

SWIRL DIFFUSER

FEATURES

- KYODO series SW-3 curve-blade swirl diffuser is a type of diffuser with fixed radially arranged curved air control blades.
- The curve profile of the blades and opening allow the air to be delivered horizontally with cyclone characteristic, which provides better induction vortex air flow than normal straight profile swirl diffuser.
- This swirling air flow produce a diffuse air distribution, with no stationary air jet resulting excellent uniformity of temperature in air conditioned space.
- Can also be used as a return and exhaust type device.
- Constructed of aluminium or galvanized steel.

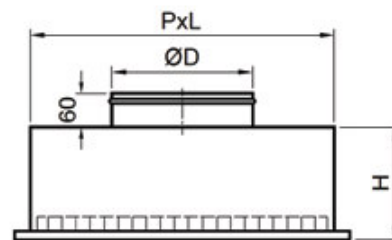
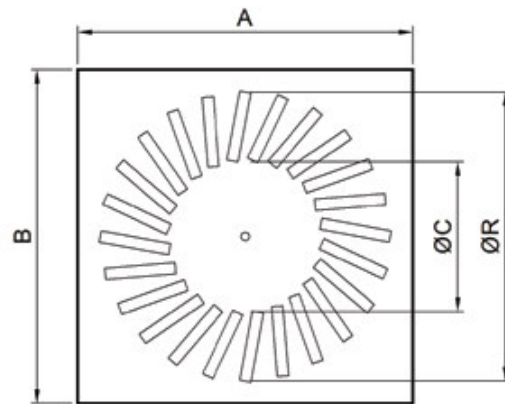
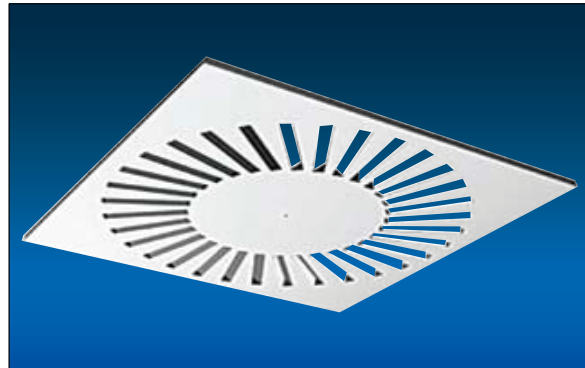
FINISH

Standard finish in baked white enamel.
Other colours are available on request.

ACCESSORIES

- Radial blade volume damper (SED II).
- Plenum Box.

MODEL: SW-3



DIMENSIONS

D	A	B	R	C	P	L	H
Φ150	595	595	Φ530	Φ230	559	559	200
Φ200	595	595	Φ530	Φ230	559	559	200
Φ250	595	595	Φ530	Φ230	559	559	200
Φ300	595	595	Φ530	Φ230	559	559	200

TECHNICAL PERFORMANCE DATA

MODEL: SW-3

NECK SIZE D (mm)	Neck Velocity (m/s)	2.0	2.5	3.0	3.5	4.0	4.5	5.0	6.0
Φ 150	Air Volume CMH	130	160	190	225	255	290	320	385
	Throw (m)	0.9	1.0	1.2	1.4	1.5	1.6	1.8	1.9
	S.P. (Pa)	5	7	11	13	17	20	24	38
	NC	<20	<20	<20	<20	20	26	28	36
Φ 200	Air Volume CMH	230	285	340	395	455	510	565	680
	Throw (m)	0.9	1.0	1.2	1.4	1.6	1.8	2.0	2.2
	S.P. (Pa)	7	12	17	21	27	31	45	60
	NC	<20	21	24	30	34	38	40	44
Φ 250	Air Volume CMH	355	445	530	620	710	795	885	1060
	Throw (m)	1.2	1.4	1.8	2.1	2.3	2.5	2.7	3.0
	S.P. (Pa)	12	18	31	42	52	63	77	112
	NC	22	24	30	37	40	42	44	46
Φ 300	Air Volume CMH	510	640	765	890	1020	1145	1275	1530
	Throw (m)	1.5	1.8	2.3	2.7	2.9	3.3	3.7	3.9
	S.P. (Pa)	26	39	59	78	104	134	165	250
	NC	27	34	40	44	47	49	52	56

- NC - Based on room absorption of 10dB, re 10⁻¹² watts.
- SP - Static Pressure drops are in Pascals.
- Throw - Throw at 0.5m/s terminal velocity in metres.