

TECHNICAL INFORMATION

| | | |
|--------------|--|--|
| APPLICATION | Airflow direction | Horizontal, vertical |
| | Airflow type | Linear / exhaust or supply |
| CONSTRUCTION | Shape | Square |
| | Min. length | 294 x 294 mm |
| | Max. length | 819 x 819 mm |
| | Height | 11 mm |
| MATERIAL | Standard material | Powder coated steel, PVC deflectors |
| | Standard finishing | RAL9010 |
| | Product finishing options | Powder coating RAL, black/white deflectors |
| MOUNTING | Mounting options | Central screw |
| PLENUM BOX | Perforated pressure distribution plate | Yes |
| | Spigot | Class D spigot with double lip seal |
| | Volume control | Perforated volume flow control disk inside the spigot |
| | Material | Galvanised steel sheet, PP/TPE spigot |
| | Optional insulation | Melamine 6mm |
| | Mounting options | mounting eyes (Ø7mm) standard, mounting brackets available |

QUICK SELECTION

WT100S SUPPLY

| Qv [m³/h] | L _w | | |
|-----------|----------------|----------|----------|
| | 25 dB(A) | 30 dB(A) | 35 dB(A) |
| 125 | 101 m³/h | 119 m³/h | 140 m³/h |
| 160 | 128 m³/h | 153 m³/h | 184 m³/h |
| 200 | 262 m³/h | 307 m³/h | 359 m³/h |
| 250 | 333 m³/h | 390 m³/h | 458 m³/h |
| 315 | 452 m³/h | 535 m³/h | 634 m³/h |

WT100

SQUARE SWIRL DIFFUSER WITH ADJUSTABLE RADIAL AIR PATTERN

Variations [WT100-S](#) [WT100-T](#)



Square steel swirl diffuser type WT100 with adjustable radial air pattern 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 square diffuser offered, complete with a plenum box with side- or top connection. The diffuser is equipped with adjustable PVC 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.

Square steel swirl diffuser with adjustable air pattern, complete with a plenum box with side or top entry

The diffuser is equipped with adjustable deflectors

Easy to install, multiple mounting options available



ACCESSORIES

WP100

Plenum box



WP100P

Pyramid plenum box

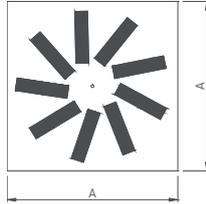


SQUARE SWIRL DIFFUSER WITH ADJUSTABLE RADIAL AIR PATTERN

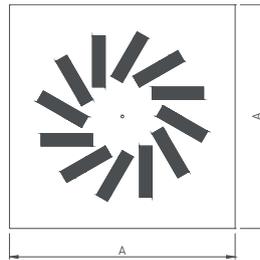
WT100-S WT100-T

SECTION + MONTAGE

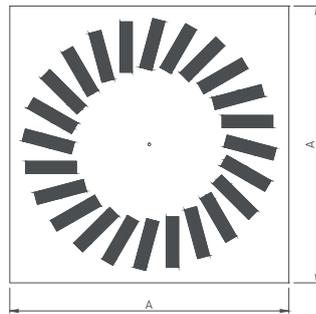
125 (9)



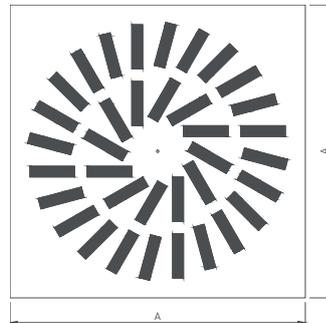
160 (12)



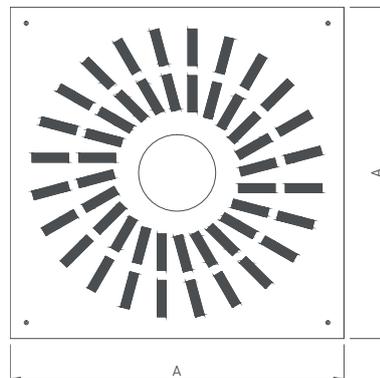
200 (24)



250 (36)



315 (48)



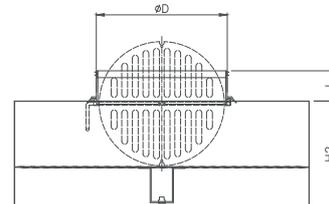
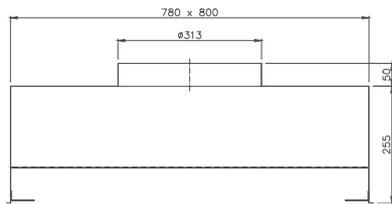
i Size 315 mm

An adjustable deflector sheet is mounted in the central part allowing you to handle 25 % more air volume compared to size 250 mm, without any increase in noise.

