



X-GRILLE-BASIC



FLAT BORDER
CONSTRUCTION

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VENTILATION GRILLES WITH FLAT BORDER CONSTRUCTION – ALSO FOR CONTINUOUS HORIZONTAL RUNS

The new X-GRILLE Basic ventilation grilles with their gently sloped border 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 19 – 2651 l/s or 68 – 9544 m³/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
- Gently sloped border construction, almost completely flush with the installation surface
- Linear look, ideal for continuous horizontal runs
- 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



Application

- Ventilation grille of Type X-GRILLE Basic 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
- 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
- Gently sloped border construction, almost completely flush with the installation surface
- 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



Variants

- Single grille
- Horizontal run section

Fixing

- VS: Concealed screw fixing
- KF: Spring clip fixing

VS, KF only with installation subframe

Parts and characteristics

- Gently sloped border
- Horizontal blades with concealed linkage to adjust blades simultaneously
- 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

Materials and surfaces

- Border made of galvanised sheet steel
- 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 9010, pure white
- P1: 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