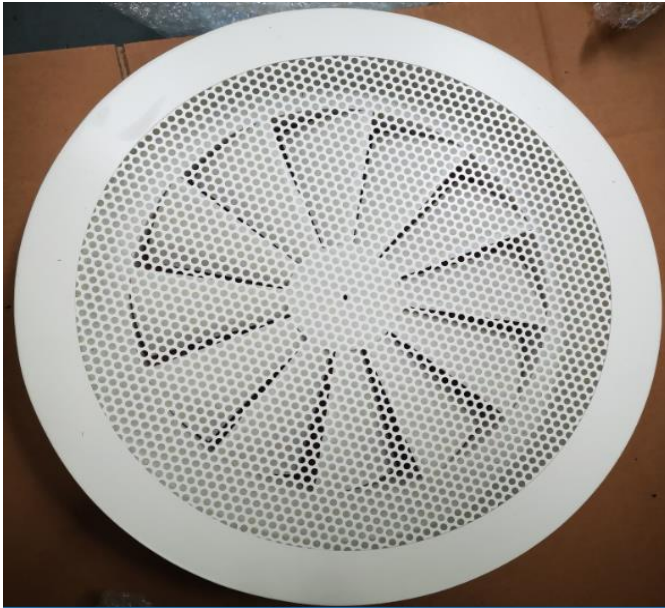


Perforated Face Swirl Diffuser - Round

Model PSW

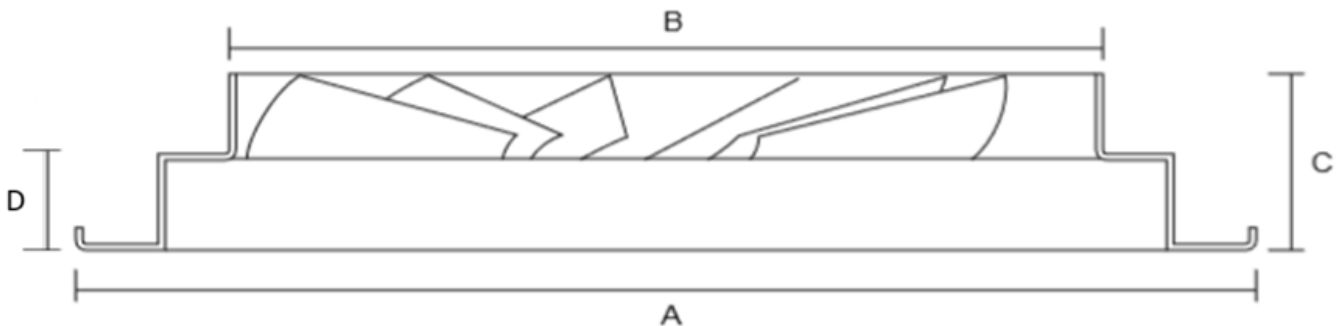


The Polyaire Round Perforated Fixed Swirl Diffusers are suitable for supply of air with a large temperature differential, making these units ideal for Fan Coil Units, VAV and VRF Systems. The rotating supply air pattern provides a high degree of induction making these diffusers well suited to supply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

Manufactured from galvanised steel

Standard finish RAL 9010.

Other RAL colours available to your requirements.



Item #	Size (mm)	A \varnothing	B \varnothing	C (mm)	D (mm)
248103	160	300	157	90	40
New Size	200	330	197	90	40
248104	250	380	247	90	40
New Size	300	440	297	90	40
248105	315	440	312	90	40
248106	400	600	397	90	40

POLYAIRE UK

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
200 DIA	NR		18	23	28	31	35	38	40	43
	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
250 DIA	Pa	7	10	12	16	19	24	28	38	50
	NR	10	15	18	22	25	27	30	34	38
	L/s	40	50	60	70	80	90	100	110	120
300 DIA	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
315 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
400 DIA	NR	3	8	12	16	19	22	27	32	34
	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
400 DIA	Pa	6	8	10	12	18	24	35	40	49
	NR		15	18	21	26	31	34	38	41
	L/s	100	125	150	175	200	225	250	275	300
400 DIA	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

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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www.polyaire.co.uk