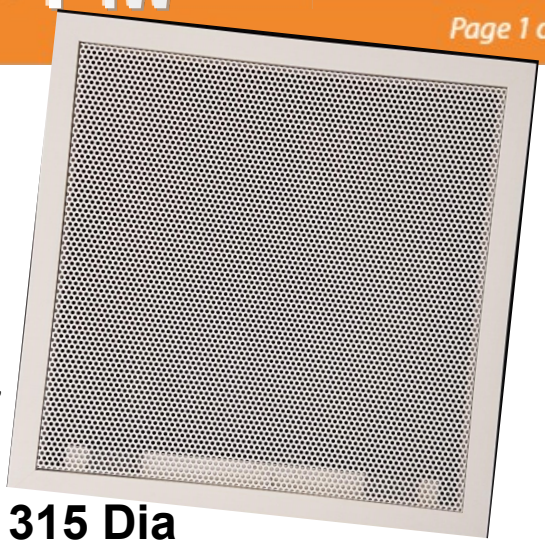
briteair

Swirl Diffuser Type P4W



Suitable for supply and extract air and can be mounted to suit most ceiling tile arrangements. The perforated face offers a discreet appearance within the ceiling and is hinged to allow access to the deflectrols which can be rotated to alter the air discharge pattern – 4, 3, 2 or 1Way.

P4W Performance Data 315 Dia

4 Way

Air Volume l/s	70	80	90	100	110	120	130
Throw (0.25 - 0.5m/s)	1.4 - 0.7	1.5 - 0.8	1.7 - 0.9	1.9 - 1.0	2.1 - 1.0	2.3 - 1.2	2.5 - 1.3
Pd	3	4	5	6	8	9	11
NR Level	<20	<20	<20	20	23	25	28

Air Volume l/s	140	150	160	170	180	190	200
Throw (0.25 - 0.5m/s)	2.7 - 1.4	2.9 - 1.4	3.1 - 1.5	3.3 - 1.7	3.5 - 1.8	3.7 - 2.0	3.9 - 2.2
Pd	13	15	17	19	21	23	26
NR Level	30	32	33	35	37	38	40

3 Way

Air Volume l/s	70	80	90	100	110	120	130
Throw Long Side	1.6 - 0.8	1.8 - 1.0	2.0 - 1.1	2.3 - 1.2	2.5 - 1.2	2.7 - 2.4	2.9 - 1.5
Throw Short Side	1.1 - 0.5	1.3 - 0.6	1.5 - 0.8	1.6 - 0.8	1.8 - 1.0	1.9 - 1.0	2.1 - 1.2
Pd	3	4	5	6	8	9	11
NR Level	<20	<20	<20	20	23	25	28

Air Volume l/s	140	150	160	170	180	190	200
Throw Long Side	3.2 - 1.6	3.4 - 1.8	3.6 - 1.8	3.8 - 2.0	4.1 - 2.1	4.3 - 2.2	4.5 - 2.3
Throw Short Side	2.3 - 1.2	2.4 - 1.2	2.6 - 1.3	2.7 - 1.4	2.9 - 1.5	3.1 - 1.6	3.2 - 1.7
Pd	13	15	17	19	21	23	26
NR Level	30	32	33	35	37	38	40

briteair Swirl Diffuser Type P4W



2 Way

Air Volume l/s	70	80	90	100	110	120	130
Throw (0.25 - 0.5m/s)	2.7	3.1	3.5	3.9	4.3	4.6	5.0
Pd	3	4	5	6	8	9	11
NR Level	<20	<20	<20	20	23	25	28

Air Volume l/s	140	150	160	170	180	190	200
Throw (0.25 - 0.5m/s)	5.4	5.8	6.2	6.6	7.0	7.4	7.7
Pd	13	15	17	19	21	23	26
NR Level	30	32	33	35	37	38	40

1 Way

Air Volume l/s	70	80	90	100	110	120	130
Throw (0.25 - 0.5m/s)	4.1 - 2.0	4.6 - 2.3	5.2 - 2.5	5.8 - 2.8	6.4 - 3.1	7.0 - 3.5	7.6 - 3.7
Pd	3	4	5	6	8	9	11
NR Level	<20	<20	<20	20	23	25	28

Air Volume l/s	140	150	160	170	180	190	200
Throw (0.25 - 0.5m/s)	8.1 - 4.0	8.7 - 4.2	9.3 - 4.5	9.9 - 4.8	10.5 - 5.2	11 - 5.6	11.6 - 5.8
Pd	13	15	17	19	21	23	26
NR Level	30	32	33	35	37	38	40

Performance data is based on Isothermal Supply Air Temperatures

Temperature Differential	,-10°	,°-5	0°	,+5°	,+10°
Multiplication Factor	0.6	0.8	1	1.15	1.3