briteair

Swirl Diffuser Type RSW

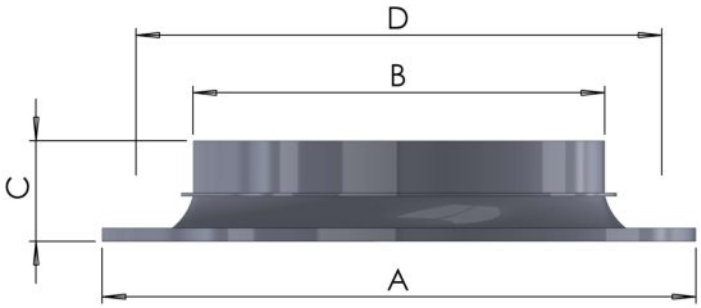
Fixed Vane Circular Swirl Diffuser With Curved Frame.

The curved frame is to assist with horizontal air distribution and makes it most suitable for mounting in exposed applications. Mounting Height: 2.4 – 4.5 metres .



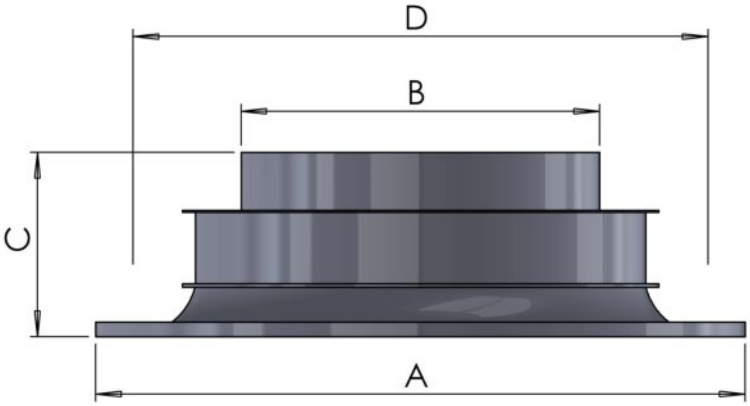
Multiple Variations

RSW - 12 - C - Circular



Nom Size	A	B	C	D
150 / 160	245 o/a	157 Dia	70mm	215 Dia
200	300 o/a	197 Dia	70mm	265 Dia
250	350 o/a	247 Dia	75mm	320 Dia
315	450 o/a	312 Dia	75mm	415 Dia
355	515 o/a	352 Dia	90mm	480 Dia
400	560 o/a	397 Dia	95mm	525 Dia
450	600 o/a	447 Dia	95mm	565 Dia
630	800 o/a	627 Dia	95mm	765 Dia

RSW - 12 - CL - Clipped Adapter



Nom Size	A	B	C	D
150 / 160	245 o/a	157 Dia	120mm	215 Dia
200	300 o/a	197 Dia	120mm	265 Dia
250	350 o/a	247 Dia	125mm	320 Dia
315	450 o/a	312 Dia	125mm	415 Dia
355	515 o/a	352 Dia	140mm	480 Dia
400	560 o/a	397 Dia	145mm	525 Dia
450	600 o/a	447 Dia	145mm	565 Dia
630	800 o/a	627 Dia	145mm	765 Dia

*Please contact our **Sales Office** on 01924 444 174 for selection guidance on the above.*

briteair SYSTEMS LTD

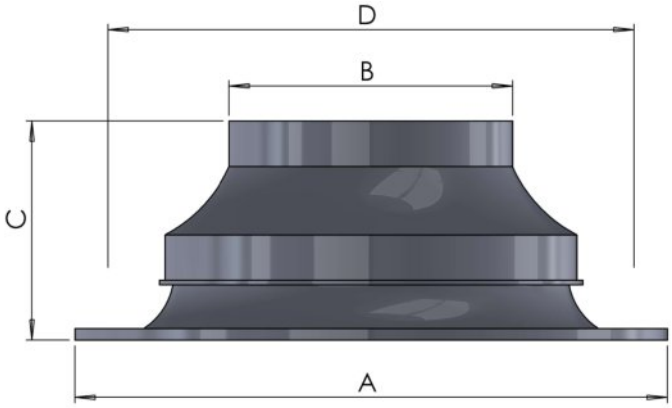
Briteair Systems Ltd
Unit 2, Norquest Ind Park, Pennine View, Birstall, West Yorkshire WF17 9NE

