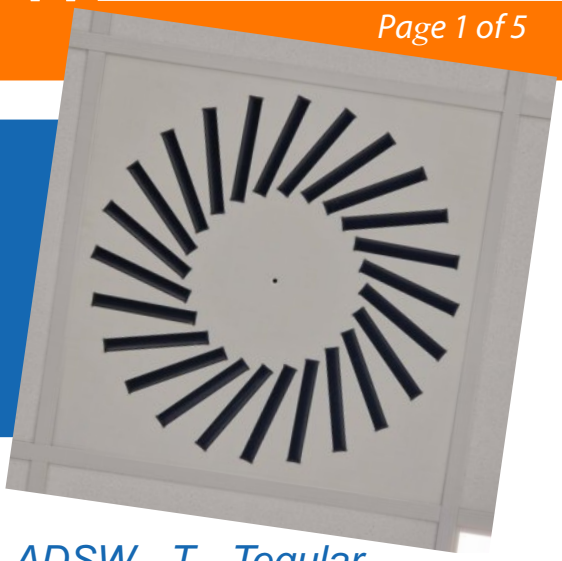
briteair

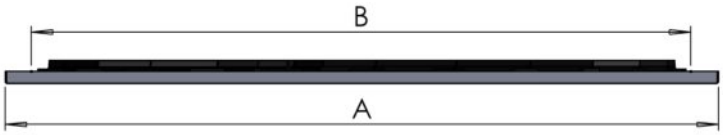
Swirl Diffuser Type ADSW



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

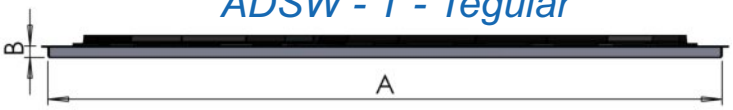
The steel blades can be easily adjusted from the face of the diffuser to give either a Horizontal or Vertical air pattern. This Diffuser offers high induction of room air and the rapid decay of supply air velocities and temperature differentials.

ADSW - L - Lay In



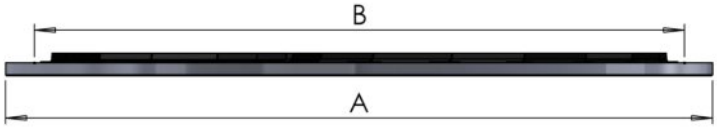
Blades	A	B
48-HC	795 x 795	785 x 785
48	595 x 595	580 x 580
32	595 x 595	580 x 580
24	595 x 595	580 x 580
16	595 x 595, 495 x 495, 395 x 395	380 x 380
14	595 x 595, 495 x 495	470 x 470
8	595 x 595, 495 x 495, 395 x 395, 295 x 295	280 x 280
24 Small	595 x 595, 495 x 495	465 x 465

ADSW - T - Tegular



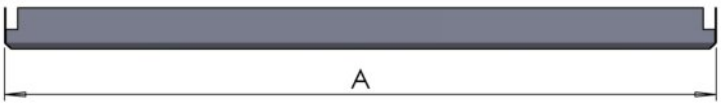
Blades	A	B
48	574 / 584	Drop Size
32	574 / 584	Drop Size
24	574 / 584	Drop Size
16	574 / 584	Drop Size
14	574 / 584	Drop Size
8	574 / 584	Drop Size
24 Small	574 / 584	Drop Size

ADSW - C - Circular



Blades	A	B
48-HC	800 Dia	785 Dia
48	600 Dia	580 Dia
32	600 Dia	580 Dia
24	600 Dia	580 Dia
16	600, 500, 400 Dia	380 Dia
14	600, 500 Dia	470 Dia
8	600, 500, 400, 300 Dia	280 Dia
24 Small	600, 500 Dia	465 Dia

ADSW - M - Clip In



Blades	A
48	599 x 599
32	599 x 599
24	599 x 599
16	599 x 599
14	599 x 599
8	599 x 599
24 Small	599 x 599

