TROX® TECHNIK
The art of handling air

TRS-R/825×225

TRS-R

VENTILATION GRILLES, MADE OF GALVANISED SHEET STEEL, WITH INDIVIDUALLY ADJUSTABLE, VERTICAL BLADES, FOR INSTALLATION INTO CIRCULAR DUCTS

Ventilation grille with droplet shaped blades

- Nominal sizes 225 × 75 – 1225 × 225 mm
- Volume flow rate range 11 – 930 l/s or 40 – 3348 m³/h
- Grille face made of galvanised sheet steel
- Front border with countersunk holes, 27 mm wide

Optional equipment and accessories

- Grille face in RAL CLASSIC colours
- Attachments for volume flow rate balancing and air direction control

Application

Application

- Ventilation grille of Type TRS-R as supply air or extract air variant for comfort zones and industrial zones
- Directed supply air discharge for mixed flow ventilation
- Blades are adjustable to meet different local requirements
- For variable and constant volume flows
- For supply air to room air temperature differences from –12 to +4 K
- For installation into circular ducts

Special characteristics

- Individually adjustable blades

Nominal sizes

- Nominal length: 225, 325, 425, 525, 625, 825, 1025, 1225 mm
- Nominal height: 75, 125, 225 mm

Other dimensions upon request

Description

Variants

- TRS-R-RA: Grille face with vertical blades

- TRS-R-RD: Grille face with vertical and horizontal blades, individually adjustable

Parts and characteristics

- Sloped border with chamfered inside edge
- Individually adjustable, vertical blades
- Factory fitted perimeter seal
- RD: Individually adjustable, horizontal blades for air direction control

Attachments

- RS, R5: For volume flow rate balancing

Construction features

- Asymmetrically supported blades
- Front border with countersunk holes

Suitable circular duct diameter

- H = 75 mm: Ø150 – 400 mm (with attachment -5 and L from 825 mm: Ø224 – 400 mm)
- H = 125 mm: Ø300 – 900 mm
- H = 225 mm: Ø600 – 2400 mm

Materials and surfaces

- Border and blades made of galvanised sheet steel
- P1: Border and blades powder-coated, RAL CLASSIC colour

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