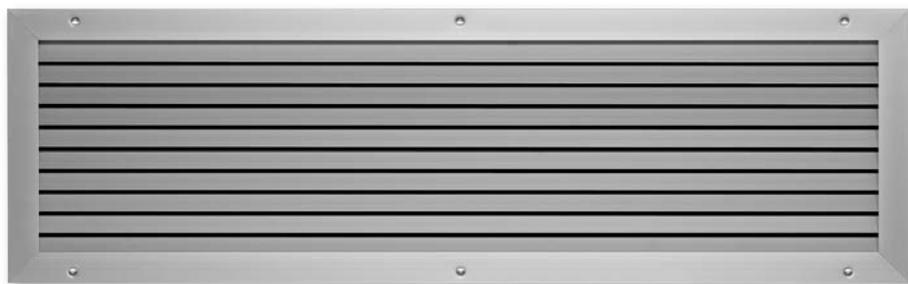


Ventilation grilles for door and wall installation

Type AGS



Non-vision air transfer grilles, made of aluminium, with fixed horizontal blades

Ventilation grille with angled blades

- Nominal sizes 225 × 125 – 1225 × 525 mm
- Volume flow rate range 4 – 535 l/s or 14 – 1926 m³/h
- Grille face made of aluminium with anodised finish
- 30 mm wide front border
- Countersunk holes

Optional equipment and accessories

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

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

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

Accessories

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

Materials and surfaces

- Border and blades made of aluminium
- Border and blades anodised, E6-C-0, natural colour
- 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

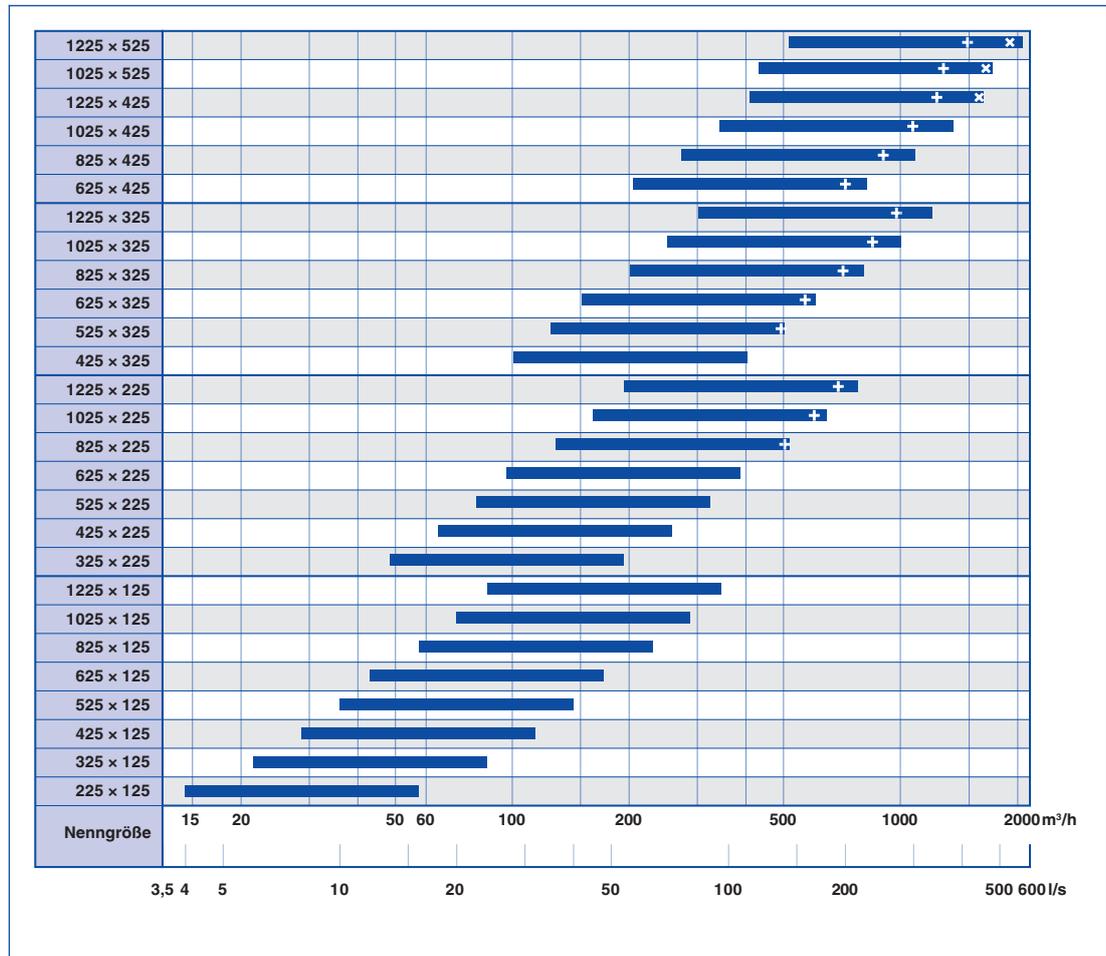
- Maintenance-free as construction and materials are not subject to wear
- Inspection and cleaning to VDI 6022

