

# WT100

## SQUARE SWIRL DIFFUSER WITH ADJUSTABLE AIR PATTERN



### VARIANTS

WT100\_S, WT100\_T

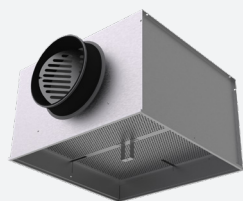
The swirl diffuser type WT100 is equipped with orientable plastic deflectors. It is designed for installation in modular ceiling systems but can also be surface mounted. A high induction is obtained through the excellent swirl effect. The diffuser has a strong coanda effect over a wide temperature range (also at low flow rates) which makes it optimally suited for VAV applications.

Adjustable air pattern through orientable deflectors

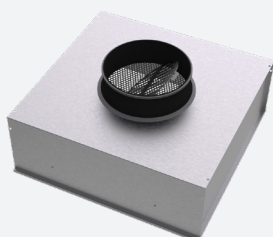
High induction with strong coanda effect

Optimally suited for VAV applications

### ACCESSORIES



WP100S



WP100T

### TECHNICAL INFORMATION

APPLICATION	Type	Supply or exhaust
	Airflow direction	Horizontal, adjustable
CONSTRUCTION	Frontplate	Central screw fixing
	Nominal sizes (number of deflectors)	Ø125 (9), 160 (12), 200 (24), 250 (36), 315 (48), 355 (48)mm
	Standard panel sizes	294x294, 394x394, 494x494, 594x594, 819x819mm
MATERIAL	Standard material	Frontplate: powder coated sheet steel Deflectors: ABS Plenum: galvanised (275g/m <sup>2</sup> ) 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 <sub>v</sub> [m <sup>3</sup> /h]				
ØN [mm]	A [mm]	L <sub>w</sub>	WT100 + WP100S	WT100 + WP100T
125 (9)	294	25 dB(A)	102	123
		35 dB(A)	142	167
160 (12)	394	25 dB(A)	130	129
		35 dB(A)	186	188
200 (24)	494	25 dB(A)	266	260
		35 dB(A)	363	353
250 (36)	594	25 dB(A)	336	353
		35 dB(A)	464	495
315 (48)	594	25 dB(A)	481	462
		35 dB(A)	636	617
355 (48)	819	25 dB(A)	458	524
		35 dB(A)	640	745

### EFFECTIVE AIR DISCHARGE AREA

Supply A <sub>k</sub> [m <sup>2</sup> ]	ØN [mm]					
	125 (9)	160 (12)	200 (24)	250 (36)	315 (48)	355 (48)
	0.0152	0.0207	0.0271	0.0456	0.0804	0.0902

## PRODUCT KEY

## SQUARE SWIRL DIFFUSER WITH ADJUSTABLE AIR PATTERN

W	T	1	0	0	-	F	0	2	5	0	0	5	9	4
							Nominal size ØN (mm): 125, 160, 200, 250, 315, 355					Panel size A (mm): 294, 394, 494, 594, 819		
							F: Coated							
							0: Black ABS deflectors 1: White ABS deflectors 2: Without deflectors (exhaust)							

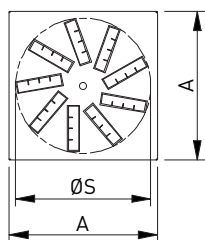
## PLENUM FOR SQUARE SWIRL DIFFUSER

W	P	1	0	0	S	-	-	0	0	2	5	0	0	5	9	4
									Spigot ØD (mm): 100, 125, 160, 200, 250, 315			Plenum size (mm): 294, 394, 494, 594, 819				
									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							

