

# SW-SR Sun Type Swirl Ceiling Diffuser

**ASLI SW-SR** is a type of diffuser with adjustable air control blades. The unique configuration enables to perform “swirl” air flow projecting horizontally from the face of diffuser. Its high air induction power enhances air mixing effect and suitable for large air conditioned space where high heat load is produced. It is also suitable for rapid cooling usage.



## Materials

**Diffuser Face** : 0.7mm Galvanized steel.  
**Outer Frame** : 0.7mm Galvanized steel.  
**Guide Vane Holder** : ABS Plastic.  
**Guide Vane** : Aluminium Extrusion.

## Surface Finish

**Diffuser Face** : Baked white powder coated as standard.  
**Outer Frame** : Baked white powder coated as standard.  
**Guide Vane** : Matt black.

## Standard size *Unit : mm*

595 x 595 / 603 x 603

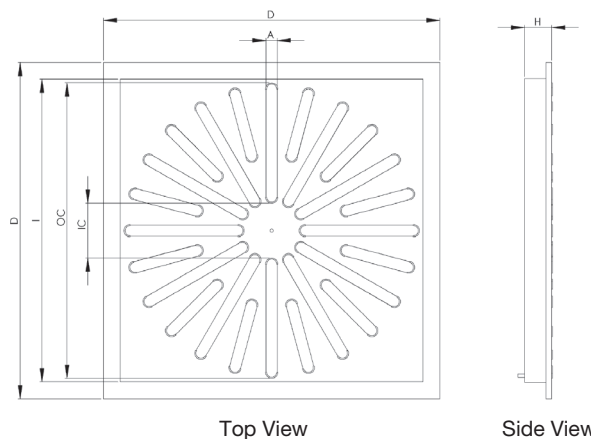
## Features

- Air flow pattern can be adjusted to 1 way, 2 way or swirl.
- High induction power improve air mixing and rapid cooling effect.
- High coanda effect reduces direct-throw of air on occupants.
- Standard size available for T-bar ceiling on metric or imperial size

## 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

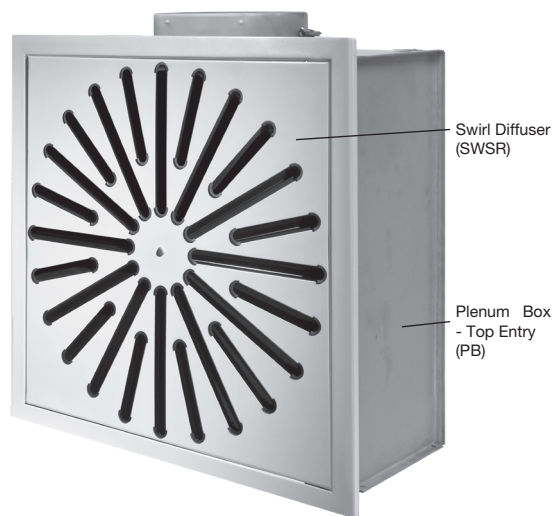
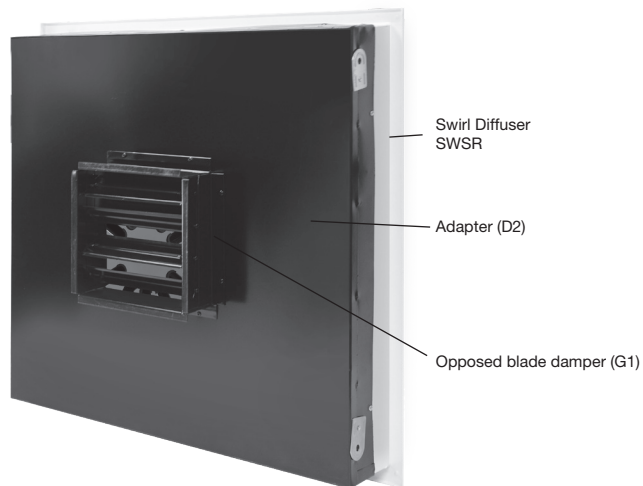
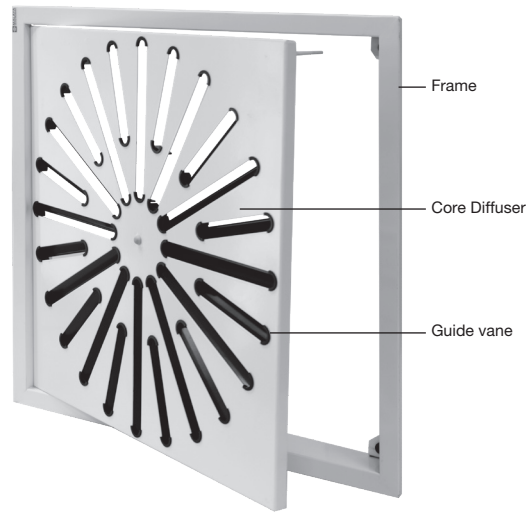
## SW-SR Physical Dimension *Unit : mm*



D	I	OC	IC	H	A
595 / 603	535	520	100	50	20

# **SW-SR Sun Type Swirl Ceiling Diffuser**

## **SW-SR Construction Illustrations**



# SW-SR Sun Type Swirl Ceiling Diffuser

## SW-SR 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. Press (mmAq)	1.5	2.5	4.0	5.5	7.7	10.0	12.7	15.4	18.7	22.4
ø 150	CMH	97	129	161	194	223	254	286	318	350	382
	Tot. Press (mmAq)	0.3	0.6	1.1	1.5	2.0	2.5	3.0	3.5	4.5	5.5
	NC	-	-	-	-	-	20	24	28	32	35
	Throw (m)	0.7-1.3	1.0-1.8	1.0-3.1	1.3-2.3	1.7-2.5	1.7-2.5	1.8-2.8	2.0-3.0	2.1-3.0	2.3-3.0
ø 200	CMH	172	230	285	344	396	452	509	565	622	679
	Tot. Press (mmAq)	0.4	0.9	1.9	2.0	2.7	3.3	4.2	5.4	6.2	7.3
	NC	-	-	23	23	28	32	36	39	41	42
	Throw (m)	0.7-1.3	1.1-1.7	1.7-3.0	1.3-2.4	1.7-2.6	1.8-3.0	2.1-3.0	2.4-3.3	2.4-3.3	2.4-3.7
ø 250	CMH	269	359	419	538	619	707	795	884	972	1060
	Tot. Press (mmAq)	0.7	1.2	2.9	3.2	4.4	5.5	6.9	8.4	10.0	12.2
	NC	-	-	23	29	35	37	42	43	46	48
	Throw (m)	1.0-2.0	1.3-2.6	1.7-3.0	2.0-3.3	2.3-3.7	2.6-4.1	3.0-4.4	3.0-4.4	3.3-4.7	3.3-4.7
ø 300	CMH	388	517	646	775	891	1018	1145	1272	1400	1527
	Tot. Press (mmAq)	1.7	2.7	3.9	5.6	7.6	10.1	12.6	15.6	18.9	23.9
	NC	21	25	31	39	42	45	48	50	52	55
	Throw (m)	1.3-2.5	1.6-3.3	1.1-3.7	2.5-4.5	3.1-4.7	3.5-5.1	3.7-5.1	4.2-4.7	4.2-5.7	4.6-6.1

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

## SW-SR Order Code

Model	Accessories	Face Size	Neck Size
SW-SR	C1	B 603 x 603	N 200

Example : SW-SR + C1 - B 603 x 603, N 200