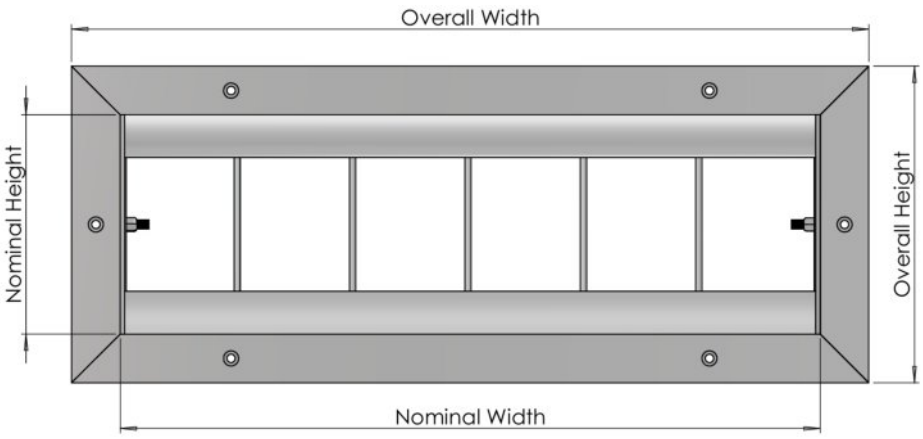
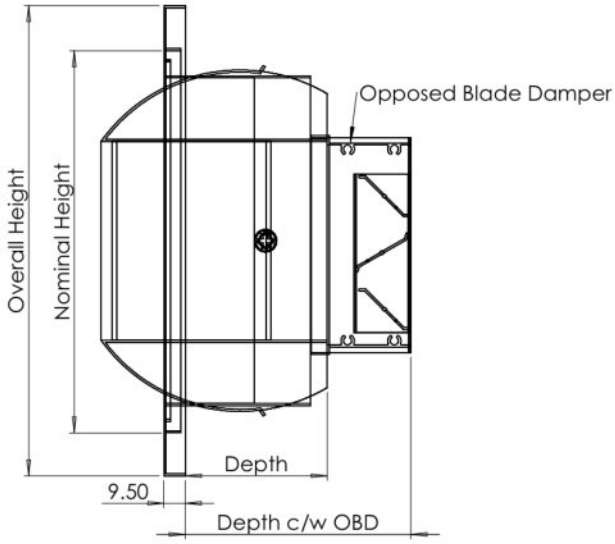
Drum Jet Diffuser

Suitable for wall or duct mounting.
The adjustable drum jet diffuser can offer 30 degree upward or downward airstreams, vertical blades in the drum jet allow 45 degree sidways adjustment in two planes.







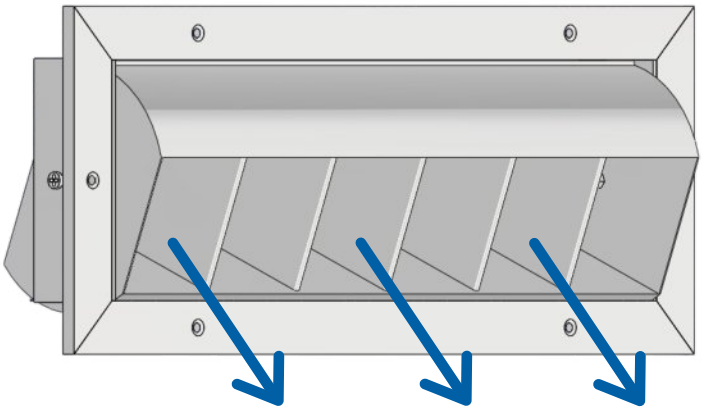
Size	Nominal (mm)		Overall (mm)		Blade Pitch	Depth	Depth c/w OBD
	W	H	W	H			
1	244	164	297	208	76	62	106
2	321		373				
3	473		525				
4	625		678				
5	524	259	576	303	127	100	144
6	651		703				
7	778		830				
8	905		957				

