

VVT-B-600

Item no. 26088

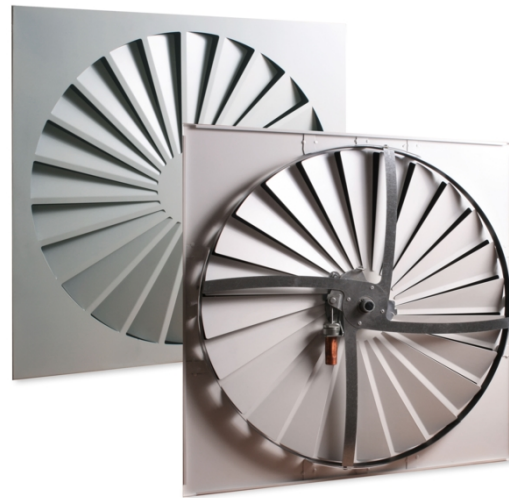
Document type: **Product card**
 Document date: **2019-05-14**
 Generated by: **Systemair Online Catalogue**

Description

Technical details can be found [here](#)

Description

The VVT swirl ceiling diffuser with thermostatic regulation and fixed blades is a well-appointed distribution element for air supply. The front panel is equipped with radially aligned blades of different shapes, which ensure an even distribution of swirl supply air into the working area. The thermostatic regulation element on the internal side of the diffuser ensures supply air flow direction based on its temperature. The cold air flows into the area horizontally, the hot air flows vertically downwards. The range of temperatures between these extremal positions is 17 °C to 35 °C. The regulation is automatic, without a need for additional energy supply. It is possible to use the diffuser in areas with clearance height up to 4 m. The VVT swirl diffuser connection to an air distribution system is possible via a plenum box with a horizontal or vertical connection using circular flexible or rigid piping. VVT is used for air supply. Given the swirl outlet it makes intensive air immixture possible.



Important!

The change between extremal positions for vertical and horizontal air flow pattern requires app. 30 to 40 minutes. So sudden temperature changes like e.g. on fancoils cannot be followed quick enough by this device. Therefore it is strongly recommended to use VVT only in systems where the supply air temperature variation between 17 °C and 35 °C takes at least 40 minutes.

Design

The diffuser is manufactured with a square front panel made of galvanized steel. It is also possible to manufacture from stainless steel AISI304 or AISI316. The surface is powder-painted with a white RAL 9010 by default, other RAL types can be applied upon request. In the diffuser's center there is an opening for mounting the diffuser front panel using a screw. Every VVT front panel includes a screw with a decorative white cap for its mounting onto a plenum box as well as a self-adhering seal, which needs to be placed onto the diffuser front panel during the installation.

Specification text