



Air Outlets

SWIRL DIFFUSERS

SW-D



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Pro-airoutlets.com

SWIRL DIFFUSERS SW-D

TYPES

- SW-D : SWIRL DIFFUSERS.



FEATURES

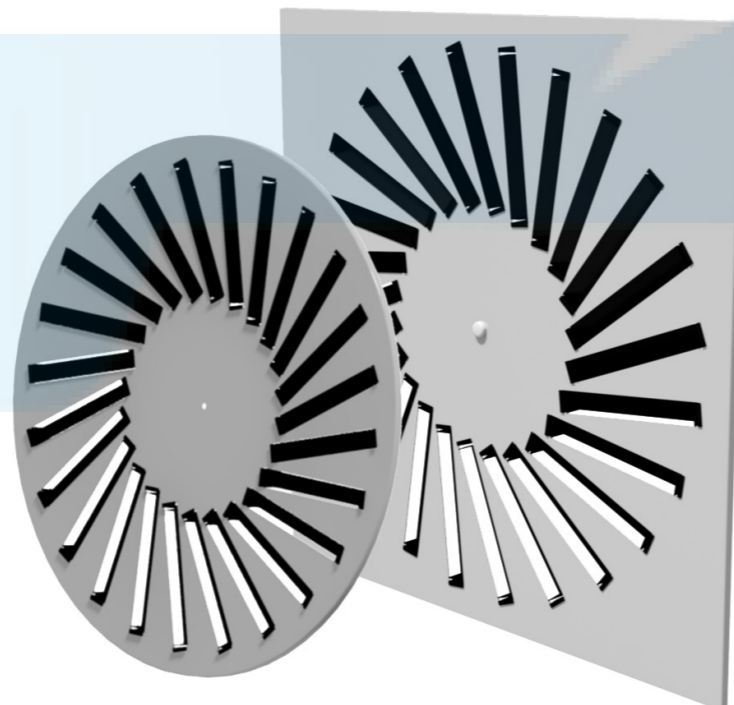
MATERIALS

- THE SWIRL DIFFUSERS MADE FROM 1.2 MM THICK PRESSED SHEET STEEL.
- THE REAR COLLAR MADE FROM 0.8 MM SHEET STEEL.
- THE PLENUM BOX MADE FROM GALVANIZED STEEL.

FINISH

- STANDARD FINISH WHITE OR ANY OTHER COLOUR ARE AVAILABLE ON REQUEST .

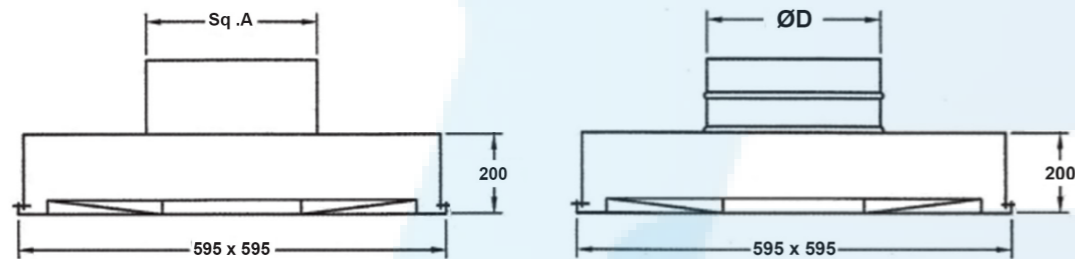
- THE SWIRL DIFFUSERS ARE DESIGNED TO ENSURE CONSIDERABLE AIR DISCHARGE IN LOW AND HEIGHT ROOMS , GUARANTEEING A HIGH DEGREE OF COMFORT.
- THE SLOTTED ROTARY FACE DESIGN AND THE CIRCULAR PATTERN OF THE RADIAL FIXED VANES PROVIDE THE SWIRL AIR HORIZONTAL DISTRIBUTION ALL OVER THE OCCUPANT AREA.
- SUPPLY AIR JET VELOCITY IS EFFECTIVELY REDUCED DUE TO HIGH MIXING EFFECT .
- THE SWIRL DIFFUSER CAN ALSO BE USED FOR SUPPLY OR EXTRACT AIR FIXED BLADE SWIRL DIFFUSER OFFERING EXCELLENT PERFORMANCE AT LOW TO MEDIUM AIR VOLUMES .
- SUITABLE FOR VARIABLE AND CONSTANT VOLUME .
- SUITABLE FOR CEILING OR DUCT MOUNTING.
- THE SWIRL DIFFUSER CAN BE FIXED UP TO A HEIGHT OF 4.5M.
- FIXED BLADE SWIRL DIFFUSER INTEGRATED INTO A PLATE 595X595 MM, FOR TILE REPLACEMENT.
- AVAILABLE IN CIRCULAR FORMATS 150, 200, 250 ,300 MM AND ETC...
- MATCHING PLENUM BOXES (CIRCULAR/SQUARE).