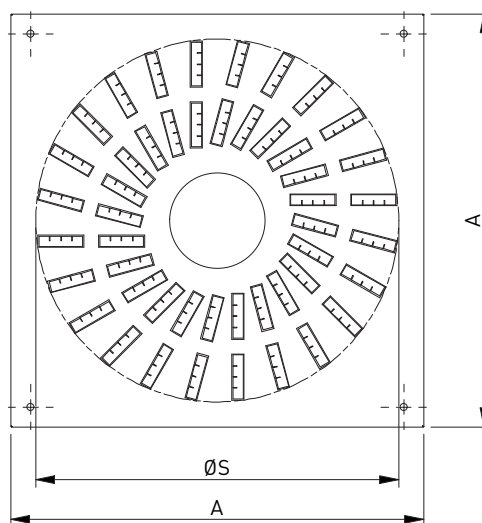
## SQUARE SWIRL DIFFUSER WITH ADJUSTABLE AIR PATTERN AND MOUNTED PLENUM

W	T	1	0	0	-	F	S	-	-	0	0	2	5	0	0	5	9	4
											Nominal size ØN (mm): 125, 160, 200, 250, 315, 355			Panel size A (mm): 294, 394, 494, 594, 819				
											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							
											0: Black ABS deflectors 1: White ABS deflectors 2: Without deflectors (exhaust)							

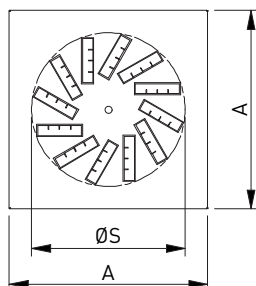
125 [9]



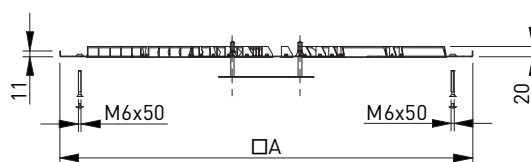
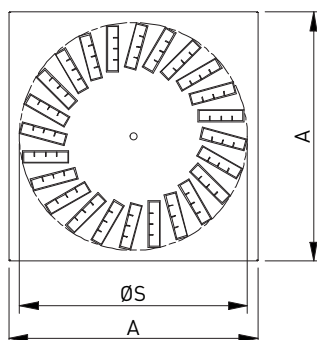
355 [48]



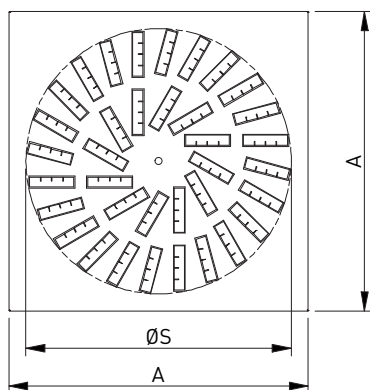
160 [12]



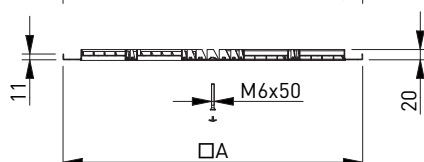
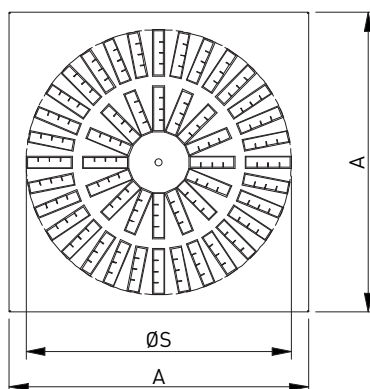
200 [24]



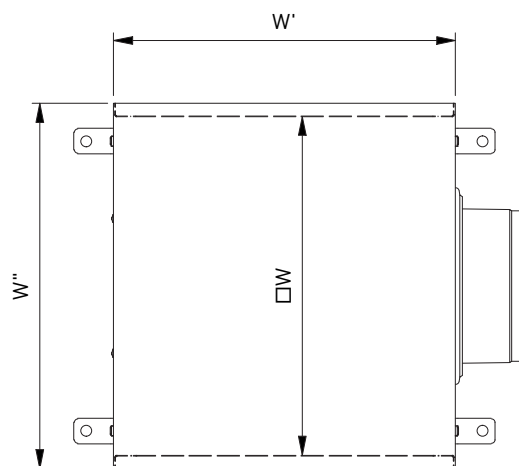
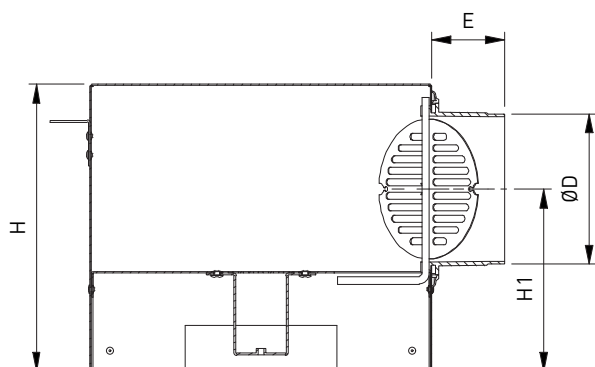
250 [36]



