

WS400

SQUARE SWIRL DIFFUSER WITH FIXED BLADES



RECTANGULAR



CEILING



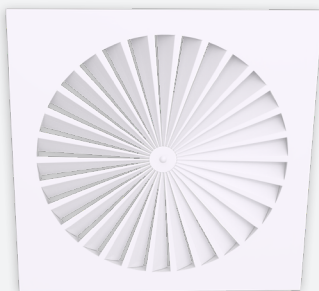
SWIRL



SUPPLY



EXHAUST



VARIANTS

WS400_S, WS400_T

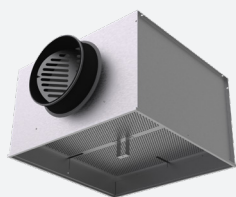
The swirl diffuser type WS400 is equipped with fixed blades. It is designed for installation in modular ceiling systems but can also be surface mounted. A high induction is obtained through the excellent swirl effect. The diffuser has a strong coanda effect over a wide temperature range (also at low flow rates) which makes it optimally suited for VAV applications.

Non-adjustable air pattern with fixed blades

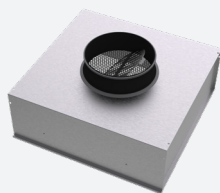
High induction with strong coanda effect

Optimally suited for VAV applications

ACCESSORIES



WP100S



WP100T

TECHNICAL INFORMATION

APPLICATION	Type	Supply or exhaust
	Airflow direction	Horizontal
CONSTRUCTION	Frontplate	Central screw fixing
	Nominal sizes	Ø125, 160, 200, 250, 315
	Standard panel sizes	294x294, 394x394, 494x494, 594x594mm
MATERIAL	Standard material	Frontplate: powder coated sheet steel Plenum: galvanised (275g/m ²) sheet steel
	Spigot plenum	PP/TPE spigot, Class D spigot with double lip seal
	Standard finishing	Powder coating RAL9010
	Product finishing options	Powder coating RAL of choice
	Insulation (optional)	Melamine 6mm
	Volume control (optional)	Galvanised perforated volume flow controller with manual operation
MOUNTING	Mounting options	Equipped with mounting eyes (Ø 7mm), mounting straps available upon request

QUICK SELECTION

Supply Q _v [m³/h]				
ØN [mm]	A [mm]	L _w	WS400 + WP100S	WS400 + WP100T
125	294	25 dB(A)	113	129
		35 dB(A)	159	183
160	394	25 dB(A)	191	220
		35 dB(A)	270	312
200	494	25 dB(A)	243	274
		35 dB(A)	346	395
250	594	25 dB(A)	378	456
		35 dB(A)	544	644
315	594	25 dB(A)	472	509
		35 dB(A)	667	716