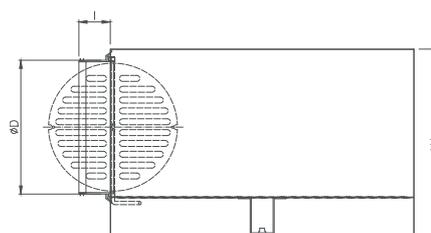
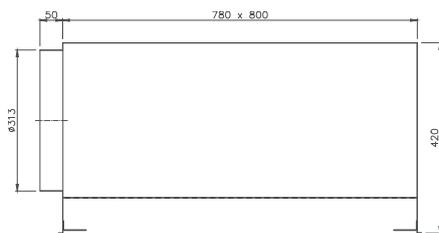
SQUARE SWIRL DIFFUSER WITH ADJUSTABLE RADIAL AIR PATTERN

WT100-S WT100-T

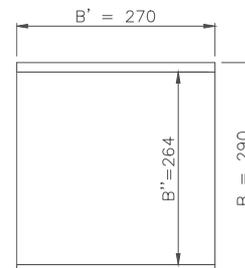
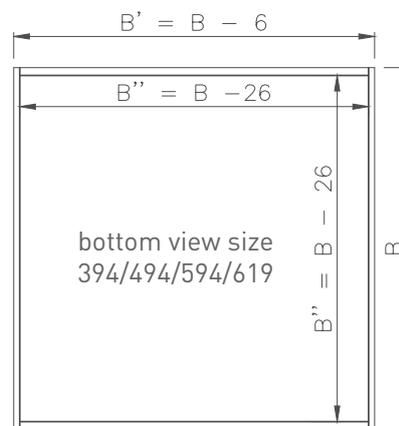
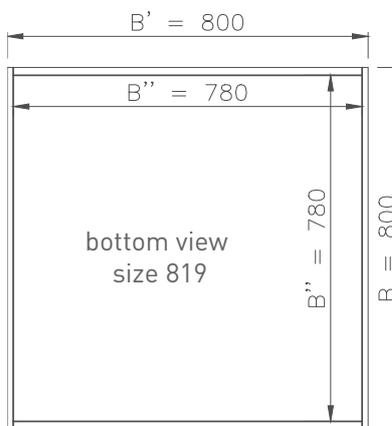
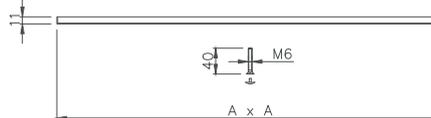
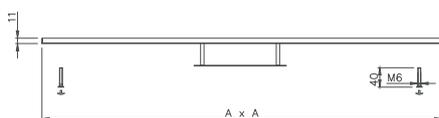
connection top



connection side



panel



bottom view size 294

| SIZE | A | B | B' | B'' | D | I | H1 | H2 | deflectors |
|------|-----|-----|-----|-----|-----|----|-----|-----|------------|
| 125 | 294 | 290 | 270 | 264 | 123 | 58 | 230 | 155 | 9 |
| 160 | 394 | 380 | 374 | 354 | 158 | 58 | 265 | 205 | 12 |
| 200 | 494 | 480 | 474 | 454 | 198 | 58 | 305 | 205 | 24 |
| 250 | 594 | 580 | 574 | 554 | 248 | 78 | 355 | 205 | 36 |
| 250 | 619 | 580 | 574 | 554 | 248 | 78 | 355 | 205 | 36 |
| 315 | 819 | 800 | 800 | 780 | 313 | 50 | 420 | 255 | 48 |

All dimensions in mm.

HOW TO ORDER ?

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W | T | 1 | 0 | 0 | - | - | S | G | D | 0 | 2 | 5 | 0 | 0 | 5 | 9 | 4 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Size

Size A