315 [48]



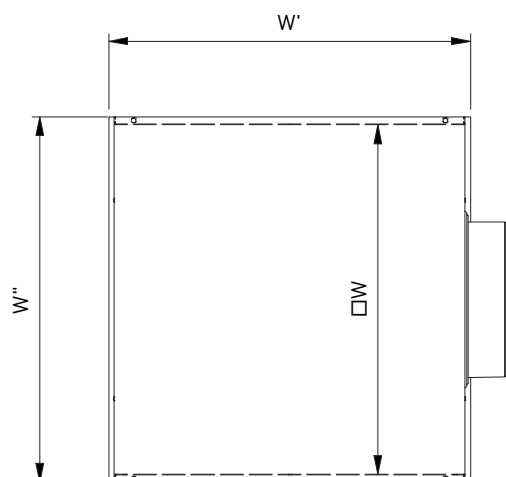
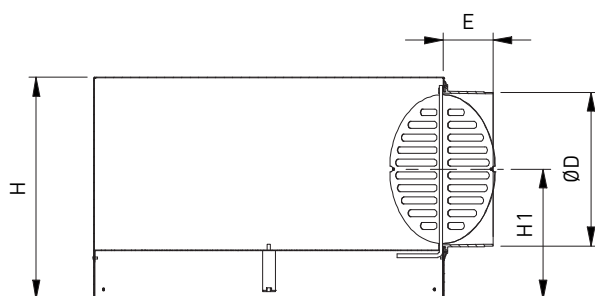
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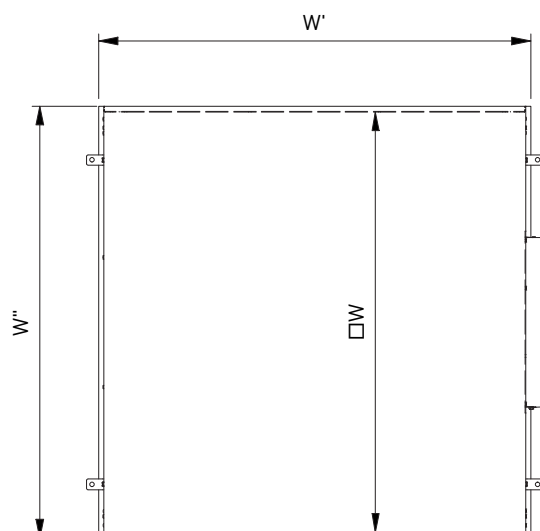
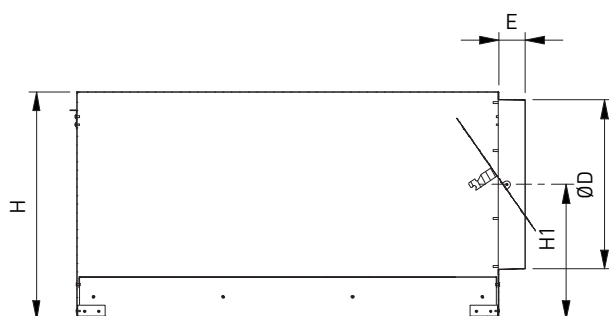
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## WP100S-D0/200/494

