

AIRFOIL



GRILLES
DUCT
FITTINGS

making it happen sooner...



CIRCULAR DIFFUSER (CD)

Airfoil's Circular Diffuser is manufactured from high-grade aluminium. Its sleek and sophisticated appearance makes it ideal for ceiling mounted supply applications.

The core of the diffuser can be adjusted to suit specific requirements, for example, the Circular Diffuser allows for variable horizontal airflow patterns. The attractive white powder coat finish is standard.

Circular Diffuser Options



*Specific colours and finishes
available on request*

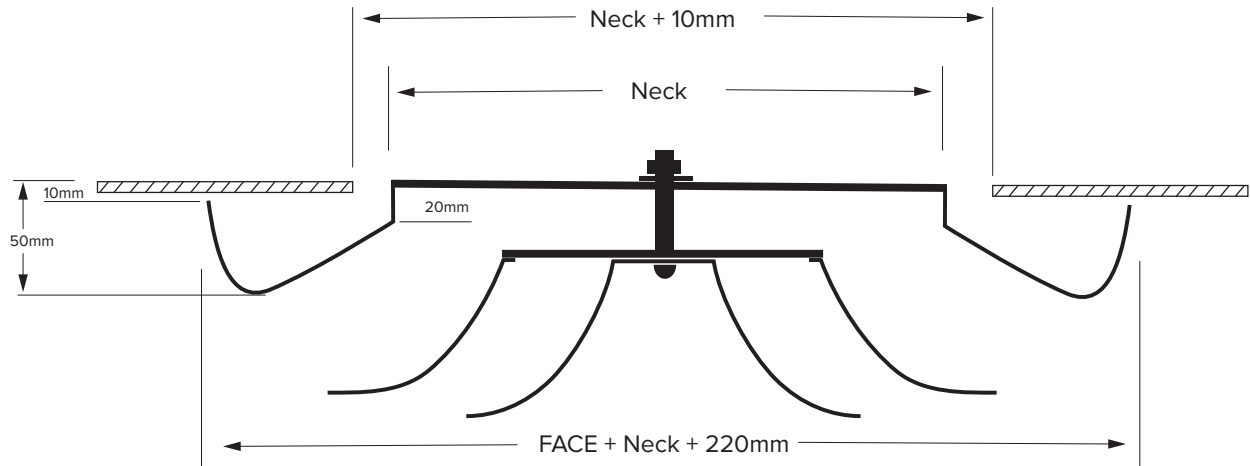
Product specification codes:

CD20	Circular Diffuser with 200 mm neck
CD25	Circular Diffuser with 250 mm neck
CD30	Circular Diffuser with 300 mm neck
CD35	Circular Diffuser with 350 mm neck
CD40	Circular Diffuser with 400 mm neck



CIRCULAR DIFFUSER

Sectional diagram



Performance Data

Nike dia	Neck Vel. m/s	2	2.5	3	3.5	4	4.5	5	6
200 mm	Lit/sec	66	83	99	110	130	150	160	190
	NR	-	-	16	24	29	34	37	40
	Tot. Press (Pa)								
	Rad. Of diffusion/m	0.6 - 1.8	0.8 - 2	1.2 - 2.6	1.2 - 3	1.4 - 3.4	1.4 - 4	1.8 - 4.2	2 - 5.2
250 mm	Lit/sec	100	120	150	170	200	230	250	300
	NR	-	14	20	24	29	33	36	41
	Tot. Press (Pa)	7	11	16	21	27	35	43	60
	Rad. Of diffusion/m	0.8 - 2	0.8 - 2.4	1.2 - 3	1.4 - 3.4	1.4 - 4	1.8 - 4.6	2 - 5	2.4 - 6
300 mm	Lit/sec	140	180	220	260	290	330	370	440
	NR	-	14	20	25	29	33	36	42
	Tot. Press (Pa)	7	11	15	21	27	34	42	58
	Rad. Of diffusion/m	0.8 - 2.4	1.2 - 3	1.4 - 3.6	1.8 - 4	1.8 - 4.6	2 - 5.2	2.4 - 5.8	3 - 7
350 mm	Lit/sec	200	250	300	350	400	450	500	600
	NR	14	21	26	31	35	39	43	49
	Tot. Press (Pa)	10	16	22	30	38	48	59	85
	Rad. Of diffusion/m	1.2 - 3	1.4 - 3.6	1.8 - 4.6	2 - 5.2	2.4 - 6	2.6 - 6.6	3 - 7.2	3.6 - 8.8
400 mm	Lit/sec	260	330	400	460	520	580	640	720
	NR	10	21	26	31	35	39	43	49
	Tot. Press (Pa)	10	17	24	33	41	52	63	89
	Rad. Of diffusion/m	1.4 - 3.2	1.7 - 4.2	2.1 - 5.1	2.4 - 5.9	2.7 - 6.8	3.2 - 7.5	3.6 - 8.2	3.9 - 9.8

Sound values are based on a room absorption of 8dB

Radii of diffusion indicated are at a terminal velocity of 0.75 and 0.25 metres per sec set against flat ceilings

For exposed duct installations multiply radii of diffusion shown in table by 0.7