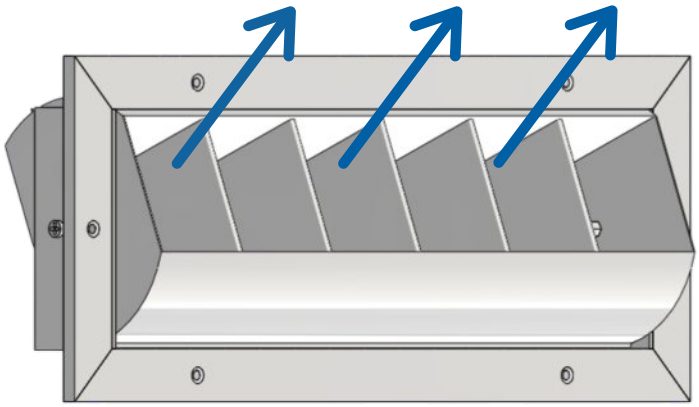
*Please contact our **Sales Office** on 01924 444174 for selection guidance on the above.*

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

The drum jet diffuser can be adjusted to provide upward or downward airstreams.





How to Order

Type	Size	Damper	Finish
BDJ	1, 2, 3, 4, 5, 6, 7, 8	D - OBD	Anodised Finish
			RAL Colour

e.g. 10 No BDJ-3-D- RAL 9010 - Drum Jet Diffuser, Size 3 c/w OBD and Painted RAL 9010



Duct saddles can be manufactured to suit square and circular ducting if required.

*Please contact our **Sales Office** on 01924 444174 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

Size										
244 x 164	Air Volume l/s	50	60	70	80	90	100	110	120	130
	Throw (0.25m/s)	2.0	2.4	2.7	3.1	3.5	3.9	4.3	4.7	5.1
	Pd	6	8	11	14	18	22	27	32	37
	NR Level	<20	<20	<20	<20	<20	<20	<20	<20	20
321 x 164	Air Volume l/s	75	90	100	120	130	140	150	160	170
	Throw (0.25m/s)	2.7	3.2	3.5	4.3	4.6	5.0	5.3	5.7	6.0
	Pd	7	10	12	18	21	24	28	32	36
	NR Level	<20	<20	<20	<20	<20	<20	<20	<20	21
473 x 164	Air Volume l/s	100	120	140	150	160	180	200	220	240
	Throw (0.25m/s)	3.0	3.6	4.2	4.5	4.8	5.4	6.0	6.6	7.2
	Pd	6	9	12	14	16	20	25	30	36
	NR Level	<20	<20	<20	<20	<20	<20	<20	<20	22
625 x 164	Air Volume l/s	140	160	180	200	220	240	260	280	300
	Throw (0.25m/s)	3.4	3.9	4.3	4.8	5.3	5.8	6.3	6.8	7.2
	Pd	6	7	9	11	14	16	19	22	26
	NR Level	<20	<20	<20	<20	<20	<20	<20	20	22
524 x 259	Air Volume l/s	200	250	300	350	400	450	500	550	600
	Throw (0.25m/s)	3.2	4.0	4.7	5.5	6.3	7.1	7.9	8.7	9.5
	Pd	6	9	13	17	23	29	36	43	51
	NR Level	<20	<20	<20	<20	20	24	27	29	32
651 x 259	Air Volume l/s	300	350	400	450	500	550	600	650	700
	Throw (0.25m/s)	3.7	4.3	4.9	5.5	6.1	6.7	7.3	7.9	8.5
	Pd	9	13	17	21	26	31	37	44	51
	NR Level	<20	<20	<20	<20	22	24	27	29	31
778 x 259	Air Volume l/s	400	450	500	550	600	650	700	750	800
	Throw (0.25m/s)	4.8	5.4	6.0	6.6	7.2	7.8	8.4	9.0	9.6
	Pd	9	12	15	18	21	25	29	33	37
	NR Level	<20	<20	<20	<20	22	24	26	28	30
905 x 259	Air Volume l/s	500	550	600	650	700	750	800	850	900
	Throw (0.25m/s)	5.8	6.4	7.0	7.6	8.2	8.8	9.3	9.9	10.5
	Pd	10	12	14	16	19	22	25	28	31
	NR Level	<20	<20	<20	20	22	24	26	28	29

Correction Factors

Throw

Blade Adjustment
22° - Multiply x 0.8
45° - Multiply x 0.45

For Return Air:

