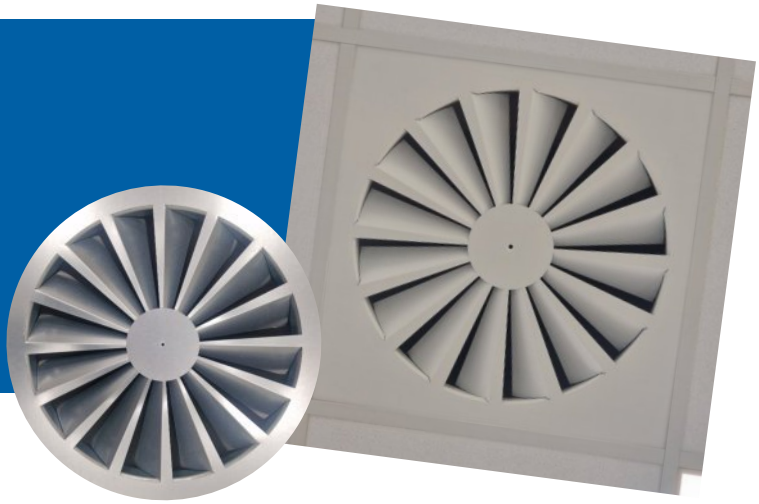
briteair

Swirl Diffuser Type SSW-HC

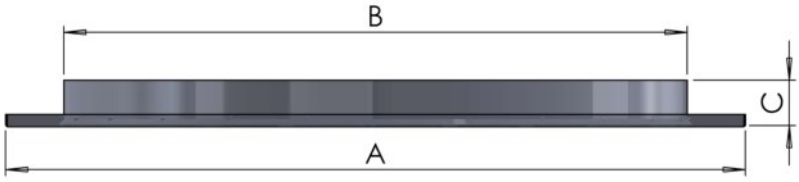
Suitable for ceiling mounting and can be manufacturerd to suit most ceiling tile arrangements.

The High Capacity Swirl Diffusers allows high air volumes to be used whilst still having all the performance benefits of rapid decay of both supply air velocities and temperatures.



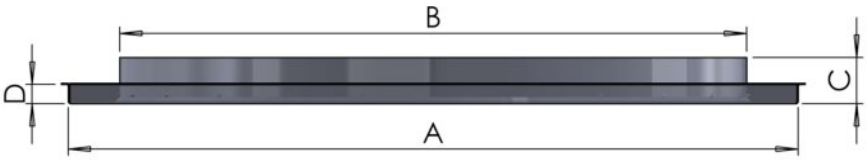
Multiple Variations

SSW-HC-16-L Lay-in Ceiling Type



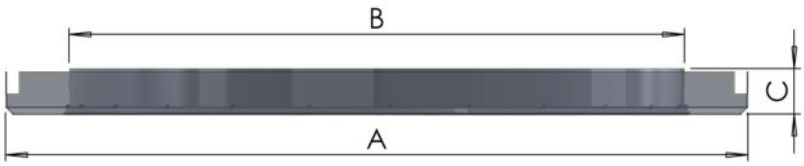
Nom Size	A	B	C
250	595 x 595	197	65mm
350	595 x 595	347	65mm
450	595 x 595	447	65mm
500	595 x 595	500	65mm
535	595 x 595	535	65mm

SSW-HC-16-T Tegular Ceiling Type



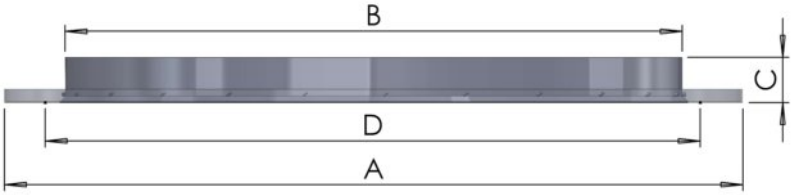
Nom Size	A	B	C	D
250	574 / 584	197	65mm	Drop Size
350	574 / 584	347	65mm	Drop Size
450	574 / 584	447	65mm	Drop Size
500	574 / 584	500	65mm	Drop Size
535	574 / 584	535	65mm	Drop Size

