

Fixed Vane Swirl Diffuser - Circular

Model RSW



The Polyaire Fixed Vane Swirl Diffusers are an attractive and aerodynamically efficient alternative to conventional circular ceiling air terminals. The diffusers are designed to produce a horizontal, radial air pattern with a turbulent, high induction jet characteristic and are ideally suited for applications with high heating or cooling differentials.

Manufactured from zintec sheet

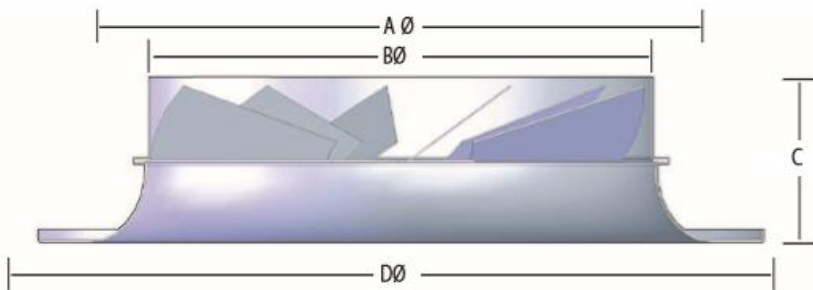
Standard finish RAL 9010

Also available in Mill Finish

Other RAL colours available to your requirements.

Non-stock item / Made to order

RSW - Circular



Item #	Size	A	B	C	D
247555	160	16	158	70	250
247556	200	20	198	70	300
247557	250	250	248	70	350
247558	315	315	312	70	450
247559	350	350	347	70	500
247560	400	400	398	70	570

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PERFORMANCE DETAILS

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)							
	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

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