Multiply the Pressure Drop by 0.75
Noise Levels remain the same

Terminal Velocity Correction Factors

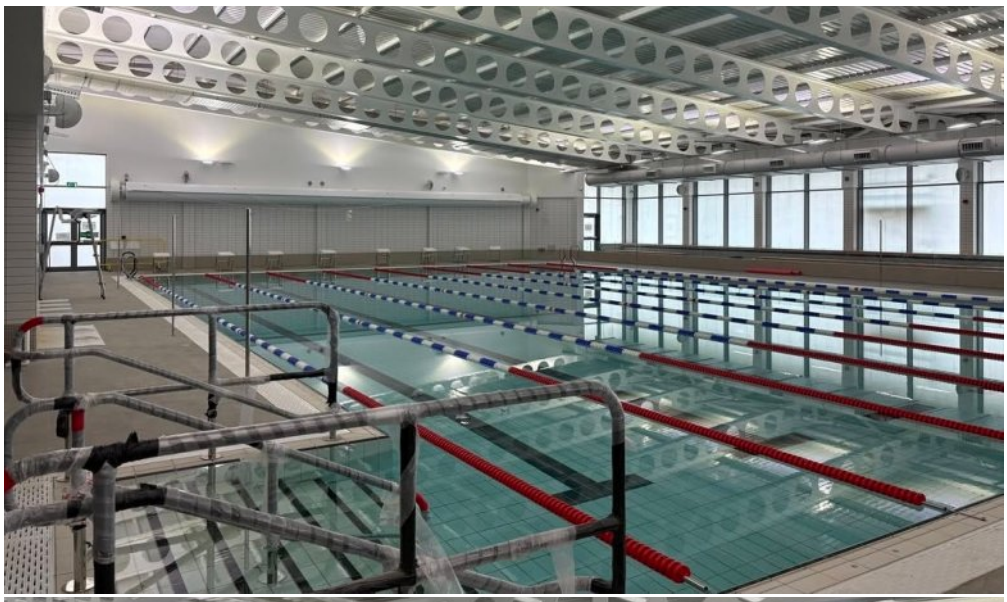
All data regarding throws are based on a terminal velocity of 0.25 m/s

0.25 m/s	0.4 m/s	0.5 m/s	0.7 m/s
x 1.0	x 0.62	x 0.5	x 0.35

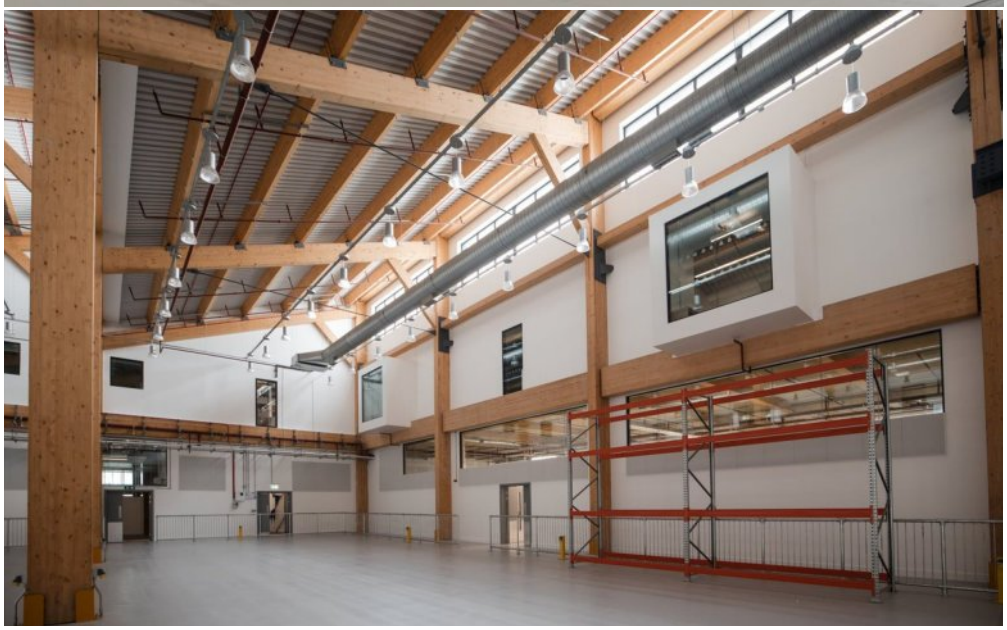
*Please contact our **Sales Office** on 01924 444174 for selection guidance on the above.*

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 444174 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