EFFECTIVE AIR DISCHARGE AREA

Supply A _k [m²]	ØN [mm]				
	125	160	200	250	315
	0,011	0,028	0,028	0,056	0,056

PRODUCT KEY

SQUARE SWIRL DIFFUSER WITH FIXED BLADES

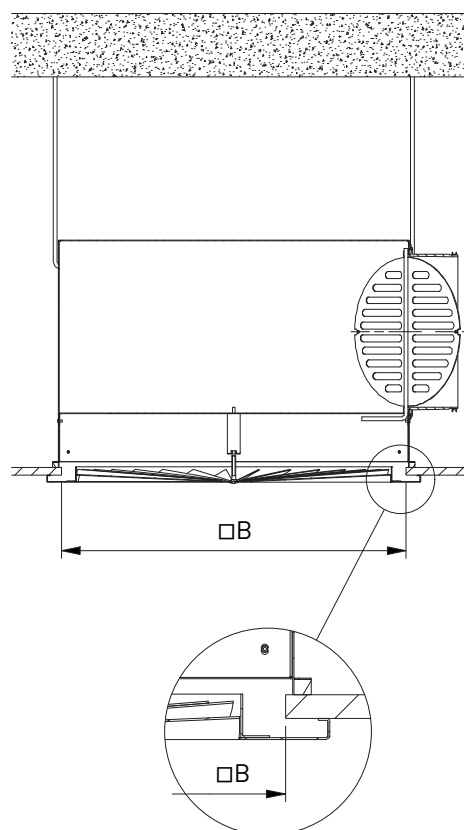
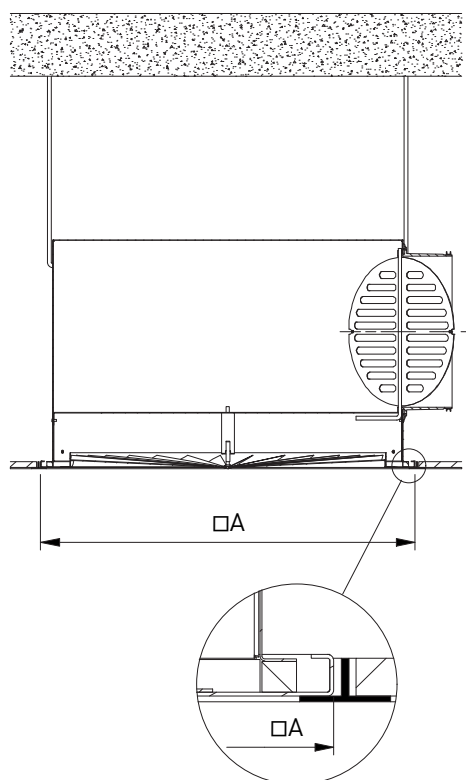
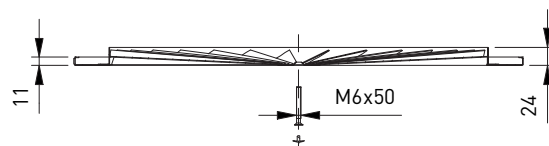
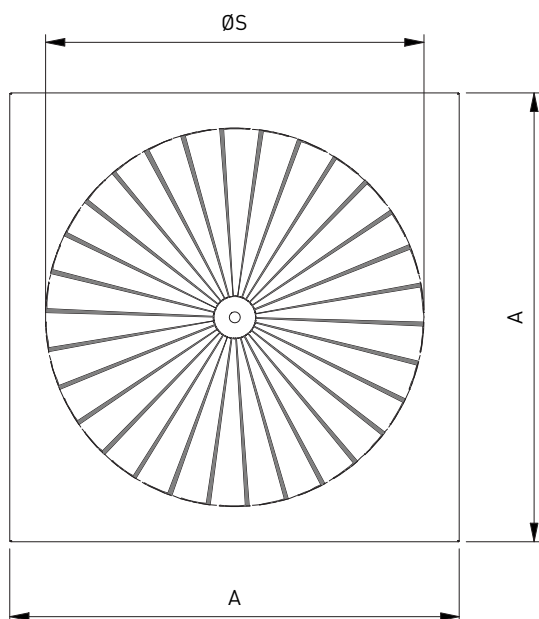
W	S	4	0	0	-	F	0	2	5	0	0	5	9	4
							Nominal size ØN (mm): 125, 160, 200, 250, 315					Panel size A (mm): 294, 394, 494, 594		
							F: Coated							

PLENUM FOR SQUARE SWIRL DIFFUSER

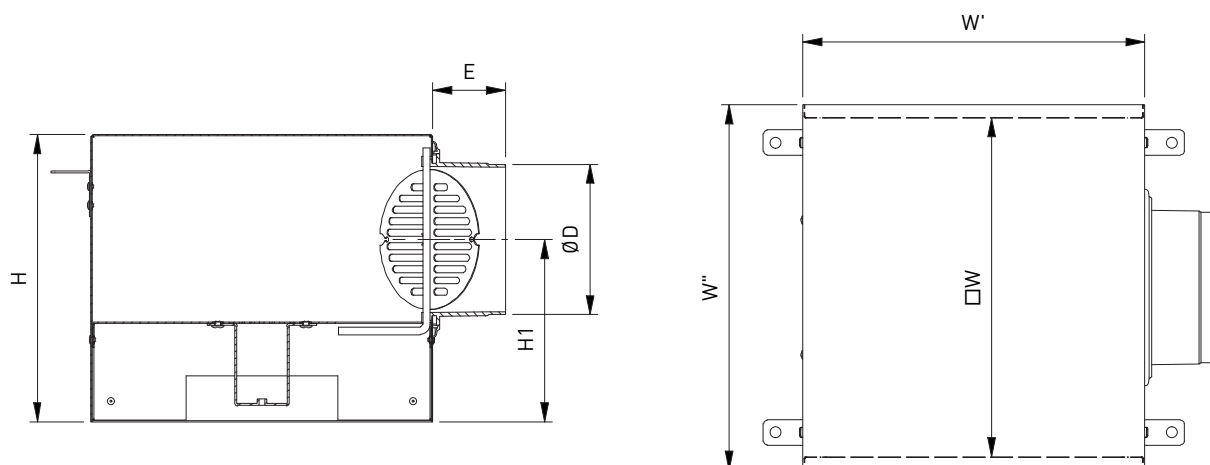
W	P	1	0	0	S	-	-	0	0	2	5	0	0	5	9	4
									Spigot ØD (mm): 125, 160, 200, 250, 315			Plenum size (mm): 294, 394, 494, 594				
									0: Without mounting straps 1: With mounting straps							
									- : Without damper D : With damper							
									-: Non insulated plenum G: Insulated plenum							
									S: Side connection T: Top connection							
									0: Supply - with perfo 2: Exhaust - without perfo, with bracket for central screw fixing							