Nominal sizes	225 × 125 to 1225 × 525 mm
Minimum volume flow rate	4 – 145 l/s or 14 – 522 m ³ /h
Maximum volume flow rate, with L_{WA} max. 40 dB(A) without attachments	16 – 535 l/s or 58 – 1926 m ³ /h

Geometric free area

H	L [mm]							
	225	325	425	525	625	825	1025	1225
mm	A _{geo} m ²							
125	0.008	0.012	0.016	0.020	0.024	0.032	0.040	0.048
225		0.027	0.036	0.045	0.054	0.072	0.090	0.108
325			0.056	0.070	0.084	0.112	0.140	0.168
425					0.114	0.152	0.190	0.228
525							0.240	0.288

AGS, volume flow rate ranges



× L_{WA} = 40 dB(A) with unrestricted airflow+ L_{WA} = 40 dB(A) with airflow restricted by 50 %

This specification text describes the general properties of the product. Texts for variants can be generated with our Easy Product Finder design programme.

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
- Border and blades anodised, E6-C-0, natural

colour

- P1: Border and blades powder-coated, RAL CLASSIC colour

Technical data

- Nominal sizes: 225 × 125 to 1225 × 525 mm
- Minimum volume flow rate (supply air): 4 – 145 l/s or 14 – 522 m³/h
- Maximum volume flow rate (supply air), at L_{WA} max. 40 dB(A) without attachments: 16 – 535 l/s or 58 – 1926 m³/h

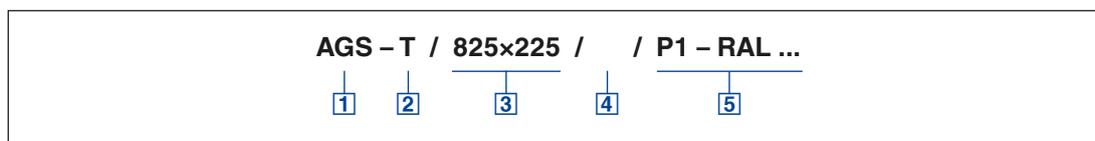
Sizing data

- \dot{V} _____
[m³/h]
- Δp_t _____
[Pa]

Air-regenerated noise

- L_{WA} _____
[dB(A)]

AGS



1 Type

AGS Single grille

2 Attachments

No entry: without (grille face only)

T Matching rear frame for door installation

3 Nominal size [mm]

L x H

4 Installation subframe

No entry: without (grille face only)

A1 With (not with matching rear frame T)

Order example: AGS-T/625x225

5 Exposed surface

No entry: anodised, E6-C-0, natural colour

P1 Powder-coated, specify RAL CLASSIC colour

Gloss level

RAL 9010 50 %

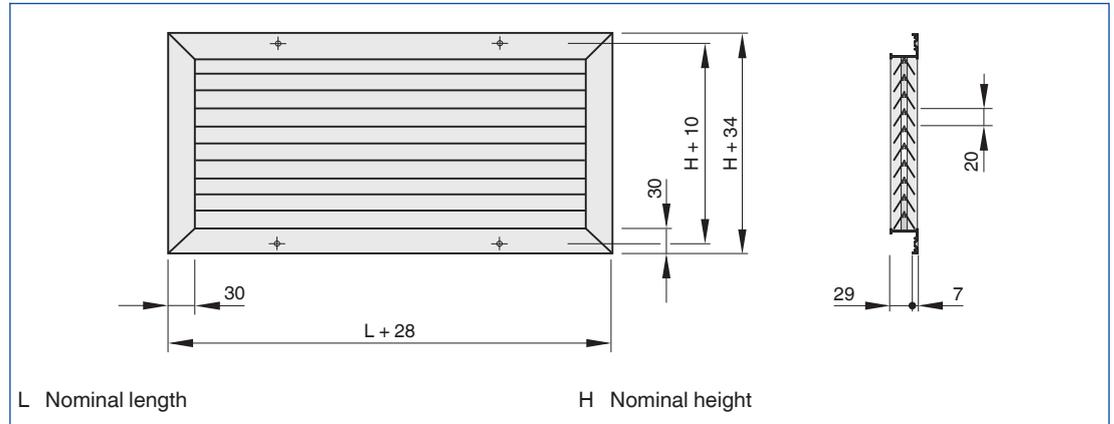
RAL 9006 30 %

All other RAL colours 70 %

Attachments	Matching rear frame
Nominal size	625 x 225 mm
Installation subframe	Without
Exposed surface	Anodised, E6-C-0, natural colour

