



#### ❖ CPD APPLICATION

The CPD is primarily a supply, return & exhaust air grille which can be used in commercial or industrial and hospital. Application which requires low resistance, high to medium air volume. The perforated face provides a clean design and uncluttered appearance preferred by architects. The CPD grille can be mounted in a panel for a standard T-bar ceiling removable face with transition box.

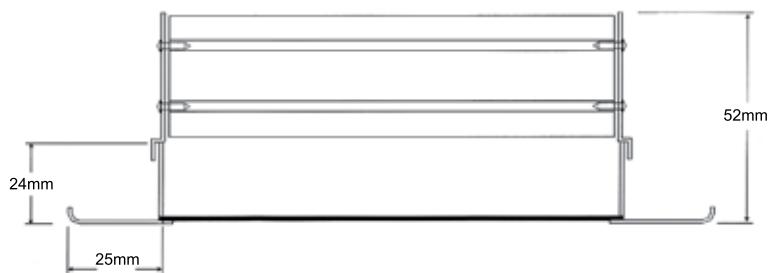
#### ❖ CPD STANDARD CONSTRUCTION / FEATURES

- Face pattern with 51% free area.
- Extruded aluminium external frame, mild steel 6mm dia perforated face.
- Standard size B1200x600, B600x600, B600x300 and B300x300.
- Phosphate treated and powder coated white RAL 9010 as standard.



✿ **CPD OPTIONS**

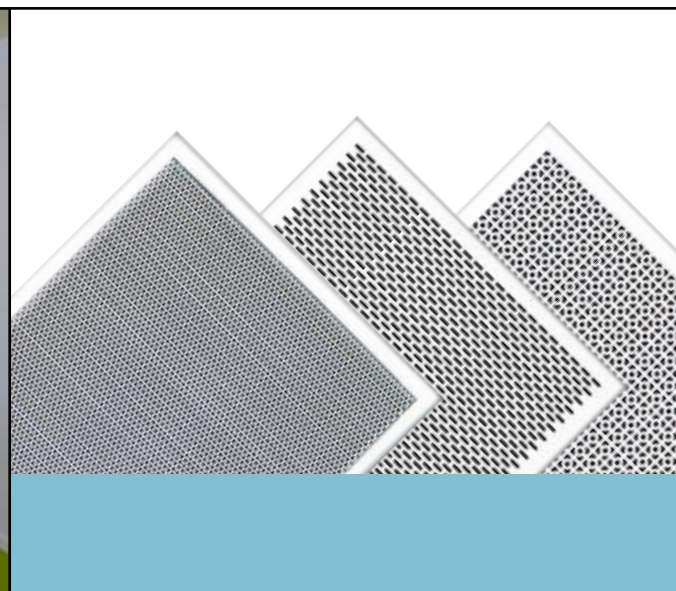
- All Ral color.
- Internal air deflectors.
- Plenum box with or without lining.
- Transition square to round adaptor.
- Opposed blade damper black painted.
- An option with removable face and filter section is available.



✿ **CPD ORDER KEY INFORMATION**

CPD - S + Adp

<b>Accessories</b>	Opposed Blade Damper(OBD), Plenum Box w/o insulation (PB), Transition Square to Round Adaptor(Adp), Insect Netting(IN) Plenum Box c/w 5mm P.E. insulation (PBL).
<b>Material</b>	Extruded Aluminum (A), Galvanized Steel (S), SUS 304 (SUS)
<b>Model</b>	CPD – Perforated Diffuser



### ❖ CPD PERFORMANCE DATA

	Neck Vel	Air Flow	Ps	Pt	Throw	Sound
	Fpm	Cfm	InWg	InWg	ft	NC
DIA 12" Neck	300	300	0.006	0.012	1-3	-
	400	400	0.012	0.022	2-5	21
	500	500	0.018	0.034	4-7	26
	600	600	0.026	0.048	5-8	29
	700	700	0.035	0.066	6-9	33
	800	800	0.046	0.086	7-11	35
	900	900	0.058	0.109	8-12	38
	1000	1000	0.072	0.135	9-13	40
DIA 10" Neck	300	208	0.010	0.015	2-4	-
	400	278	0.017	0.027	3-7	22
	500	347	0.027	0.042	5-8	27
	600	417	0.039	0.061	7-10	29
	700	486	0.053	0.083	8-12	34
	800	556	0.069	0.109	9-13	36
	900	625	0.087	0.137	10-15	39
	1000	694	0.107	0.170	11-16	41
DIA 8" Neck	300	133	0.014	0.019	2-4	-
	400	178	0.024	0.034	4-8	23
	500	222	0.038	0.053	5-10	27
	600	267	0.054	0.076	8-12	31
	700	311	0.074	0.104	9-14	34
	800	356	0.096	0.136	11-16	37
	900	400	0.122	0.172	12-18	40
	1000	444	0.150	0.212	13-19	42
	1100	489	0.182	0.257	15-20	45

**Notes:**

- If the diffuser is mounted on an exposed duct, the throw values are 70% of those listed in the table.
- Throw values are given for terminal velocities of 100, and 50 fpm. (0.5 and 0.25 m/s).
- Throw values are given for Isothermal Conditions.
- NC values are based on Octave Band 2 - 7 sound power levels minus a room absorption of 10dB.
- Dash (-) in space denotes an NC value of less than 20.
- All pressures are given in inches of water. To obtain velocity pressure, subtract the static pressure from the total pressure.

### ❖ CPD OPTIONAL DECORATION PERFORATED PANEL

- Standard Dimensions B603x603 and B595x595.
- For return air only.