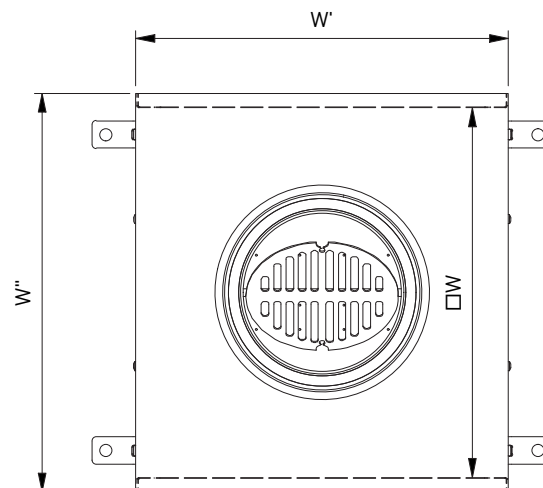
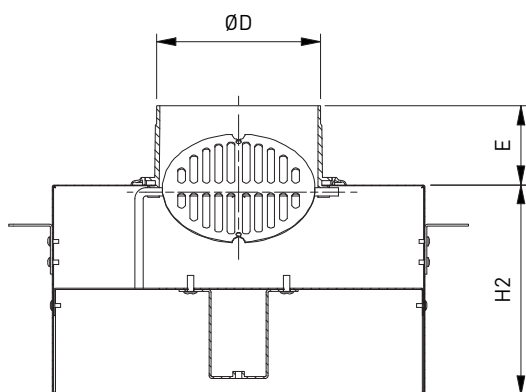
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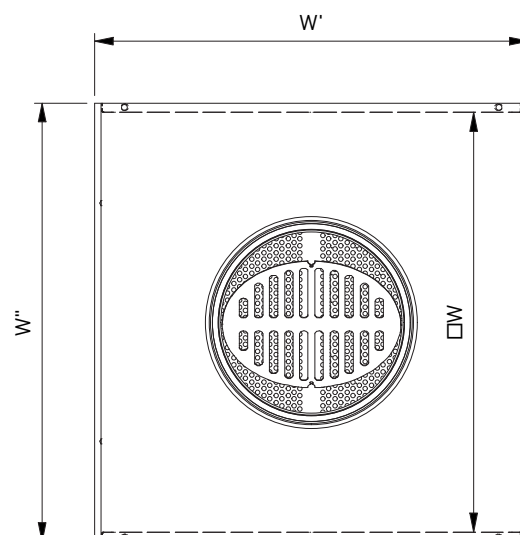
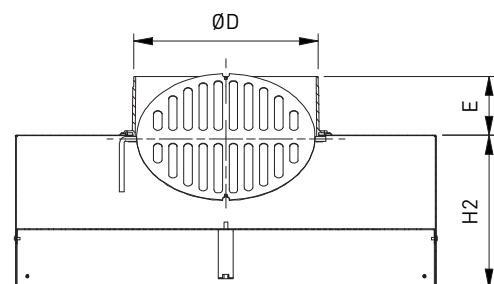
## WP100S-D1/315/819



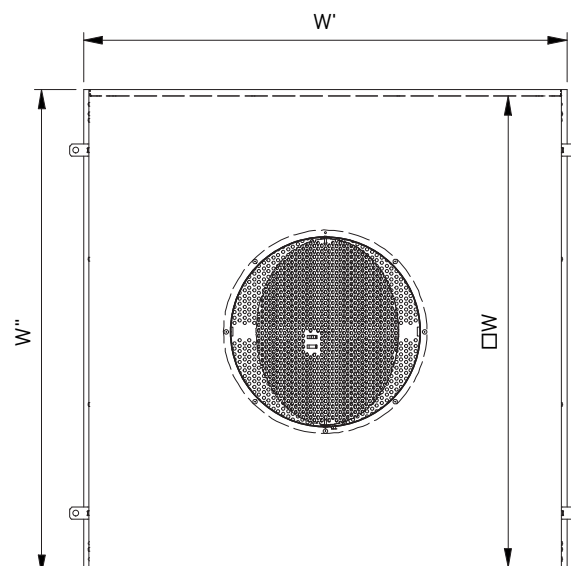
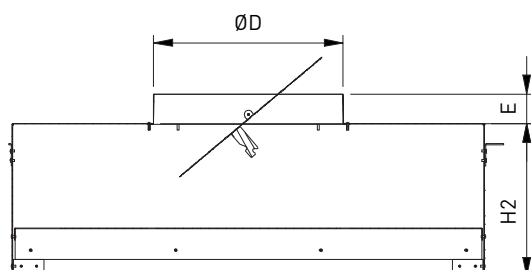
WP100T-D1/125/294