Tel: 01924 444 174 | Fax: 01924 476 600 | www.briteair.co.uk

briteair

Swirl Diffuser Type RSW

RSW - 12 - LA - Lapped Adapter



Nom Size	A	B	C	D
150 / 160	245 o/a	157 Dia	Size TBC*	215 Dia
200	300 o/a	197 Dia	Size TBC*	265 Dia
250	350 o/a	247 Dia	Size TBC*	320 Dia
315	450 o/a	312 Dia	Size TBC*	415 Dia
355	515 o/a	352 Dia	Size TBC*	480 Dia
400	560 o/a	397 Dia	Size TBC*	525 Dia
450	600 o/a	447 Dia	Size TBC*	565 Dia
630	800 o/a	627 Dia	Size TBC*	765 Dia

*Please contact our Sales office for dimension C

How to Order

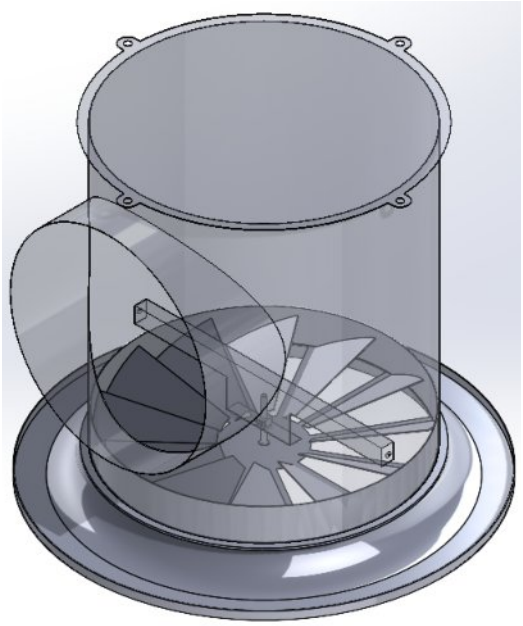
Type	No of Blades	Edge Detail	Size	Overall Size	Finish
			150/160		
		C- Circular	200		
RSW	12	CL - Clipped Adapter	250	e.g. 350 Dia	RAL Colour
		LA - Lapped	315		Galvanised
			355		
			400		
			450		
			630		

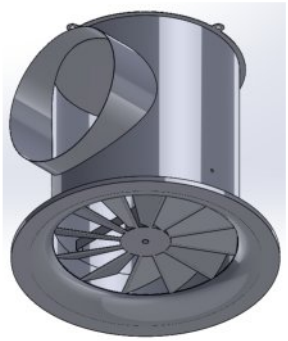
e.g. 10 No RSW - 12 - C - 315 - RAL 9010

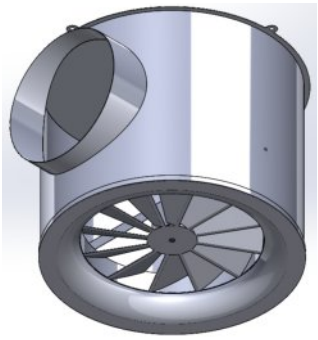
Type	Spigot Orientation	Insulation	Fit - Circular Boxes	Equalizing Grid	Damper	Finish
PB - Square Box	SE - Side Entry	0 - Unlined	N - Neck		FD - Spigot Damper	RAL Colour
PBC - Circular Box	TE - Top Entry	INS - Insulated	O/a - Overall	EQ	CD - Cord Damper	Galvanised

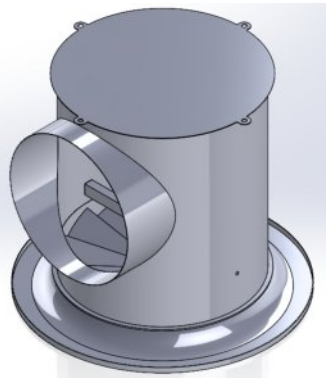
e.g. 25 No PBC-SE-INS-N-FD-Galvanised (Circular Plenum Box, Side Entry, Insulated, To Suit Neck, Spigot Damper, Galvanised Finish)