Type	No of Blades	Edge Detail	Tegular Depth	Size	Overall Size	RAL Colour
ADSW	24	L - Lay-In Grid T15 - Tegular 584 x 584 T24 - Tegular 574 x 574	e.g. 8mm		e.g. 595 x 595 599 x 599 600 Dia 500 Dia	e.g. RAL 9010
		M - Clip-In Metal Tile C - Circular			400 Dia 300 Dia	

briteair SYSTEMS LTD

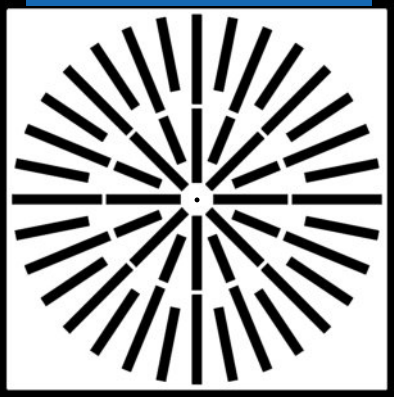
Briteair Systems Ltd
Unit 2, Norquest Ind Park, Pennine View, Birstall, West Yorkshire WF17 9NE

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

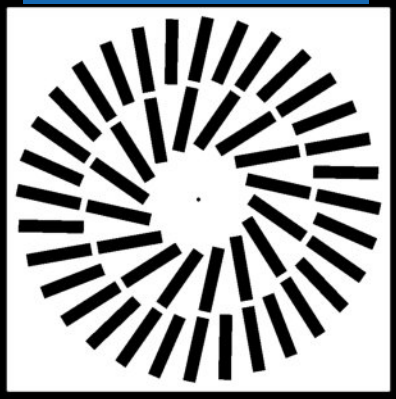
ISO 9001 Quality Management FM 617949
Constructionline CE