SQUARE SWIRL DIFFUSER WITH FIXED BLADES AND MOUNTED PLENUM

W	S	4	0	0	-	F	S	-	-	0	0	2	5	0	0	5	9	4
											Nominal size ØN (mm): 125, 160, 200, 250, 315				Panel size A (mm): 294, 394, 494, 594			
											0: Without mounting straps 1: With mounting straps							
											- : Without damper D : With damper							
											-: Non insulated plenum G: Insulated plenum							
											S: Side connection T: Top connection							
											F: Coated							



WP100S-D1/125/294

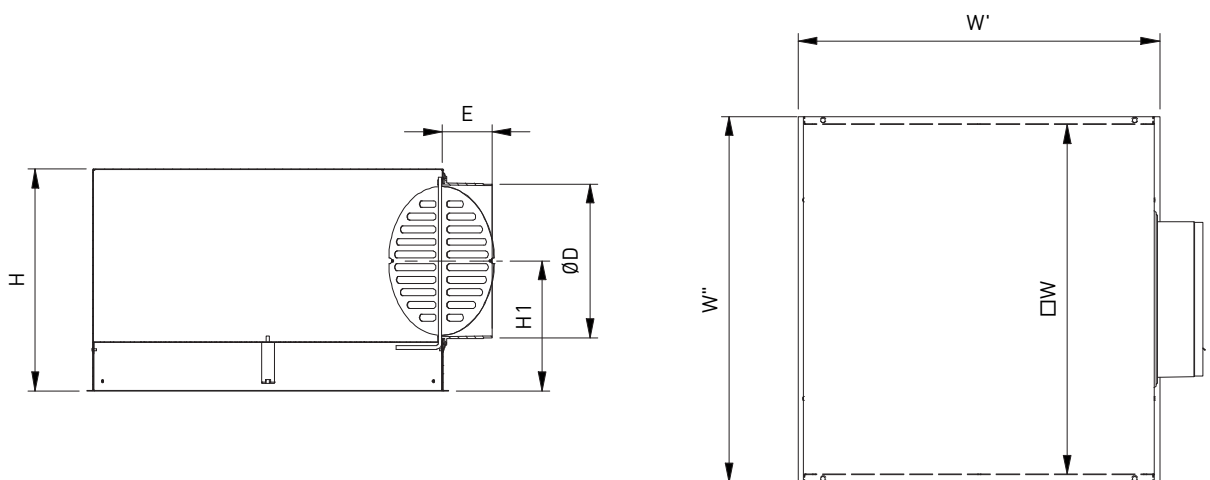


WP100S-D0/160/394

WP100S-D0/200/494

WP100S-D0/250/594

WP100S-D0/315/594

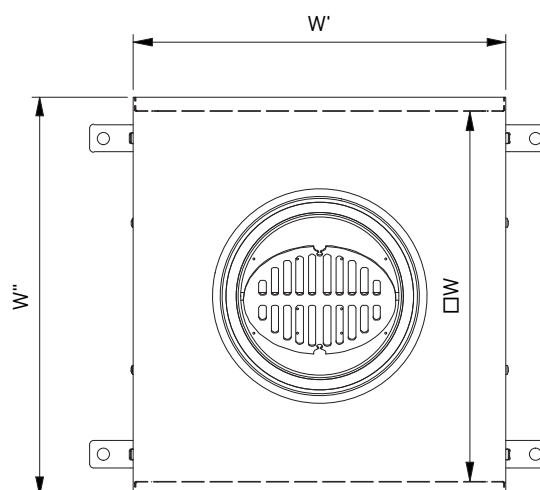
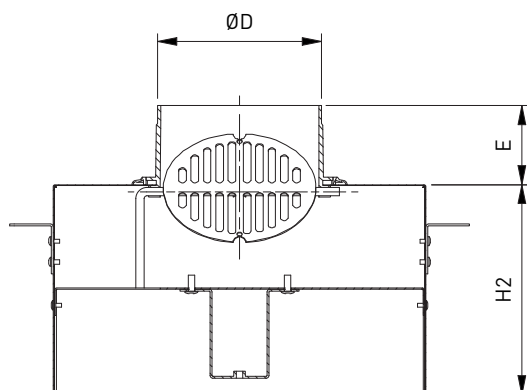


DIMENSIONS

ØN	A	B	ØD	E	H	H1	H2	ØS	W	W' x W''
125	294	268	125	58	227	145	152	250	269	271 x 290
160	394	353	160	58	262	162	202	350	356	374 x 381
200	494	453	200	58	302	182	202	350	456	474 x 481
250	594	553	250	78	352	207	202	500	555	574 x 580
315	594	553	315	50	417	248	202	500	555	574 x 580

All dimensions in mm

WP100T-D1/125/294



WP100T-D0/160/394

WP100T-D0/200/494

WP100T-D0/250/594

WP100T-D0/315/594