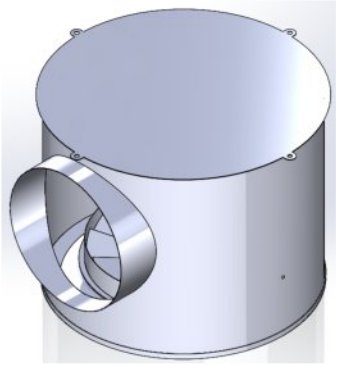
Fixing Detail











Performance Data

Size								
160 DIA	L/s	20	30	40	50	60	70	80
	Throw m 0.25 - 0.5 m/s	0.6 - 0.3	1.0 - 0.5	1.3 - 0.6	1.6 - 0.8	1.9 - 1.0	2.3 - 1.1	2.6 - 1.3
	Pa	4	10	18	28	40	54	71
	NR	8	19	27	34	39	43	47
200 DIA	L/s	30	40	50	60	70	80	100
	Throw m 0.25 - 0.5 m/s	0.8 - 0.4	1.1 - 0.6	1.4 - 0.7	1.7 - 0.8	2.0 - 1.0	2.2 - 1.1	2.5 - 1.3
	Pa	6	11	17	24	33	43	55
	NR	10	18	25	30	34	38	41
250 DIA	L/s	60	80	100	120	140	160	180
	Throw m 0.25 - 0.5 m/s	1.4 - 0.7	1.8 - 0.9	2.0 - 1.0	2.7 - 1.4	3.2 - 1.6	3.6 - 1.8	4.1 - 2.0
	Pa	10	17	22	39	53	70	88
	NR	16	24	27	35	40	43	47
315 DIA	L/s	80	100	120	150	180	200	220
	Throw m 0.25 - 0.5 m/s	1.7 - 0.9	1.9 - 1.0	2.6 - 1.3	3.2 - 1.6	3.9 - 1.9	4.3 - 2.2	4.1 - 2.1
	Pa	5	7	12	19	27	33	31
	NR	14	17	25	32	37	40	37
350 DIA	L/s	100	125	150	175	200	225	250
	Throw m 0.25 - 0.5 m/s	1.7 - 0.8	2.4 - 1.2	2.8 - 1.4	3.3 - 1.6	3.8 - 1.9	4.2 - 2.1	4.7 - 2.4
	Pa	5	10	15	20	26	33	41
	NR	12	21	27	31	35	38	41
400 DIA	L/s	150	180	200	220	250	280	300
	Throw m 0.25 - 0.5 m/s	2.3 - 1.1	2.7 - 1.4	3.0 - 1.5	3.3 - 1.7	3.8 - 1.9	4.2 - 2.1	4.5 - 2.3
	Pa	7	10	13	16	20	25	29
	NR	22	27	30	32	36	39	41
450 DiA	L/s	200	250	300	320	350	380	400
	Throw m 0.25 - 0.5 m/s	2.5 - 1.3	3.2 - 1.6	3.8 - 1.9	4.1 - 2	4.5 - 2.2	4.8 - 2.4	5.1 - 2.5
	Pa	9	14	20	23	27	32	35
	NR	21	27	32	34	37	39	40
630 DIA	L/s	350	400	450	500	550	600	650
	Throw m 0.25 - 0.5 m/s	3.2 - 1.6	3.7 - 1.8	4.1 - 2.1	4.6 - 2.3	5.1 - 2.5	5.5 - 2.8	6 - 3
	Pa	7	9	11	14	17	20	24
	NR	15	18	22	25	27	30	32

NOTE:
All throws based on terminal velocities of 0.25 - 0.5 m/s
For Return Air Applications Multiply Pa x 0.75, NC Levels remain the same

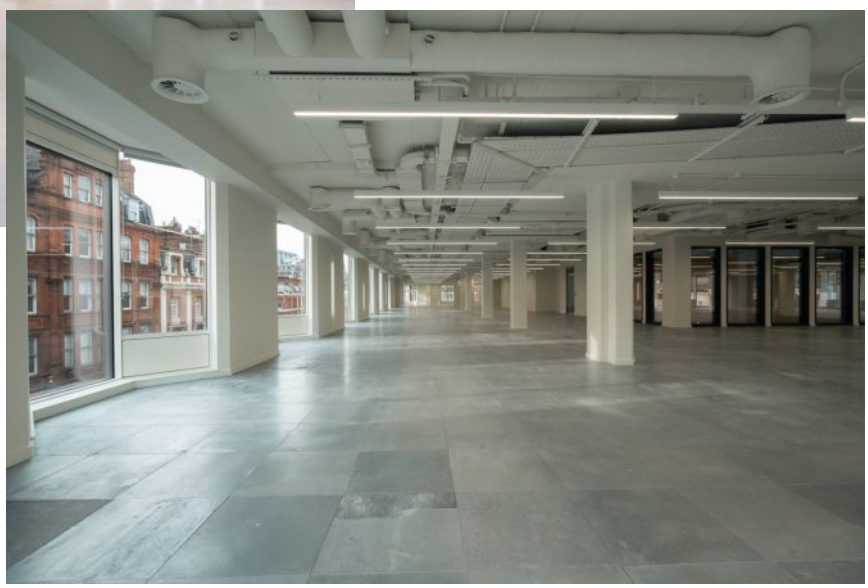
*Please contact our **Sales Office** on 01924 444 174 for selection guidance on the above.*