Swirl Diffuser Type ADSW

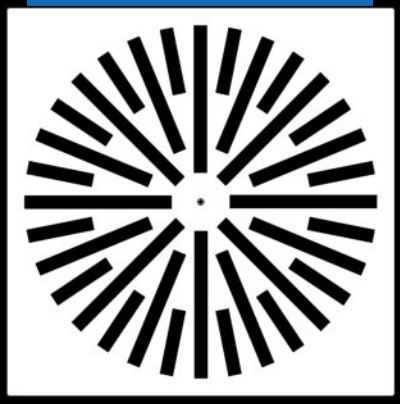
ADSW-48-HC



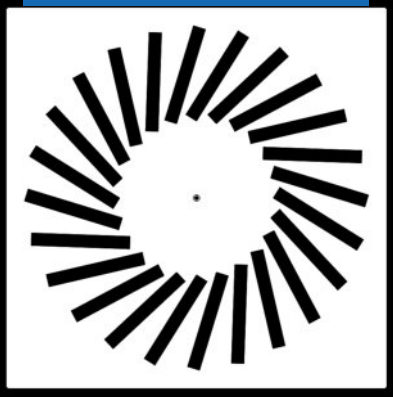
ADSW- 48



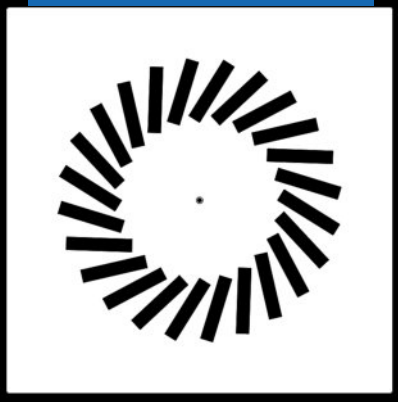
ADSW- 32



ADSW- 24



ADSW- 24 - Small Blades



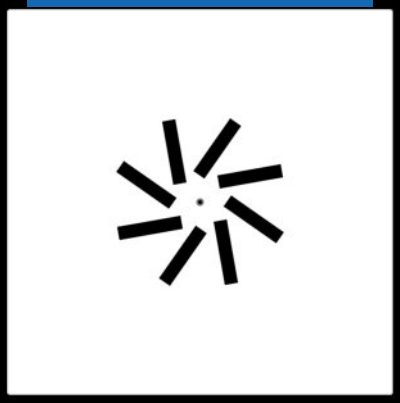
ADSW- 16



ADSW- 14



ADSW- 8



briteair SYSTEMS LTD

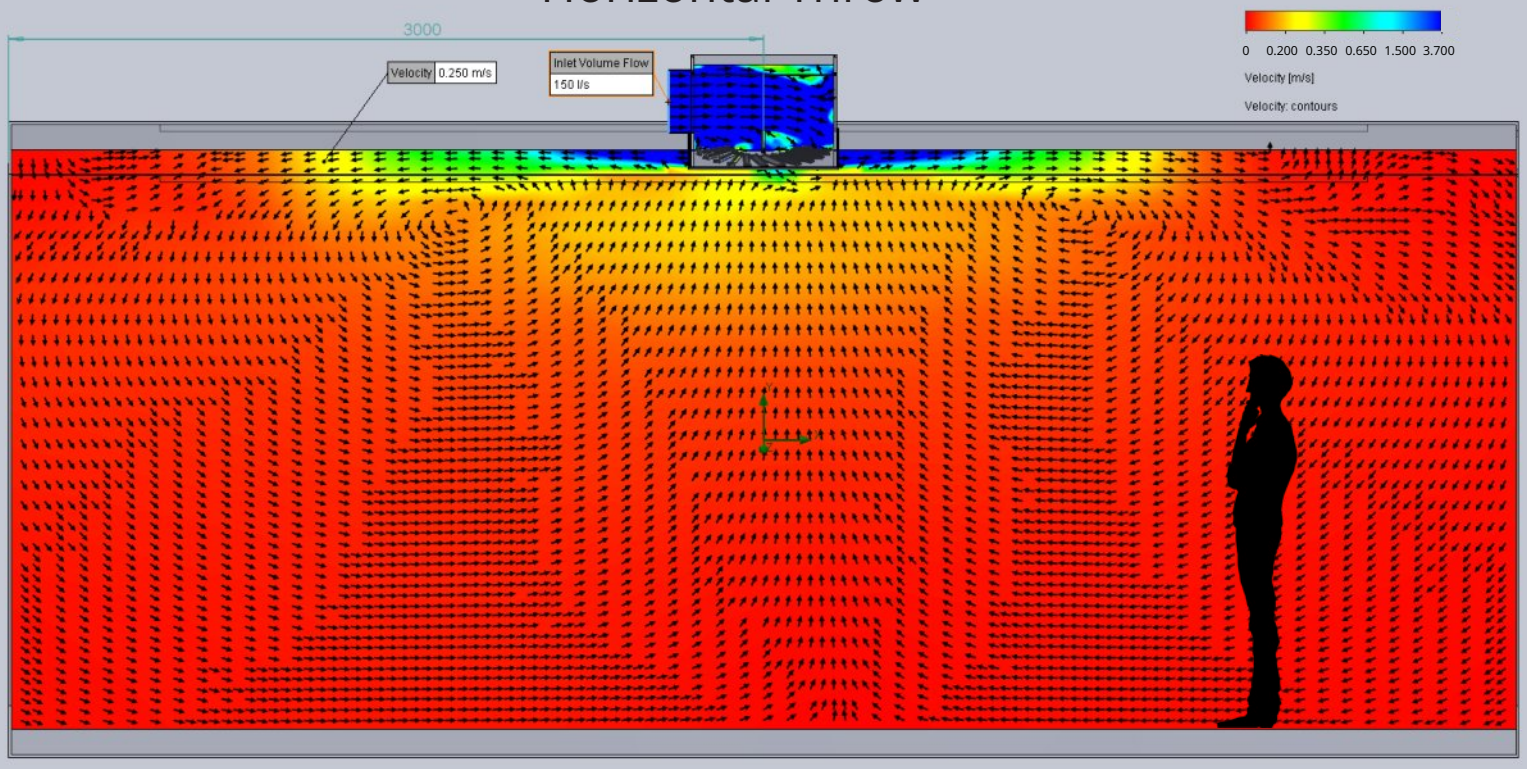
Briteair Systems Ltd
Unit 2, Norquest Ind Park, Pennine View, Birstall, West Yorkshire WF17 9NE