SSW-HC-16-M Clip-in Metal Ceiling Type



Nom Size	A	B	C
250	599 x 599	197	65mm
350	599 x 599	347	65mm
450	599 x 599	447	65mm
500	599 x 599	500	65mm
535	599 x 599	535	65mm

SSW-HC-16-C Circular Swirl Diffuser



Nom Size	A	B	C	D
250	400 Dia	197	65mm	275
350	500 Dia	347	65mm	375
450	600 Dia	447	65mm	475
500	600 Dia	500	65mm	525
535	600 Dia	535	65mm	560

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How to Order

Type	No of Blades	Edge Detail	Tegular Depth	Size	Overall Size	Finish
		L - Lay In Grid		250		
		C- Circular		350		RAL Colour
SSW-HC	16	T15 - Tegular 584 x 584	e.g. 8mm	450	e.g. 595 x 595	Galvanised
		T24 - Tegular 574 x 574		500		Stainless Steel
		M - Clip In Metal Tile		535		

e.g. 10 No SSW-HC - 16 - L - 450 - 595 x 595 - RAL 9010

Performance Data

Size									
250 DIA	L/s	40	50	60	70	80	90	100	110
	Throw m 0.5 - 0.25 m/s	0.6 - 1.2	0.7 - 1.5	0.9 - 1.8	1.0 - 2.1	1.2 - 2.4	1.2 - 2.6	1.4 - 2.9	1.5 -3.2
	Pa	5	8	12	17	22	27	34	41
	NR	<20	<20	<20	<20	<20	22	25	28
	L/s								
	Throw m 0.5 - 0.25 m/s								
	Pa								
	NR								
350 DIA	L/s	80	90	100	110	120	130	140	150
	Throw m 0.5 - 0.25 m/s	0.8 - 1.6	0.9 - 1.9	1.0 - 2.0	1.1 - 2.1	1.2 - 2.4	1.3 - 2.7	1.4 - 2.9	1.5 - 3.0
	Pa	7	8	10	13	15	18	20	23
	NR	<20	<20	<20	<20	<20	<20	<20	21
	L/s	170	180	200	210	220	230	240	250
	Throw m 0.5 - 0.25 m/s	1.7 - 3.5	1.8 - 3.7	2.0 - 4.2	2.1 - 4.4	2.2 -4.6	2.3 - 4.8	2.4 - 4.9	2.5 - 5.2
	Pa	30	34	41	46	50	55	60	65
	NR	24	26	29	30	31	33	34	35
450 DIA	L/s	200	225	250	275	300	325	350	375
	Throw m 0.5 - 0.25 m/s	1.3 - 2.7	1.5 - 3.1	1.6 - 3.4	1.9 -3.8	2.0 - 4.1	2.2 - 4.5	2.4 - 4.8	2.5 - 5.1
	Pa	5	7	9	10	12	14	17	19
	NR	<20	<20	<20	<20	21	23	26	27
	L/s	400	425	450	475	500	525	550	575
	Throw m 0.5 - 0.25 m/s	2.7 - 5.5	2.9 - 5.8	3.0 - 6.2	3.2 - 6.5	3.4 - 6.9	3.6 - 7.2	3.7 - 7.5	4.0 - 7.9
	Pa	22	25	28	31	34	38	41	45
	NR	29	31	33	34	36	37	38	40
500 DIA	L/s	200	225	250	275	300	325	350	375
	Throw m 0.5 - 0.25 m/s	1.0 - 2.2	1.1 - 2.4	1.3 - 2.7	1.4 -3.0	1.7 - 3.3	1.7 - 3.5	2.0 - 3.8	2.0 - 4.1
	Pa	4	6	7	8	10	12	13	15
	NR	<20	<20	<20	<20	<20	<20	22	23
	L/s	400	425	450	475	500	525	550	575
	Throw m 0.5 - 0.25 m/s	2.1 - 4.3	2.2 -4.6	2.5 - 4.9	2.6 - 5.1	2.7 - 5.4	2.8 - 5.7	3.0 - 6.0	3.2 - 6.2
	Pa	18	20	22	25	28	30	33	36
	NR	25	27	29	30	32	33	34	36

