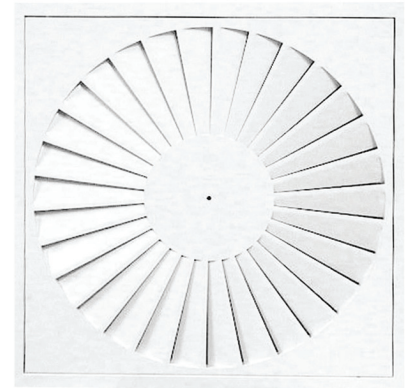


SW-2T SWIRL DIFFUSERS

Duct Size (mm)	Description	Order Code
250	SW-2T Swirl + 250mm Side Entry Box	DCT2634
250	SW-2T Swirl + 250mm Top Entry Box	DCT2614
300	SW-2T Swirl + 300mm Side Entry Box	DCT2635
300	SW-2T Swirl + 300mm Top Entry Box	DCT2613
350	SW-2T + 350mm Side Entry	DCT2615
	SW-2T Swirl Plate only	DCT2636



SW-2T

SW-2T series is a swirl diffuser with fixed radially arranged air control blades. This unique type of slot provides high induction “vortex” air flow, projecting horizontally from the face of diffuser. This swirling air flow produces a diffuser air distribution, with no stationary air jet resulting in excellent uniformity of temperature in air conditioned spaces.

SW-2T is suitable in area of high heat load where large quantities of cool air must be rapidly mixed with room air; areas which require high air change in a short time. The SW-2T series can also be use as a return and exhaust type device.

Materials

- Diffuser Face: 1.0mm thickness galvanized steel.
- Outer Frame: 1.0mm thickness galvanized steel.

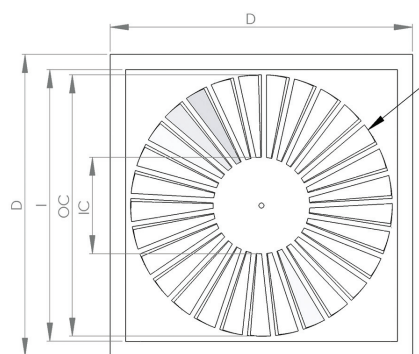
Surface Finish

- White powder coated as standard.

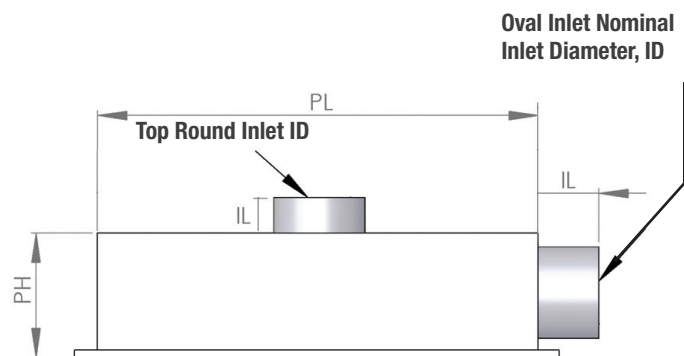
Features

- Diffuser face can be opened without using any tools.
- Volume control damper is adjustable without removing ceiling panel.
- Swirl air pattern provides high induction ratio.
- High coanda effect reduces direct-throw of air on occupants.
- Standard sizes available for T-bar ceiling on metric or imperial size.

DIMENSION INFORMATION



No. of blades = 29

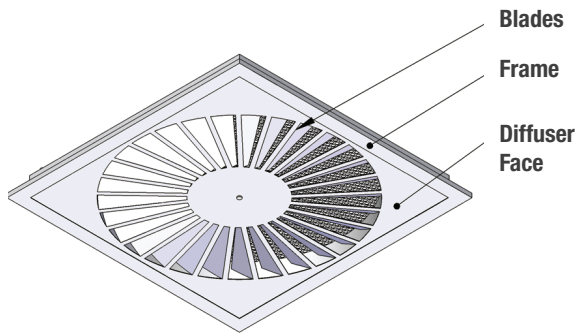


Top View

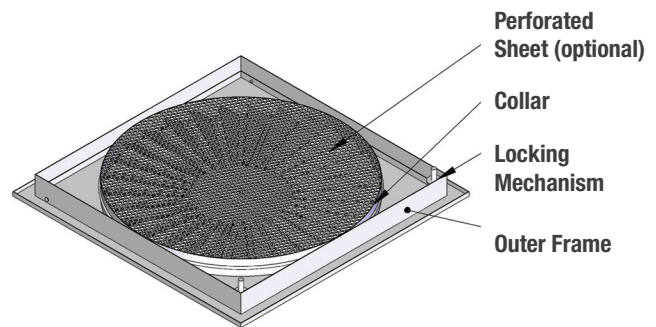
SW-2T with Plenum Box

D	C	ID (nom)	PH	I	OC	IC	PL	IL	AH	CH
	150	150	190							
	200	200	190							
595	250	235	210	535	513	190	580	60	100	60
	300	300	230							
	350	350	250							

TECHNICAL DATA



Isometric Front View



Isometric Back View

PERFORMANCE DATA

Inlet Diameter (mm)	Collar Neck Vel. (m/s)	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
	Vel. Pressure (Pa)	2	3	4	6	8	10	13	16	19	23
150	Throw (m)	0.6 - 1.2	0.9 - 1.5	0.9 - 1.8	1.2 - 1.8	1.5 - 2.1	1.5 - 2.1	1.5 - 2.4	1.8 - 2.4	1.8 - 2.7	1.8 - 2.7
	Tot. Press (Pa)	3	6	9	12	17	22	27	32	39	48
	Flow (l/s)	26	35	44	53	61	70	79	88	97	106
	NR (dB(A))	-	-	-	-	-	-	23	26	30	33
200	Throw (m)	0.6 - 1.2	0.9 - 1.5	0.9 - 2.1	1.2 - 2.1	1.5 - 2.4	1.5 - 2.7	1.8 - 2.7	2.1 - 3.0	2.1 - 3.0	2.1 - 3.4
	Tot. Press (Pa)	4	7	12	17	23	30	37	48	55	65
	Flow (l/s)	47	63	79	95	110	125	141	156	172	188
	NR (dB(A))	-	-	-	21	27	31	35	38	40	41
250	Throw (m)	0.9 - 1.8	1.2 - 2.4	1.5 - 2.7	1.8 - 3.0	2.1 - 3.4	2.4 - 3.7	2.7 - 4.0	2.7 - 4.0	3.0 - 4.3	3.0 - 4.3
	Tot. Press (Pa)	6	11	17	29	39	49	61	76	91	108
	Flow (l/s)	74	99	124	149	171	196	220	245	270	294
	NR (dB(A))	-	-	21	28	34	36	40	42	44	46
300	Throw (m)	1.2 - 2.4	1.5 - 3.0	1.8 - 3.4	2.4 - 4.0	2.7 - 4.3	3.0 - 4.6	3.4 - 4.6	3.7 - 4.9	3.7 - 5.2	3.9 - 5.5
	Tot. Press (Pa)	13	23	35	51	68	90	113	141	170	214
	Flow (l/s)	107	143	179	215	247	282	318	353	388	424
	NR (dB(A))	-	24	30	38	41	44	47	49	51	54