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

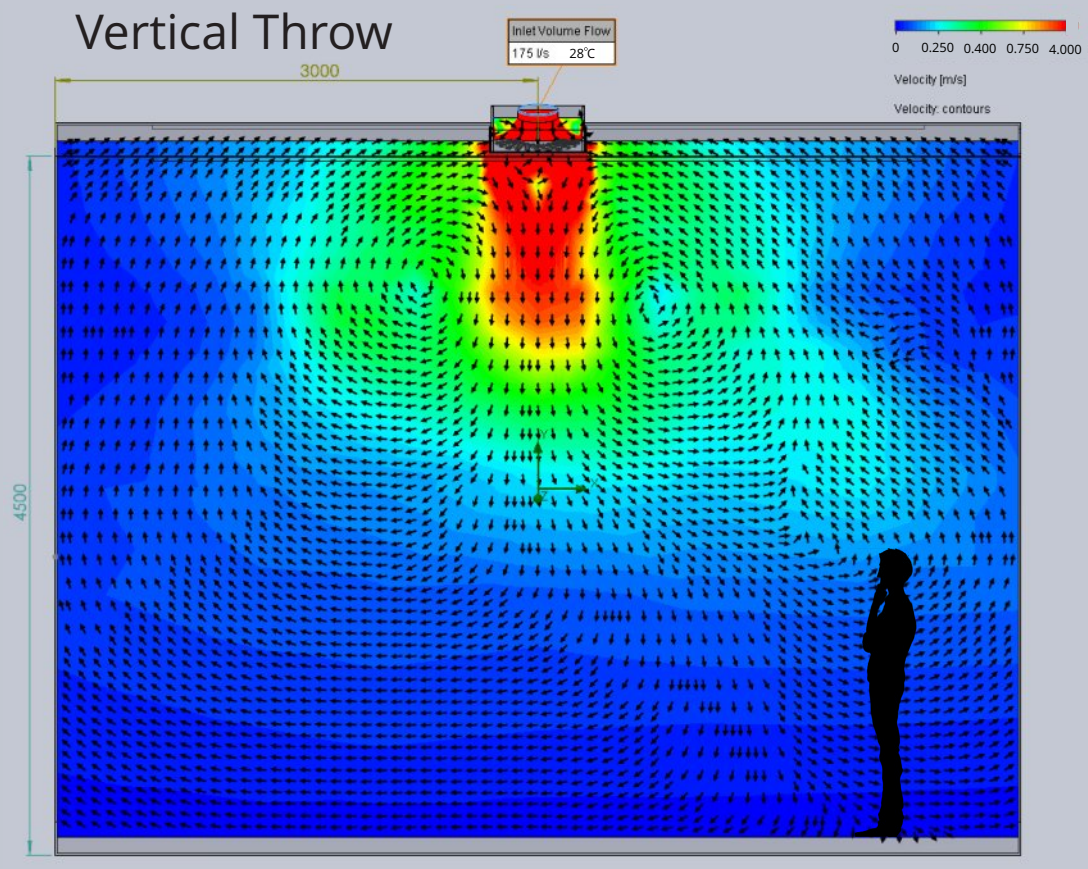
ISO 9001 Quality Management FM 617949
Constructionline CE

Swirl Diffuser Type ADSW

Horizontal Throw



Vertical Throw



Our specially designed blades can be adjusted from the face to offer either a horizontal or vertical throw.

