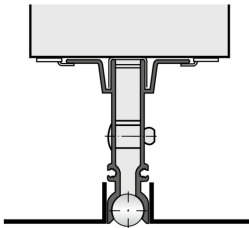




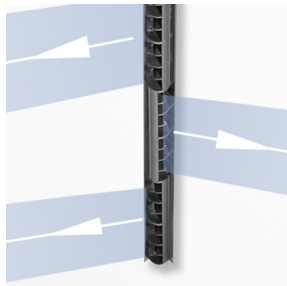
VSD15-A



INSTALLATION IN  
CONTINUOUS CEILINGS



INSTALLATION IN  
PANELLED CEILINGS



ALTERNATING  
HORIZONTAL AIR  
DISCHARGE

## VSD15

### WITH SLIM DIFFUSER FACE

**Note: Except UK and SPAIN - VSD slot diffusers will be discontinued on December 31, 2021 and can be replaced with PURELINE slot diffusers.**

Slot diffusers with 15 mm diffuser face (nominal width) and adjustable air control elements

- Nominal lengths from 600 to 1500 mm, 1 slot
- Volume flow rate range from 7 to 30 (l/s)/m or 25 to 108 (m<sup>3</sup>/h)/m
- Diffuser face made of extruded aluminium sections
- For variable and constant volume flows
- Suitable for continuous linear arrangement
- High induction results in a rapid reduction of the temperature difference and airflow velocity
- Individually adjustable air control elements to meet individual local requirements

Optional equipment and accessories

- Exposed diffuser face available in RAL CLASSIC colours

- Diffuser face with extended border
- Damper blade for volume flow rate balancing, can be adjusted through the diffuser face
- Plenum box with lining
- End angle, end seal
- White air control elements

## Application



### Application

- Type VSD15 slot diffusers are used as supply air or extract air devices in comfort zones
- Air discharge is one-way or alternating horizontal, or alternating angled; turbulent flow (mixed flow ventilation)
- High induction results in a rapid reduction of the temperature difference and airflow velocity (supply air variant)
- For variable and constant volume flows
- For supply air to room air temperature differences from -10 to +10 K
- For room heights up to 4 m (lower edge of suspended ceiling)
- For suspended ceilings; suitable for restricted ceiling voids due to the low overall height of the plenum box
- Ideal for suspended panelled ceilings with standard 16 mm gaps
- Suitable for continuous linear arrangement

### Special characteristics

- Individually adjustable air control elements to meet individual local requirements
- High induction results in a rapid reduction of the temperature difference and airflow velocity
- Ideal for suspended panelled ceilings with standard 16 mm gaps
- Suitable for continuous linear arrangement

### Nominal sizes

- $L_N$ : 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500 mm
- Diffuser face available in intermediate sizes from 300 to 2000 mm, in increments of 1 mm

## Description



### Variants

- VSD15-F: Diffuser face only
- VSD15-...: Diffuser face without extended border
- VSD15-...-Z0: Diffuser face with extended border
- VSD15-...: Black air control elements
- VSD15-.../WW: White air control elements

### Connection

- A: Plenum box
- D: Plenum box with lining

### Parts and characteristics

- Diffuser face with individually adjustable air control elements
- Plenum box for horizontal duct connection
- Connecting pins and alignment plates to connect and align slot diffusers for a continuous linear arrangement

### Attachments

- M: Damper blade for volume flow rate balancing
- A9: End seal (only for diffuser face without extended border)
- CA: End angle (only for diffuser face with extended border Z0)

### Accessories

- Lip seal

### Useful additions

- ED: Two end seals (only for diffuser face without extended border)
- EW: Two end angles (only for diffuser face with extended border Z0)
- To be ordered separately for continuous linear runs

### Construction features

- Spigot suitable for circular ducts to EN 1506 or EN 13180
- Spigot with groove for lip seal (if accessory lip seal has been ordered)

### Materials and surfaces

- Diffuser face made from extruded aluminium sections
- Air control elements made of plastic, UL 94, V-0, flame retardant
- Plenum box made of galvanised sheet steel
- Lip seal made of rubber
- Lining is mineral wool
- Diffuser face without extended border is powder-coated RAL 9005, jet black
- Diffuser face with extended border is anodised, E6-C-0, natural colour
- P1: Powder-coated, RAL CLASSIC colour
- Air control elements similar to RAL 9005, black
- WW: Air control elements similar to RAL 9010, white

### Mineral wool

- To EN 13501, fire rating class A1, non-combustible
- RAL quality mark RAL-GZ 388
- Biosoluble and hence hygienically safe according to the German TRGS 905 (Technical Rules for Hazardous Substances) and EU directive 97/69/EC
- Faced with glass fibre fabric as a protection against abrasion through airflow velocities of up to 20 m/s
- Inert to fungal and bacterial growth

### Standards and guidelines

- Sound power level of the air-regenerated noise measured according to EN ISO 5135

### Maintenance

- Maintenance-free as construction and materials are not subject to wear
- Inspection and cleaning to VDI 6022