

# DP Plate Type Ceiling Diffuser



**ASLI DP** which having esthetic design of a square face. It provide 360° which will enable an even spread of air distribution

## Materials

**DP-T**  
0.7mm SPGC galvanized steel.

## Surface Finish

White powder coated, oven baked as standard.  
*Others available upon request.*

## Standard size *Unit : mm*

450 x 450 / 595 x 595 / 603 x 603  
*Others available upon request.*

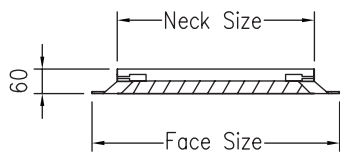
## Features

- Removable core is hooked on the inner frame with spring loaded clip which allow easy adjustment of volume control damper.

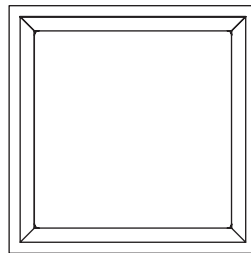
## Accessories

- 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

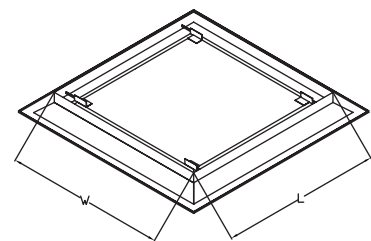
## DP Physical Dimension *Unit : mm*



Sectional View



Top View

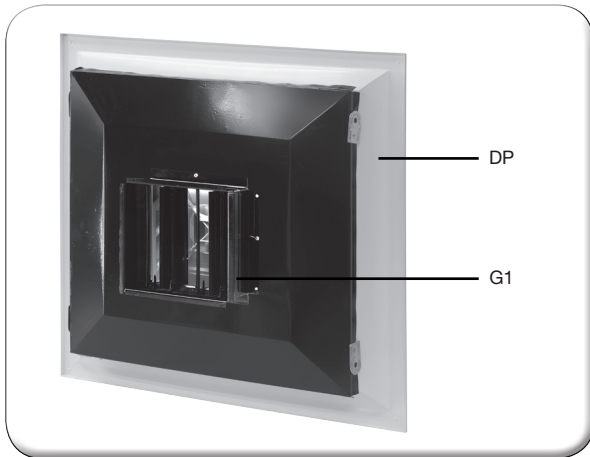


Isometric View

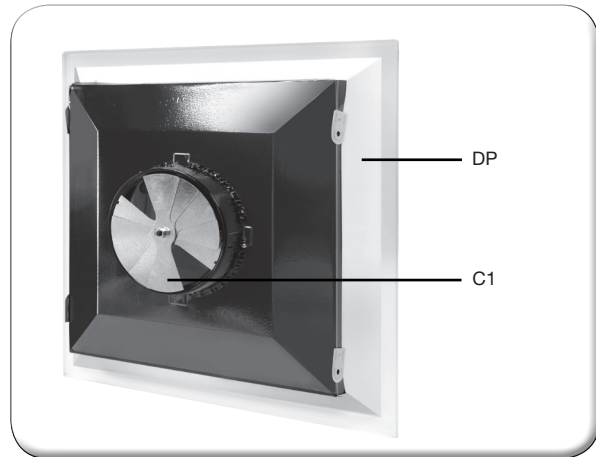
Model	Neck Size	Duct Size	Face Size	Height
DP-T	W x L	W+10 L+10	450 x 450	60
			595 x 595	
			603 x 603	

# DP Plate Type Ceiling Diffuser

## DP + G1 Opposed Blade Damper



## DP + C1 Radial Fan Blade Damper



## DP Performance Data

Neck Size (mm) Neck Area (m <sup>2</sup> )	Neck Vel. (m/s)	2.0	2.5	3.0	3.5	4.0	4.5	5.0
200 x 200 (0.04)	CMH	288	360	432	504	576	648	720
	Total Press (mmAq)	0.8	1.2	1.4	1.9	2.4	3.0	3.8
	Throw (m)	0.9 - 1.8	1.6 - 2.0	1.7 - 2.3	1.9 - 2.7	2.2 - 3.4	2.4 - 3.4	2.7 - 4.0
	NC	-	-	-	-	22	26	30
250 x 250 (0.0625)	CMH	450	563	675	788	900	1013	1125
	Total Press (mmAq)	1.2	1.6	2.0	2.8	3.6	4.6	5.8
	Throw (m)	1.5 - 2.8	1.9 - 3.5	2.1 - 3.8	2.4 - 4.1	3.0 - 4.3	3.0 - 5.0	3.3 - 5.2
	NC	-	-	-	22	26	32	35
300 x 300 (0.09)	CMH	648	810	972	1134	1296	1458	1620
	Total Press (mmAq)	1.6	2.3	3.0	4.0	5.1	6.4	8.0
	Throw (m)	2.0 - 3.8	2.6 - 4.3	3.0 - 4.8	3.3 - 5.0	4.0 - 6.4	4.3 - 7.0	5.1 - 7.2
	NC	-	-	22	25	30	34	38
200 $\phi$ (0.0324)	CMH	233	292	350	408	467	525	583
	Total Press (mmAq)	0.6	0.9	1.1	1.5	1.9	2.4	3.0
	Throw (m)	0.7 - 1.5	1.3 - 1.6	1.4 - 1.8	1.5 - 2.2	1.8 - 2.5	1.9 - 2.8	2.2 - 3.2
	NC	-	-	-	-	-	22	25
250 $\phi$ (0.0507)	CMH	365	456	548	640	730	820	913
	Total Press (mmAq)	0.9	1.3	1.6	2.2	2.9	3.8	4.7
	Throw (m)	1.2 - 2.3	1.5 - 2.8	1.7 - 3.0	1.9 - 3.3	2.4 - 3.5	2.5 - 4.1	2.7 - 4.3
	NC	-	-	-	-	22	26	30
300 $\phi$ (0.0731)	CMH	526	658	790	920	1052	1185	1315
	Total Press (mmAq)	1.3	1.8	2.4	3.2	4.2	5.2	6.4
	Throw (m)	1.6 - 3.1	2.1 - 3.5	2.4 - 3.9	2.7 - 4.8	3.2 - 5.2	3.6 - 5.8	4.2 - 6.0
	NC	-	-	-	22	26	30	33

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

## DP Order Code

Model	Materials	Accessories	Face Size	Neck Size
DP	T	C1	B 603 x 603	N 200

Example : DP - T + C1 - B 603 x 603, N 200