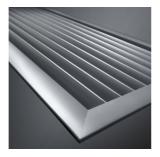




X-GRILLE-BASIC



FLAT BORDER CONSTRUCTION

# X-GRILLE BASIC

# **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  $\times$  125 1225  $\times$  525 mm
- Volume flow rate range 19 2651 l/s or 68 9544 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
- 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