure Drop (Pa)	12	17	21	25	32	41	47
	NC Level	32	37	40	42	46	49	51

NOTE:

All throws based on terminal velocities of 0.5 - 0.25 m/s

For Return Air Applications Multiply Pa x 0.75, NC Levels remain the same

Minimum spacing between diffusers = Throw(Vt0.5m/s) x 2 based on a 2.7 metre mounting height.

(Example - Size 315, 120l/s, From chart 1.2m Throw(Vt0.5m/s) x2 = 2.4m Min. Spacing at 2700 C Ht.)

Other products to consider in our range...



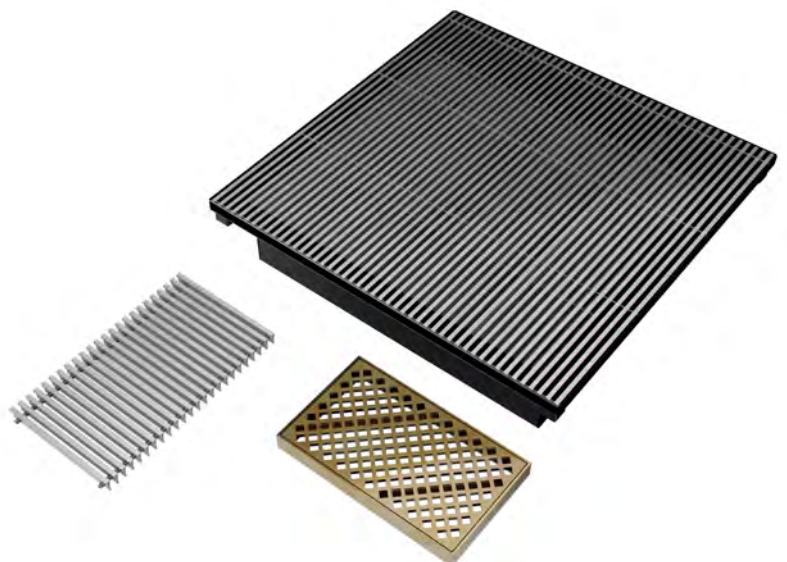
Swirl Diffusers



Acoustic Louvres



Plaster-In Products



Floor Grilles