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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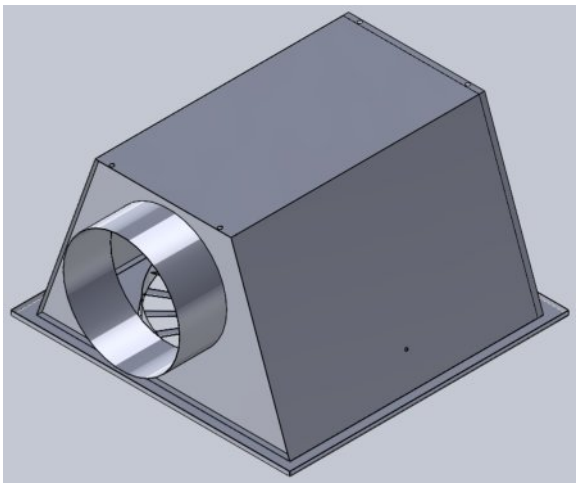
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How to Order

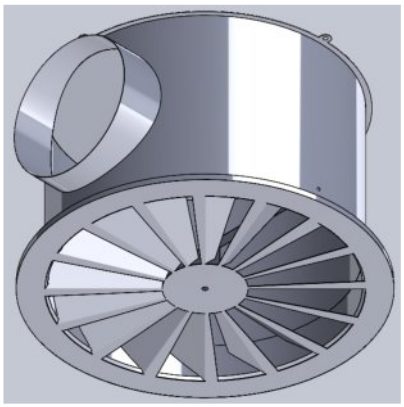
Type	Spigot Orientation	Insulation	Fit - Circular Boxes	Equalizing Grid	Damper	Finish
PB - Square Box	SE - Side Entry	0 - Unlined	N - Neck		FD - Spigot Damper	RAL Colour
PBC - Circular Box	TE - Top Entry	INS - Insulated	O/a - Overall	EQ	CD - Cord Damper	Galvanised
						Stainless Steel

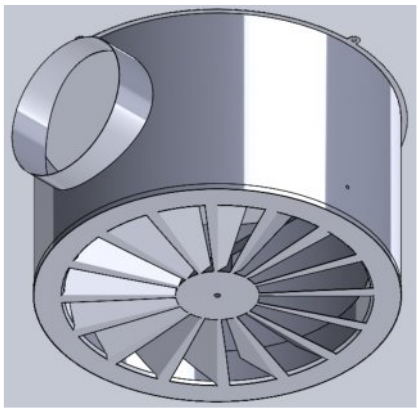
e.g. 10 No PB-SE-INS-EQ-FD-Galvanised (Plenum Box, Side Entry, Insulated, Equalizing Grid, Spigot Damper, Galvanised Finish)
e.g. 25 No PBC-SE-INS-N-FD-Galvanised (Circular Plenum Box, Side Entry, Insulated, To Suit Neck, Spigot Damper, Galvanised Finish)