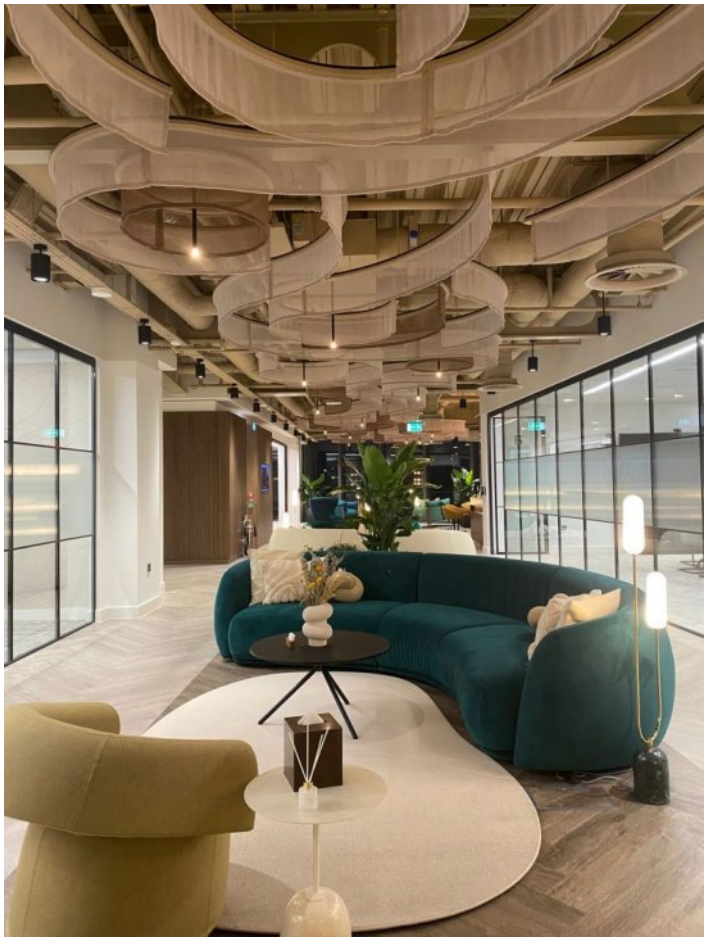
briteair SYSTEMS LTD

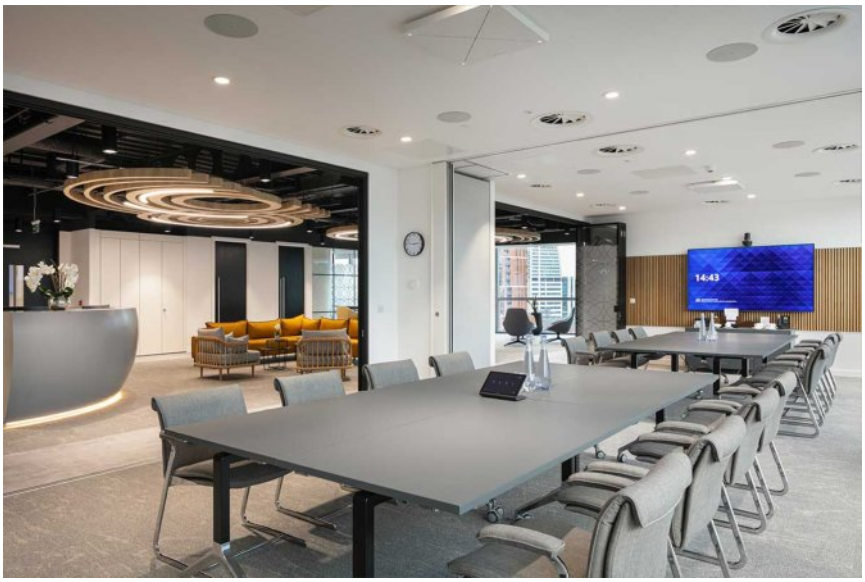
Briteair Systems Ltd
Unit 2, Norquest Ind Park, Pennine View, Birstall, West Yorkshire WF17 9NE

Tel: 01924 444 174 | Fax: 01924 476 600 | www.briteair.co.uk









*Please contact our **Sales Office** on 01924 444 174 for selection guidance on the above.*

briteair SYSTEMS LTD

Briteair Systems Ltd
Unit 2, Norquest Ind Park, Pennine View, Birstall, West Yorkshire WF17 9NE

Tel: 01924 444 174 | Fax: 01924 476 600 | www.briteair.co.uk