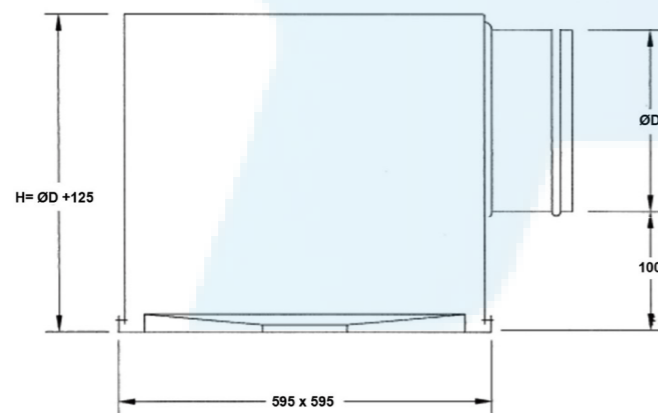
DIMENSIONAL DETAILS

ROUND OR SQUARE NECK ADAPTORS

Size Width (mm)	Neck Size (mm)	
	Round	Square
595x595	150	150x150
	200	200x200
	250	250x250
	300	300x300



Size Width (mm)	Neck Size (mm)		Width (mm)	Height (mm)
	Round	Square		
595x595	150	150x150	595	275
	200	200x200		325
	250	250x250		375
	300	300x300		425



PERFORMANCE DATA

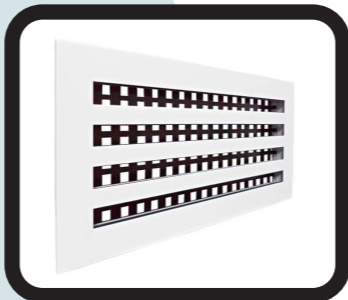
Selection Data - Swirl Diffusers Type SW-D

Size (mm)	Neck Size (mm)	Velocity (VK) Fpm		200	300	400	500	600	700	800	900	1000	1100	1200	1300	
		Vel.Pr (in. of wg)	NC													
595 x 595	Ø 150	Air flow (cfm)	NC	38	57	76	95	114	133	152	171	190	209	228	247	
		Total Pressure	0.004	0.012	0.022	0.034	0.049	0.067	0.087	0.106	0.126	0.145	0.165	0.188	0.219	
	150x150	Throw	1-3	2-4	3-5	4-6	5-7	5-7	5-7	5-7	5-7	5-8	6-8	6-9	6-9	7-9
		Air flow (cfm)	68	101	135	169	203	237	271	304	338	372	406	440	474	508
	200x200	Total Pressure	0.008	0.017	0.030	0.047	0.067	0.094	0.117	0.145	0.173	0.201	0.229	0.257	0.285	0.313
		Throw	2-3	2-4	3-5	3-7	4-7	5-8	5-9	6-9	7-10	7-11	7-11	7-11	7-11	8-11
	Ø 250	Air flow (cfm)	106	159	211	264	317	370	423	476	528	581	634	687	740	793
		Total Pressure	0.011	0.024	0.043	0.068	0.104	0.144	0.191	0.240	0.297	0.358	0.427	0.496	0.565	0.634
	250x250	Throw	-	10	16	21	28	34	40	46	52	58	64	70	76	82
		Air flow (cfm)	152	228	304	380	457	533	609	685	761	837	913	989	1065	1141
	Ø 300	Total Pressure	0.023	0.053	0.094	0.138	0.199	0.271	0.354	0.448	0.554	0.670	0.796	0.932	1.068	1.204
		Throw	9	18	24	30	38	41	44	47	49	51	53	55	57	59
	300x300	Throw	3-5	4-8	5-10	6-11	8-13	9-14	10-15	10-15	10-15	11-15	12-16	12-17	12-17	12-17
		Air flow (cfm)	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500

Noise criteria (NC) based on a room attenuation of 8 db.
 The maximum Throw dimensions in feet is based on velocity throw of 50 FPM.
 The minimum Throw dimensions in feet is based on velocity throw of 100 FPM.



Linear Slot Diffusers LSD



Linear Bar Grilles LBG

External Louvers EX-L



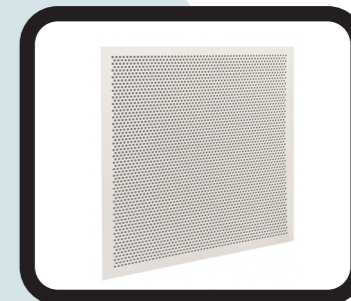
Square Ceiling Diffusers SCD



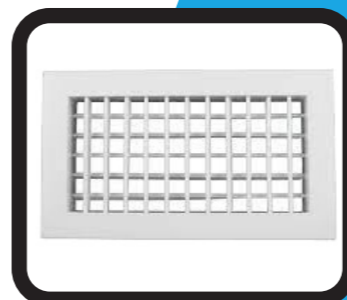
Jet Nozzles JN



Perforated Ceiling Diffusers PCD



Grilles And Registers SR



Swirl Diffusers SW-D

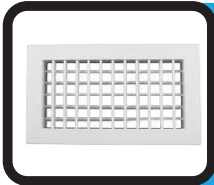


Volume Control Dampers VCD

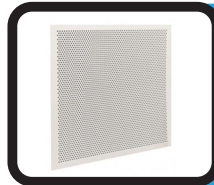


Curtain Fire Dampers FD-C





GRILLES AND REGISTERS



**PERFORATED CEILING
DIFFUSERS**



**SQUARE & RECTANGULAR
& Circular CEILING
DIFFUSERS**



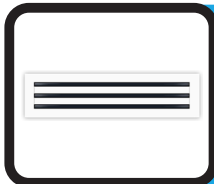
GRAVITY SHUTTERS



**LINEAR BAR
GRILLES®ISTERS**



TRANSFER GRILLES



**Linear Slot
Diffusers**



DISC VALVES



EXTERNAL LOUVERS



SWIRL DIFFUSERS



SAND TRAP LOUVERS



**VOLUME CONTROL
DAMPERS**



JET NOZZLES



**CURTAIN FIRE
DAMPERS**



JET DIFFUSERS



**SMOKE MOTORIZED
DAMPERS**

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