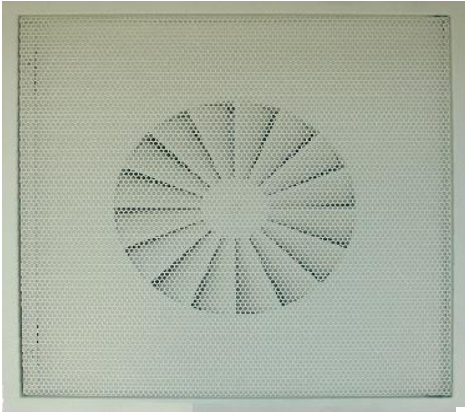


Perforated Face Swirl Diffuser - Square

Model PSW

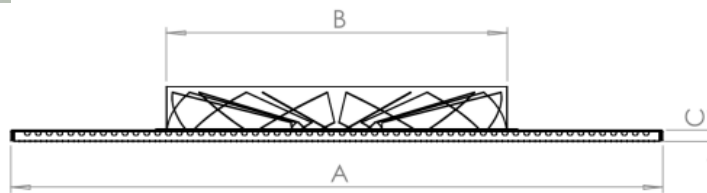


The Polyaire Square Perforated Fixed Swirl Diffusers are suitable for supply of air with a large temperature differential, making these units ideal for Fan Coil Units, VAV and VRF Systems. The rotating supply air pattern provides a high degree of induction making these diffusers well suited to supply both warm and cool air.

Manufactured from galvanised steel

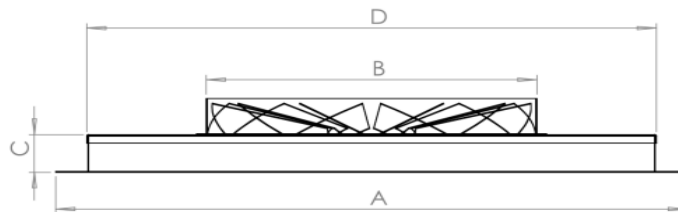
Standard finish RAL 9010.
Other RAL colours available to your requirements.

Lay-in Ceiling Type



Item #	Size	A	BØ	C
248108	160	595x595	157	10mm
TBC	200	595x595	197	10mm
248109	250	595x595	247	10mm
TBC	300	595x595	297	10mm
248110	315	595x595	312	10mm
248111	400	595x595	397	10mm
248112	450	595x595	447	10mm

Hinged Face Type



Item #	Size	A	BØ	C	D
248113	160	595x595	157	40mm	540x540
TBC	200	595x595	197	40mm	540x540
248114	250	595x595	247	40mm	540x540
TBC	300	595x595	297	40mm	540x540
248115	315	595x595	312	40mm	540x540
248116	400	595x595	397	40mm	540x540
248117	450	595x595	447	40mm	540x540

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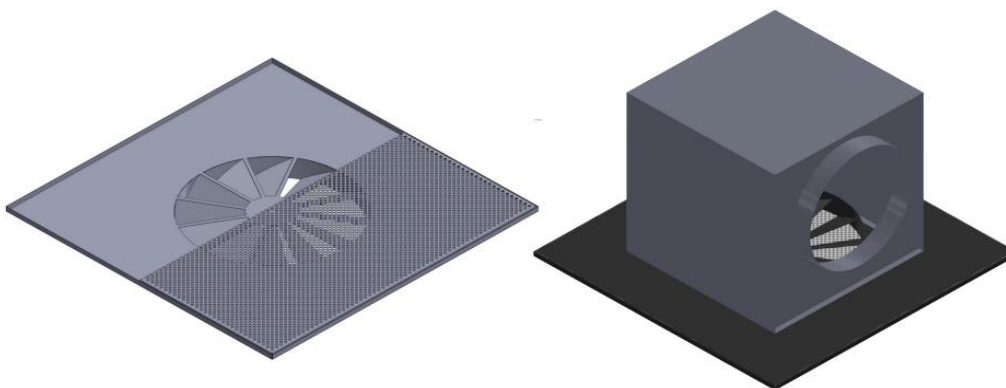
Units 3 & 4, Torridge Close,
Telford Way Business Park,
Kettering, Northants,
ENGLAND, NN16 8PY
Telephone: 01536 519922
sales@polyaire.co.uk

PERFORMANCE DETAILS

Size		20	25	30	35	40	45	50	55	60
160 DIA	L/s	20	25	30	35	40	45	50	55	60
	Throw m 0.25 - 0.5 m/s	0.3 - 0.5	0.4 - 0.7	0.5 - 0.9	0.6 - 1.1	0.6 - 1.3	0.7 - 1.4	1.0 - 1.6	1.0 - 1.7	1.2 - 1.9
	Pa	6	10	14	20	26	33	40	49	58
	NR		18	23	28	31	35	38	40	43
200 DIA	L/s	30	35	40	45	50	55	60	70	80
	Throw m 0.25 - 0.5 m/s	1.0 - 0.5	1.1 - 0.6	1.3 - 0.7	1.5 - 0.7	1.6 - 0.8	1.8 - 0.9	2.0 - 1.0	2.3 - 1.1	2.6 - 1.3
	Pa	7	10	12	16	19	24	28	38	50
	NR	10	15	18	22	25	27	30	34	38
250 DIA	L/s	40	50	60	70	80	90	100	110	120
	Throw m 0.25 - 0.5 m/s	0.5 - 0.9	0.6 - 1.2	0.7 - 1.4	0.9 - 1.9	1.0 - 2.1	0.9 - 2.3	1.2 - 2.4	1.3 - 2.6	1.4 - 2.9
	Pa	5	8	12	16	21	26	32	39	47
	NR		18	23	27	31	34	37	40	42
300 DIA	L/s	50	60	70	80	90	100	120	140	150
	Throw m 0.25 - 0.5 m/s	1.1 - 0.6	1.4 - 0.7	1.6 - 0.8	1.8 - 0.9	2.1 - 1.0	2.3 - 1.1	2.8 - 1.4	3.2 - 1.6	3.4 - 1.7
	Pa	3	5	6	8	10	13	18	25	29
	NR	3	8	12	16	19	22	27	32	34
315 DIA	L/s	70	80	90	100	120	140	160	180	200
	Throw m 0.25 - 0.5 m/s	0.8 - 1.5	0.8 - 1.7	1.0 - 1.9	1.1 - 2.1	1.2 - 2.5	1.4 - 2.9	1.8 - 3.4	2.0 - 3.8	2.4 - 4.2
	Pa	6	8	10	12	18	24	35	40	49
	NR		15	18	21	26	31	34	38	41
400 DIA	L/s	100	125	150	175	200	225	250	275	300
	Throw m 0.25 - 0.5 m/s	1.2 - 0.6	1.5 - 0.8	1.8 - 0.9	2.1 - 1.1	2.4 - 1.2	2.7 - 1.4	3.0 - 1.5	3.4 - 1.7	3.7 - 1.8
	Pa	5	8	12	16	21	26	32	39	47
	NR	11	17	23	27	31	34	37	40	42
450 DIA	L/s	150	175	200	225	250	275	300	325	350
	Throw m 0.25 - 0.5 m/s	1.0 - 2.1	1.2 - 2.5	1.3 - 2.8	1.5 - 3.2	1.6 - 3.5	2.0 - 3.9	2.0 - 4.2	2.3 - 4.6	2.5 - 4.9
	Pa	5	7	9	11	14	17	20	23	27
	NR		17	21	24	27	30	32	34	42

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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