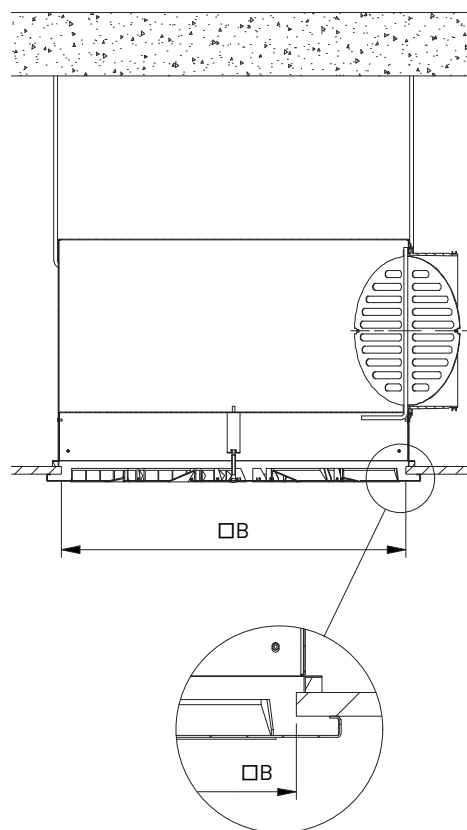
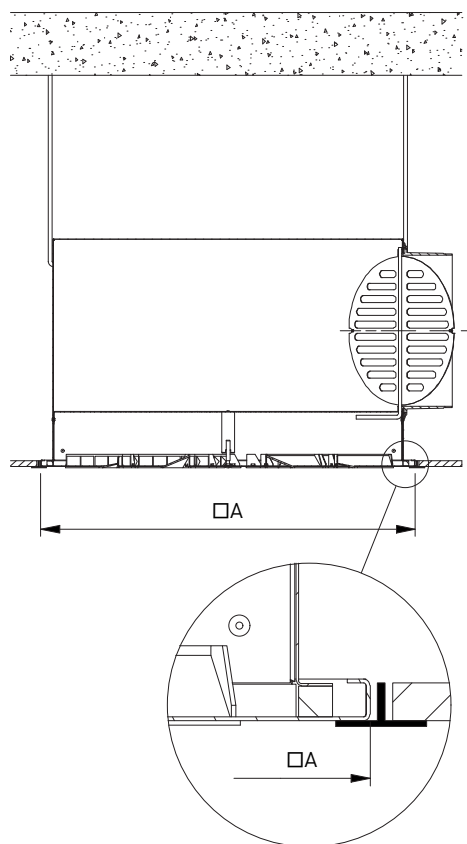


WP100T-D0/160/394  
WP100T-D0/200/494  
WP100T-D0/250/594



WP100T-D1/315/819





## DIMENSIONS

ØN	A	B	ØD	E	H	H1	H2	ØS	W	W' x W''
<b>125 (9)</b>	294	268	125	58	227	145	152	266	269	271 x 290
<b>160 (12)</b>	394	353	160	58	262	162	202	302	356	374 x 381
<b>200 (24)</b>	494	453	200	58	302	182	202	450	456	474 x 481
<b>250 (36)</b>	594	553	250	78	352	207	202	524	555	574 x 580
<b>315 (48)</b>	594	553	250	78	352	207	202	531	555	574 x 580
<b>355 (48)</b>	819	778	315	50	422	245	252	718	775	799 x 800

All dimensions in mm