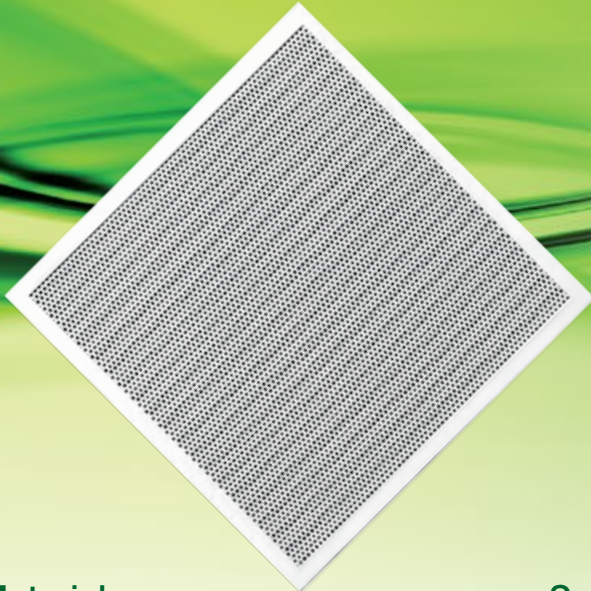


PDC Perforated Face Ceiling Diffuser



ASLI PDC is a type of diffuser with diffuser face is perforated with round openings. It produces uniform flow.

Materials

PDC-A : 1.0mm extruded aluminum frame & 0.8mm galvanized steel perforated face.

PDC-T : 0.8mm galvanized steel frame & 0.8mm galvanized steel perforated face.

Features

- Diffuser face is perforated with round openings. For uniformity, this diffuser series has both supply air & return air.

Surface Finish

- Baked white powder coated.
Others available upon request.

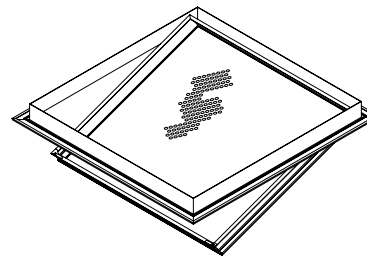
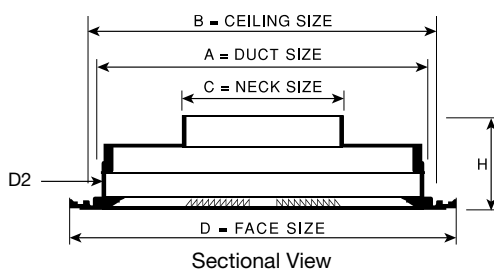
Standard size *Unit : mm*

603 x 603
Others available upon request.

Accessories

- C1 Radial fan blade damper
- C2 Crown damper
- D2 Adapter
- G1 Opposed blade damper
- PB-S Plenum box side entry
- PB-T Plenum box top entry

PDC Physical Dimension *Unit : mm*



Removable Type (Optional)

Model	C - Neck Size	A - Duct Size	B - Ceiling Size	D - Face Size	H - Height
PDC	200	540 x 540	545	603 x 603	80
	250				
	300				
	350				

PDC Perforated Face Ceiling Diffuser

PDC Performance Data (Square Inlet)

Neck Size (mm) Neck Area (m ²)	Neck Vel. (m/s)	2.0	2.5	3.0	3.5	4.0	4.5	5.0
	Vel. Press (mmAq)	0.25	0.4	0.55	0.75	1.0	1.25	1.66
	Neg. SP. (mmAq)	1.3	1.9	2.8	3.9	5.0	6.6	7.6
240 x 240 (0.0576)	CMH	414	518	622	725	830	933	1037
	NC	-	-	-	21	25	29	32
340 x 340 (0.1156)	CMH	832	1040	1250	1456	1665	1873	2080
	NC	-	-	21	24	28	31	35
440 x 440 (0.1936)	CMH	1394	1742	2090	2440	2788	3136	3485
	NC	-	-	22	26	29	34	37
540 x 540 (0.2916)	CMH	2100	2625	3150	3675	4200	4724	5250
	NC	-	21	23	27	31	35	39

PDC Performance Data (Round Inlet)

Neck Size (mm) Neck Area (m ²)	Neck Vel. (m/s)	2.0	2.5	3.0	3.5	4.0	4.5	5.0
	Vel. Press (mmAq)	0.25	0.4	0.55	0.75	1.0	1.25	1.55
ø 200 (0.0324)	CMH	233	292	350	408	467	525	583
	Tot. Press (mmAq)	0.7	1.1	1.6	2.2	2.8	3.5	4.3
	NC	-	-	-	23	26	29	33
	Throw (m)	1.1 - 3.2	1.6 - 4.1	2.2 - 4.6	2.6 - 5.6	3.2 - 6.5	3.6 - 7.0	4.1 - 7.5
ø 250 (0.0507)	CMH	365	456	548	640	730	820	913
	Tot. Press (mmAq)	0.9	1.4	2.0	2.7	3.5	4.4	5.5
	NC	-	-	30	25	29	30	35
	Throw (m)	2.0 - 4.4	2.5 - 5.6	3.2 - 6.8	3.7 - 8.1	4.4 - 8.9	5.0 - 9.7	5.6 - 10.4
ø 300 (0.0731)	CMH	526	658	790	920	1052	1185	1315
	Tot. Press (mmAq)	1.1	1.7	2.4	3.3	4.3	5.4	6.6
	NC	21	26	30	34	38	42	46
	Throw (m)	2.6 - 5.6	3.5 - 7.1	4.1 - 8.6	5.0 - 9.9	5.6 - 11.5	6.3 - 12.6	7.1 - 13.5
ø 350 (0.0979)	CMH	705	881	1057	1234	1410	1585	1762
	Tot. Press (mmAq)	1.3	2.0	2.7	3.8	4.9	6.3	7.6
	NC	22	28	33	36	40	46	49
	Throw (m)	3.5 - 7.1	4.4 - 8.9	5.3 - 11.0	6.2 - 12.8	7.1 - 14.7	8.1 - 16.0	9.0 - 16.8

- Throw is based on terminal velocities of 0.5 m/s-0.25 m/s respectively.
- NC value is based on a room absorption of 10 dB, re 10⁻¹² watts.
- Dash (-) in space indicates NC value less than 20.

- Ducted return data for PDC : Negative SP = Total Press.
NC = Above Plus 2dB

PDC Order Code

Model	Materials	Accessories	Face Size	Neck Size
PDC	A	C1	B 600 x 600	N 200

Example : PDC - A + C1 -B 600 x 600, N 200