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

ISO 9001 Quality Management FM 617949
Constructionline CE

Swirl Diffuser Type ADSW

Size								
ADSW-48-HC	L/s	**150**	**160**	**170**	**180**	**190**	**200**	**220**
	Throw m 0.25 - 0.5 m/s	1.6 - 0.8	1.7 - 0.9	1.8 - 0.9	2.0 - 1.0	2.1 - 1	2.2 - 1.1	2.4 - 1.2
	Pa	7	7	8	9	11	12	14
	NR	13	14	16	18	19	21	23
	L/s	**240**	**260**	**280**	**300**	**320**	**340**	**350**
	Throw m 0.25 - 0.5 m/s	2.6 - 1.3	2.8 - 1.5	3 - 1.5	3.2 - 1.6	3.5 - 1.7	3.7 - 1.8	3.8 - 1.9
	Pa	17	20	23	26	30	34	36
	NR	26	28	30	32	34	36	37
ADSW-48	L/s	**100**	**110**	**120**	**130**	**140**	**150**	**160**
	Throw m 0.25 - 0.5 m/s	1.5 - 0.8	1.7 - 0.8	1.8 - 0.9	2.0 - 1.0	2.1 - 1.1	2.3 - 1.2	2.5 - 1.2
	Pa	4	4	8	6	7	8	9
	NR	7	10	12	15	17	19	20
	L/s	**170**	**180**	**190**	**200**	**220**	**240**	**260**
	Throw m 0.25 - 0.5 m/s	2.6 - 1.3	2.8 - 1.4	3.1 - 1.5	3.1 - 1.5	3.4 - 1.7	3.7 - 1.8	4.0 - 2.0
	Pa	12	12	13	15	18	21	25
	NR	24	24	25	27	29	32	34
ADSW-32	L/s	**100**	**110**	**120**	**130**	**140**	**150**	**160**
	Throw m 0.25 - 0.5 m/s	1.4 - 0.7	1.5 - 0.8	1.7 - 0.8	1.8 - 0.9	2.0 - 1.0	2.1 - 1.1	2.2 - 1.1
	Pa	6	7	9	10	12	14	16
	NR	12	15	17	20	22	24	25
	L/s	**170**	**180**	**190**	**200**	**220**	**240**	**260**
	Throw m 0.25 - 0.5 m/s	2.4 - 1.2	2.5	2.7 - 1.3	2.8 - 1.4	2.9	3.1 - 1.5	3.4 - 1.7
	Pa	18	20	22	25	27	30	35
	NR	27	29	30	32	33	34	37
ADSW-24	L/s	**75**	**90**	**100**	**110**	**120**	**130**	**140**
	Throw m 0.25 - 0.5 m/s	1.1 - 0.5	1.3 - 0.6	1.4 - 0.7	1.5 - 0.8	1.7 - 0.8	1.8 - 0.9	2 - 1.0
	Pa	5	7	9	10	12	15	17
	NR	<15 - 9	14	17	20	22	25	27
	L/s	**150**	**160**	**170**	**180**	**190**	**200**	
	Throw m 0.25 - 0.5 m/s	2.1 - 1.1	2.2 - 1.1	2.4 - 1.2	2.5 - 1.3	2.7 - 1.3	2.8 - 1.4	
	Pa	19	22	25	28	31	34	
	NR	29	30	32	34	35	37	
ADSW-16	L/s	**40**	**50**	**60**	**70**	**80**	**90**	**100**
	Throw m 0.25 - 0.5 m/s	0.9 - 0.4	1.2 - 0.6	1.3 - 0.6	1.6 - 0.8	1.8 - 0.9	2.0 - 1.0	2.2 - 1.1
	Pa	6	9	13	18	23	29	36
	NR	7	14	19	23	27	30	33
	L/s	**110**	**120**	**130**	**140**	**150**	**160**	
	Throw m 0.25 - 0.5 m/s	2.5 - 1.2	2.7 - 1.3					
	Pa	44	52					
	NR	36	38					
ADSW-14	L/s	**40**	**50**	**60**	**70**	**80**	**90**	**100**
	Throw m 0.25 - 0.5 m/s	0.7 - 0.4	0.9 - 0.5	1.1 - 0.6	1.3	1.5 - 0.7	1.7 - 0.8	1.9 - 0.9
	Pa	4	7	10	13	17	22	27
	NR	1	8	13	17	21	24	27
	L/s	**110**	**120**					
	Throw m 0.25 - 0.5 m/s	2.1 - 1.0	2.2 - 1.1					
	Pa	33	39					
	NR	30	32					
ADSW-8	L/s	**20**	**30**	**40**	**50**	**60**	**70**	**80**
	Throw m 0.25 - 0.5 m/s	0.4 - 0.2	0.7 - 0.3	0.9 - 0.4	1.1 - 0.6	1.3 - 0.7	1.6 - 0.8	1.8 - 0.9
	Pa	5	11	19	30	44	59	78
	NR	3	14	22	29	34	38	42
ADSW-24 - Small Blades	L/s	**45**	**60**	**75**	**85**	**100**	**110**	**120**
	Throw m 0.25 - 0.5 m/s	0.7 - 0.3	0.9 - 0.4	1.1 - 0.6	1.3 - 0.6	1.5 - 0.7	1.6 - 0.8	1.8 - 0.9
	Pa	5	9	15	19	26	32	37
	NR	3	11	17	21	25	28	30

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

ISO 9001 Quality Management FM 617949
ConstructionLine CE

Swirl Diffuser Type ADSW









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

ISO 9001 Quality Management FM 617949
Constructionline CE