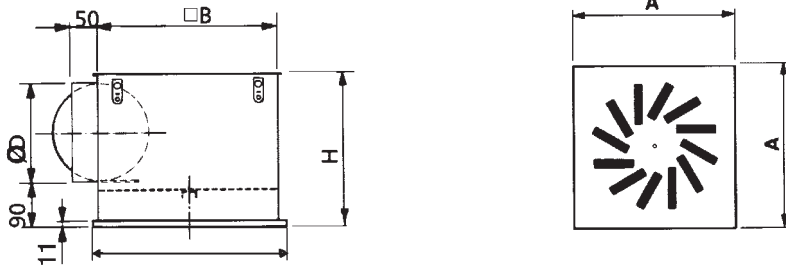


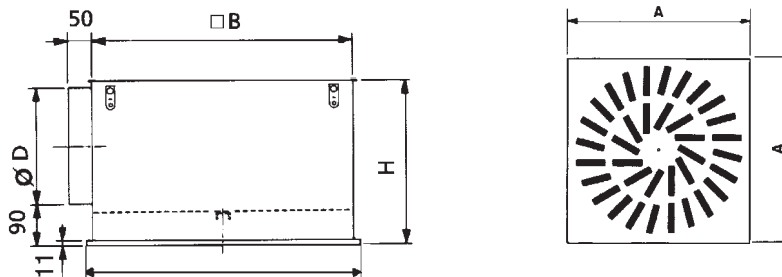
## SWIRL DIFFUSER WITH ADJUSTABLE AIR PATTERN WT100S

### Installation dimensions

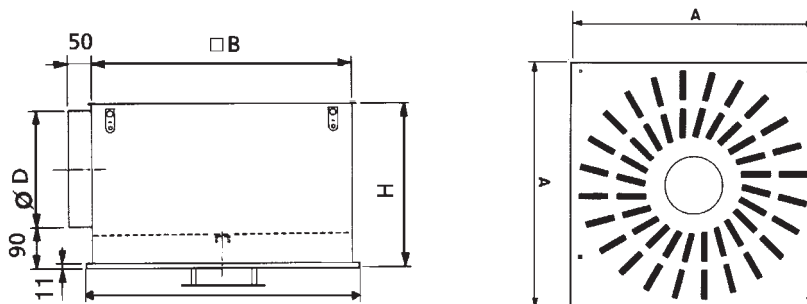
Size 125, 200 mm



Size 250 mm



Size 315 mm



### Application

The swirl diffuser type WT100S is used for the supply of cooled or heated air in facilities such as offices, shopping centres, schools, ...

Diffusers for ceiling or exposed duct mounting.

The diffuser is equipped with adjustable deflectors creating the possibility to obtain an external or internal swirl.

A high induction is obtained by the exceptional swirl discharge, which makes them extremely suitable for VAV terminal boxes.

### Technical information

#### Characteristics :

- adjustable horizontal and vertical air pattern
- 2,5 < mounting height < 4 m
- **size 125, 200 mm:**  
Single row of deflectors
- **size 250 mm:**  
Through the unique position of the 2 rows of outlet deflectors, an unlimited number of arrangements can be obtained.  
For example a vertical air discharge through the inner deflectors in combination with an external swirl through the outer deflectors, ...
- **size 315 mm:**  
An adjustable deflector plate is mounted in the central part allowing you to handle 25% more air volume compared to size 250 mm, without any increase in noise.

Size	ØN	A	B	H	ØD
125	125	294	290	230	123
200	200	394	375	305	198
200	200	494	375	305	198
250	250	594	575	355	248
250	250	619	575	355	248
315	315	819	810	420	313

All dimensions in mm.

**Construction:**

- steel; painted white (RAL 9010)
- deflectors in black or white extruded pvc
- insulated or non insulated plenum; galvanised sheet steel

**Specifications description**

**Example:**

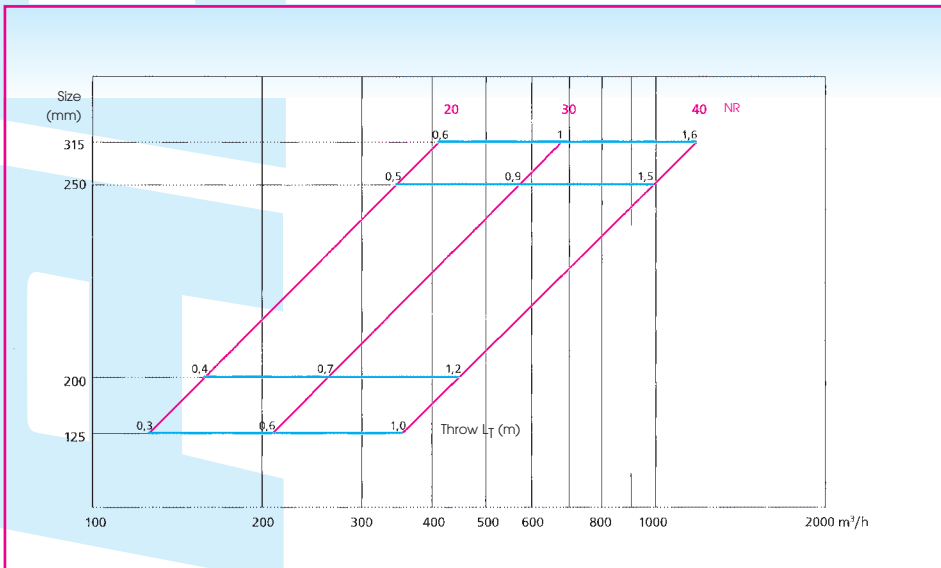
Square steel diffuser with adjustable air pattern, complete with a plenum box with side entry and damper. The diffuser is painted white (RAL 9010)

**Type: WT101S**  
size ... / ... mm

**Fixing**

- provided with mounting eyes (ø 7mm), mounting straps available on demand
- modular ceiling mounting

**Fast selection diagram**



Throw factor is based on a  $v_R$  of 0,17 m/s in the occupied zone. See p. 3 030 for a detailed selection.

**How to order**

WT100S, diameter 250 mm, size 594 mm, with plenum

W	T	1	0	1	S	-	0	2	5	0	0	5	9	4
						Size					Dimension A			

- = non insulated plenum  
G= insulated plenum
- : without plenum  
S: plenum with side entry
- 0 : without damper  
1 : with damper in the inlet collar
- 0: deflectors in black extruded pvc  
2: deflectors in white extruded pvc
- T :supply with deflectors  
A :exhaust without deflectors

**Possible deliveries**

- **WT100S/WT120S** : swirl diffuser with plenum and side entry
- **WT101S/WT121S** : WT100S/WT120S with damper in side entry
- **WT100P/WT120P** : swirl diffuser integrated in a false ceiling plate (see p. 2 500)
- **WA100S** : WT100S as exhaust diffuser without deflectors
- **WA101S** : WT101S as exhaust diffuser without deflectors and with damper in side entry
- **WA100P** : WT100P as exhaust diffuser without deflectors (see p. 2 500)