



AGS/825×225

## AGS

### NON-VISION AIR TRANSFER GRILLES, MADE OF ALUMINIUM, WITH FIXED HORIZONTAL BLADES

Ventilation grille with angled blades

- Nominal sizes 150 × 105 – 1500 × 985 mm
- Volume flow rate range 2 – 850 l/s or 7 – 3060 m³/h
- Grille face made of aluminium with powder coat finish
- 30 mm wide front border
- Countersunk holes

Optional equipment and accessories

- Grille face in RAL CLASSIC colours
- Matching rear frame for door installation

## APPLICATION



### Application

- Type AGS ventilation grille for air transfer applications
- For wall and door installation
- Non-vision grille for the covering of various types of openings

### Special characteristics

- Fixed blades
- Front border with countersunk holes
- Optional matching rear frame for door installation

### Nominal sizes

- Nominal length: 150 mm up to 1500 mm (25 mm increments)
- Nominal height: 105 mm up to 985 mm (20 mm increments)

## DESCRIPTION



### Variants

- Single grille
- T: Single grille with matching rear frame for door installation

### Parts and characteristics

- Rectangular profile border sections
- Angle-shaped horizontal blades
- Factory fitted perimeter seal
- Matching rear frame for door installation, optional

Materials and surfaces

- Border and blades made of aluminium
- P3: Border and blades powder-coated, RAL9010:20%
- P6: Border and blades powder-coated, RAL..., BS... Gloss level 30%

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

TECHNICAL INFORMATION

Functional description

Ventilation grilles are air terminal devices for the supply air and extract air of ventilation and air conditioning systems. They direct the supply air into the room. Ventilation grilles with adjustable blades allow for adapting the discharge direction to the local conditions. The result is a mixed flow ventilation in comfort zones and industrial zones, with good overall room ventilation.

Induction slows the airflow down, i.e. the airflow velocity decreases as the distance from the grille increases. The distance at which the airflow velocity reaches a certain defined value, e.g. 0.2 m/s, is called throw distance. The supply air jet from wall grilles that are installed near the ceiling achieves a larger throw distance than a free jet (from a grille that is not installed near the ceiling). Single grilles, groups of grilles and continuous horizontal runs all achieve different throw distances.

In cooling mode it is necessary to take account of the jet deviation towards the occupied zone, which increases as the supply air to room air temperature difference increases and the discharge velocity decreases. In heating mode the supply air jet deviates towards the ceiling. This has no negative effect on the airflow velocity in the occupied zone, but it may affect the complete ventilation of the room.

Nominal sizes	150 × 105 to 1500 × 985 mm
Minimum volume flow rate	2 – 305 l/s or 7 – 1098 m³/h
Maximum volume flow rate, with L <sub>WA</sub> max. 40 dB(A) without attachments	13 – 856 l/s or 46 – 3060 m³/h

Non-vision ventilation grille, made of aluminium, rectangular, suitable for air transfer applications.  
Rectangular profile border.  
Preferably for wall and door installation.  
Ready-to-install component which consists of a border and fixed horizontal blades.  
Fixing holes for screw-fixing the grille to the installation surface.  
Sound power level of the air-regenerated noise measured according to EN ISO 5135.

Special characteristics

- Fixed blades
- Front border with countersunk holes
- Optional matching rear frame for door installation

Materials and surfaces

- Border and blades made of aluminium
- P3: Border and blades powder coated, RAL9010:20%
- P6: Border and blades powder-coated, RAL CLASSIC colour, Gloss level:30%

Technical data

- Nominal sizes: 150 x 105 to 1500 x 985 mm
- Minimum volume flow rate (supply air): 2 – 305 l/s or 7 – 1098 m³/h
- Maximum volume flow rate (supply air), at L<sub>WA</sub> max. 40 dB(A) without attachments: 13 – 856 l/s or 46 – 3060 m³/h

AGS

AGS – T / 825x225 / 0 / P6 – RAL ...				
1	2	3	4	5

1 Type	5 Exposed surface
AGS Single grille	P3 Powder-coated RAL9010:20% gloss
2 Attachments	P6 Powder-coated RAL CLASSIC colour
No entry: without (grille face only)	Gloss level: 30%
T Matching rear frame for door installation	
3 Nominal size [mm]	
L x H	
4 Installation type	
0 Screwfix (counterpunch border)	
X Without (border fixing by others)	