

# WT500

CIRCULAR SWIRL DIFFUSER  
WITH ADJUSTABLE AIR PATTERN



## VARIANTS

WT500\_S

The swirl diffuser type WT500 is equipped with orientable plastic deflectors. It is designed for exposed duct mounting 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

WP500S



## 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) mm
	Standard panel sizes	Ø448, 600mm
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> [m³/h]			
ØN [mm]	A [mm]	L <sub>w</sub>	WT500 + WP500S
125 (9)	448	25 dB(A)	102
		35 dB(A)	142
160 (12)	448	25 dB(A)	130
		35 dB(A)	186
200 (24)	600	25 dB(A)	266
		35 dB(A)	363
250 (36)	600	25 dB(A)	336
		35 dB(A)	464

## EFFECTIVE AIR DISCHARGE AREA

Supply A <sub>k</sub> [m²]	ØN [mm]			
	125 (9)	160 (12)	200 (24)	250 (36)
	0,1520	0.0207	0.0271	0,4560

## PRODUCT KEY

## CIRCULAR SWIRL DIFFUSER WITH ADJUSTABLE AIR PATTERN

W	T	5	0	0	-	F	0	2	5	0	0	6	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Nominal size ØN (mm):  
125, 160, 200, 250

Panel size ØA (mm):  
448, 600

F: Coated

0: Black ABS deflectors  
1: White ABS deflectors  
2: Without deflectors (exhaust)

## PLENUM FOR CIRCULAR SWIRL DIFFUSER WITH ADJUSTABLE AIR PATTERN

W	P	5	0	0	S	-	-	0	0	2	5	0	0	6	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Spigot ØD (mm):  
125, 160, 200, 250

Plenum size (mm):  
448, 600

0: Without mounting straps  
1: With mounting straps

- : Without damper  
D : With damper

-: Non insulated plenum  
G: Insulated plenum

S: Side connection

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

W	T	5	0	0	-	F	S	-	-	0	0	2	5	0	0	6	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Nominal size ØN (mm):  
125, 160, 200, 250

Panel size ØA (mm):  
448, 600

0: Without mounting straps  
1: With mounting straps

- : Without damper  
D : With damper

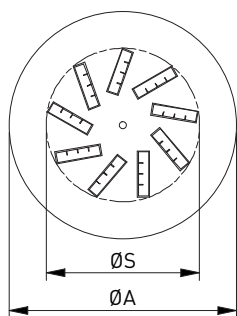
-: Non insulated plenum  
G: Insulated plenum

S: Side connection

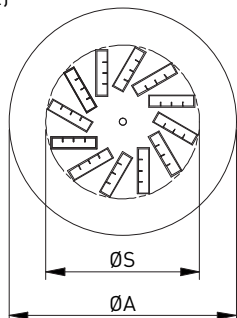
F: Coated

0: Black ABS deflectors  
1: White ABS deflectors  
2: Without deflectors (exhaust)

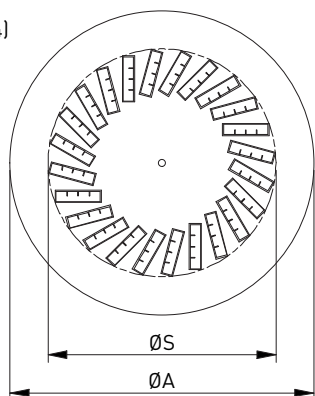
125 [9]



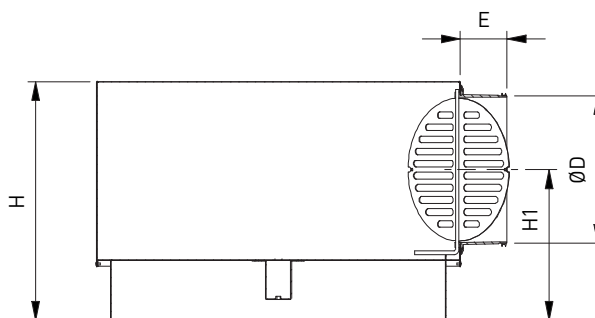
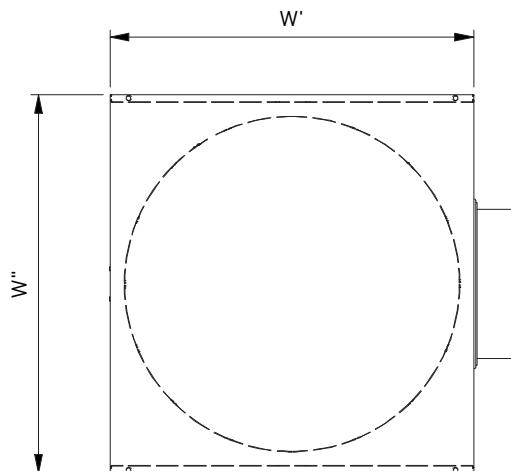
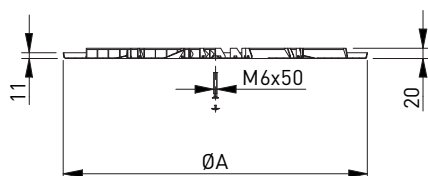
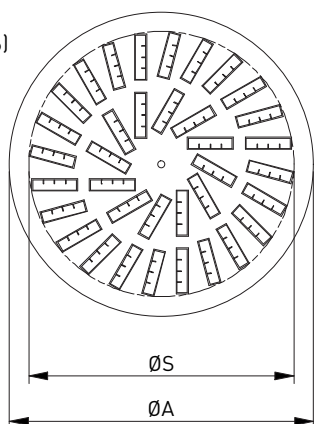
160 [12]

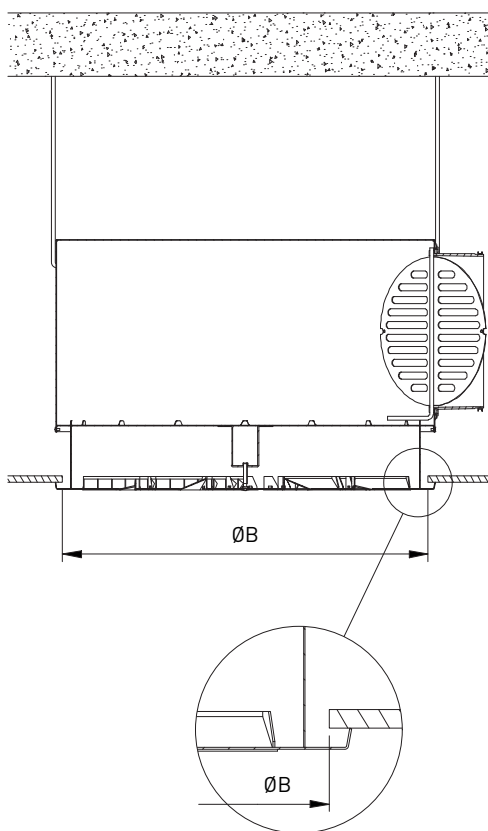


200 [24]



250 [36]





## DIMENSIONS

ØN (#)	ØA	ØB	ØD	E	H	H1	ØS	W' x W''
<b>125 (9)</b>	448	365	125	58	355	273	302	375 x 401
<b>160 (12)</b>	448	385	160	58	355	255	302	450 x 476
<b>200 (24)</b>	600	536	200	58	355	235	450	525 x 551
<b>250 (36)</b>	600	579	250	78	395	250	524	600 x 626

All dimensions in mm