Plenum Box Variations

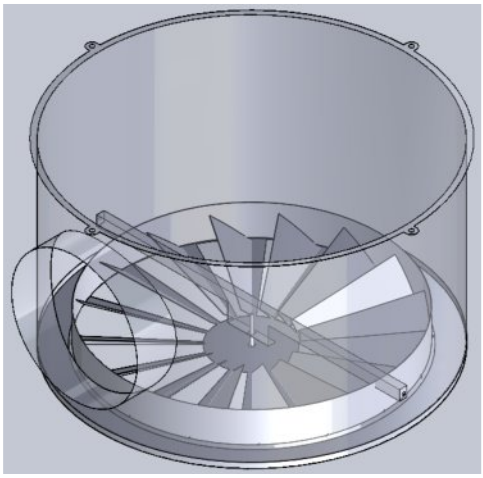


Fit For Circular Boxes

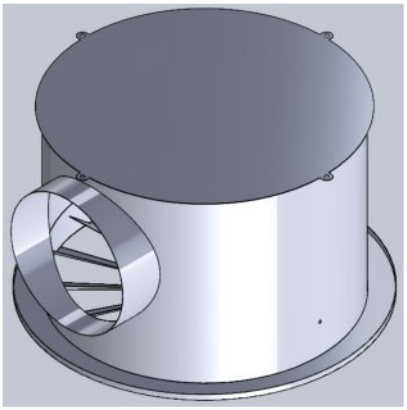




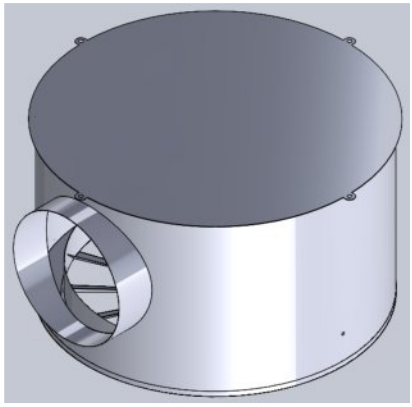
Fixing Detail



To Suit Neck



To Suit Overall



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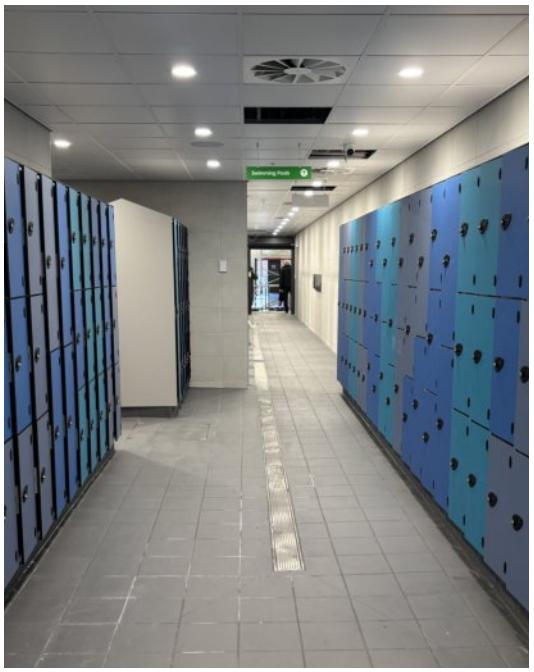
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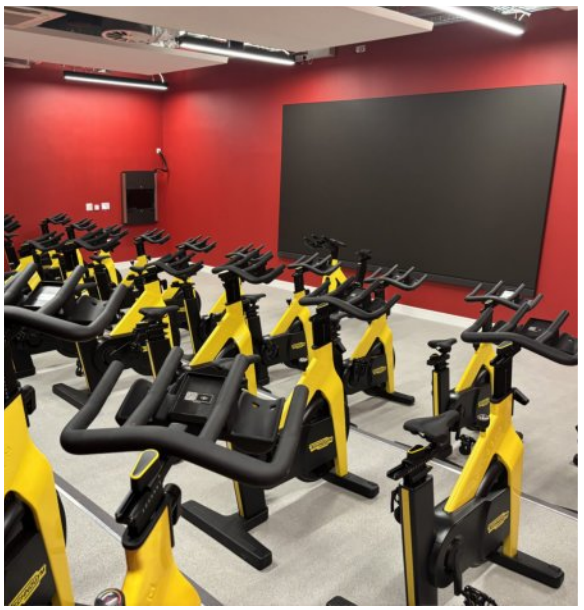
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Swirl Diffuser Type SSW-HC









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