

VARIABLE MIXED FLOW VENTILATION



Berlaymont, Brussels, Belgium

If very diverse architectural and usage parameters need to be considered in the ventilation and air conditioning design process for an office, variable volume flow control is the best solution. Variable volume flow control ensures that the airflows are automatically adjusted to usage changes. The automatic adjustment to changing parameters due to intelligent control and communication systems increases the efficiency of a system considerably.



TROX slot diffusers of Type VSD35 are available with 1 to 4 slots. No matter how many slots a diffuser has, the diffuser face is an extrusion, made from one piece, which means that no seams are visible. Their compact height makes slot diffusers ideal for ceiling voids and in particular for suspended ceilings, while their high induction results in a rapid reduction of the supply air to room air temperature difference and airflow velocity.

VAV terminal units of Type TZ-Silenzio are designed also for low airflow velocities. They are whisper quiet, thereby increasing the comfort and air quality in the workplace; moreover, they require very little space since no upstream section is necessary.



TROX VSD35 SLOT DIFFUSERS

13 – 140 l/s
 45 – 500 m³/h
 L: 600 – 1.950 mm
 1-4 Slots



TZ-SILENZIO VAV TERMINAL UNIT WITH HIGHLY EFFECTIVE, INTEGRAL SOUND ATTENUATOR

30 – 840 l/s
 108 – 3.024 m³/h
 125 – 315 mm
 Δp : 5 – 1.000 Pa
 Casing air leakage: EN 1751, class C



X-AIRCONTROL

X-AIRCONTROL room and zone control controls the room climate based on room temperature, room air quality and occupancy.