



HORIZONTAL RUN,  
DETAIL



SYMMETRIC BLADE  
PROFILE AND COVER

## X-GRILLE COVER



### VENTILATION GRILLES, MADE OF HIGH-QUALITY ALUMINIUM – ALSO FOR CONTINUOUS HORIZONTAL RUNS

The new X-GRILLE Cover ventilation grilles, made of high-quality aluminium combine function with an attractive design; they can be installed in walls, sills or rectangular ducts.

- Nominal sizes 225 × 125 - 1225 × 525 mm
- Volume flow rate range 16 - 2554 l/s or 58 - 9194 m<sup>3</sup>/h
- Energy-efficient and acoustically optimised air discharge
- Symmetric blade profile for two-way entry flow
- Uniform look and easy adjustment due to concealed blade linkage
- Concealed, optimised screw fixing
- Linear look, ideal for continuous horizontal runs
- Easily exchangeable cover plates allow for a lively two-colour look
- Use of existing rear assemblies
- Easy replacement of existing grilles due to standard installation dimensions

Optional equipment and accessories

- Installation subframe
- Attachments for volume flow rate balancing and air direction control
- Concealed screw fixing
- Spring clip fixing

## Application

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### Application

- Ventilation grille of Type X-GRILLE Cover as supply air or extract air variant for comfort zones and industrial zones
- Attractive design element for building owners and architects with demanding aesthetic requirements
- Two-colour look blends in nicely with the interior of reception or executive rooms
- 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 in walls, sills and rectangular ducts

### Special characteristics

- Symmetric blade profile for two-way entry flow
- Concealed blade linkage for adjusting the blades simultaneously
- Countersunk screw holes, covered by cover plates, allow for screw fixing
- Easily exchangeable cover plates allow for a lively two-colour look
- Linear look, ideal for continuous horizontal runs

### Nominal sizes

Single grille

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

Horizontal run section

- Nominal length of end section: 950 – 2025 mm
- Nominal length of middle section: 2000 mm
- Nominal height: 125, 225, 325 mm

Other dimensions upon request

## Description

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### Variants

- Single grille
- Horizontal run section

Fixing

- Countersunk holes, concealed by cover plate
- VS: Concealed screw fixing
- KF: Spring clip fixing

VS, KF only with installation subframe

### Parts and characteristics

- Front border with horizontal clip-fixed cover plates
- Horizontal blades with concealed linkage to adjust blades simultaneously
- Horizontal centre mullion with clip-fixed cover blade from nominal height 225 mm

- Vertical centre mullion for nominal lengths over 625 mm
- Concealed screw fixing and spring clip fixing, optional

#### **Attachments**

- AG, AS, D, DG: For volume flow rate balancing and for air direction control

#### **Accessories**

- Installation subframe: For the fast and simple installation of ventilation grilles

#### **Construction features**

- Only small clearance between blades and border
- Centrally supported blades
- Countersunk holes, concealed by cover plate

#### **Materials and surfaces**

- Border, cover plates and blades made of aluminium
- Linkage and end pieces for blades made of highly temperature resistant special plastic, flame retardant to UL 94, V-0
- Border and blades powder-coated RAL 9005, jet black
- Cover plates powder-coated RAL 9006, white aluminium
- P1: Border and blades powder-coated, RAL CLASSIC colour
- P2: Cover plates 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