The weight table shows the available nominal sizes

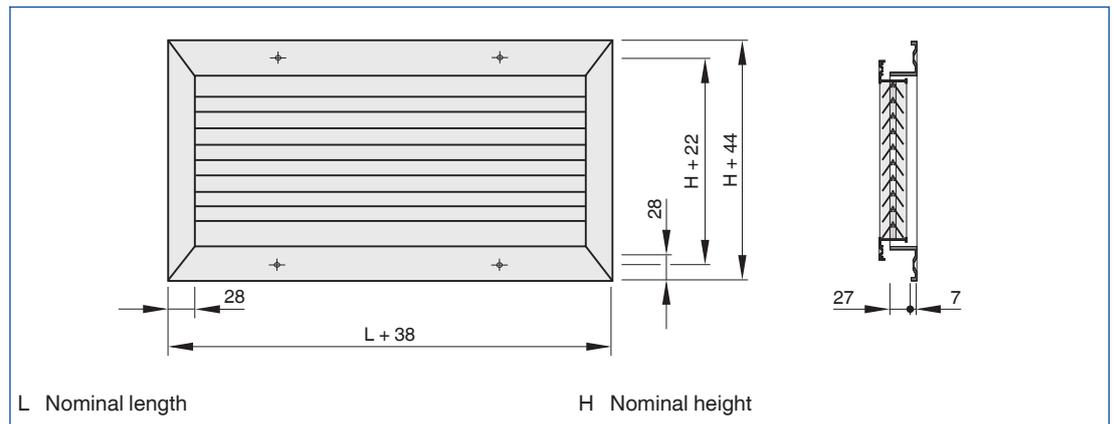
AGS, 30 mm wide front border



AGS

H	L [mm]							
	225	325	425	525	625	825	1025	1225
	m							
mm	kg							
125	0.5	0.6	0.8	1.0	1.1	1.4	1.7	2.1
225		1.0	1.2	1.5	1.7	2.2	2.8	3.3
325			1.7	2.0	2.4	3.1	3.8	4.4
425					3.0	3.9	4.8	5.6
525							5.8	6.8

AGS-T, 28 mm wide matching rear frame

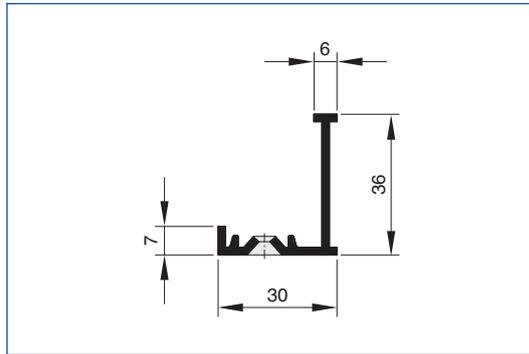


Matching rear frame

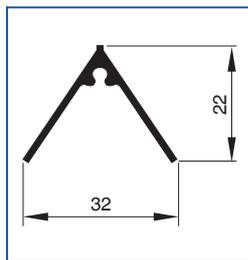
AGS-T

H	L [mm]							
	225	325	425	525	625	825	1025	1225
	m							
mm	kg							
125	0.7	1.0	1.2	1.4	1.6	2.1	2.5	2.9
225		1.4	1.7	2.0	2.3	2.9	3.6	4.2
325			2.2	2.6	3.0	3.8	4.6	5.4
425					3.7	4.7	5.7	6.7
525							6.8	8.0

Front border, 30 mm



Blade

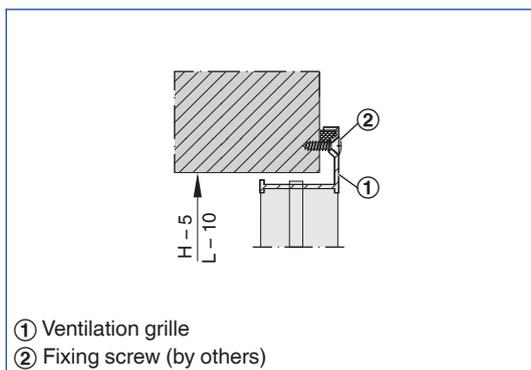


Installation and commissioning

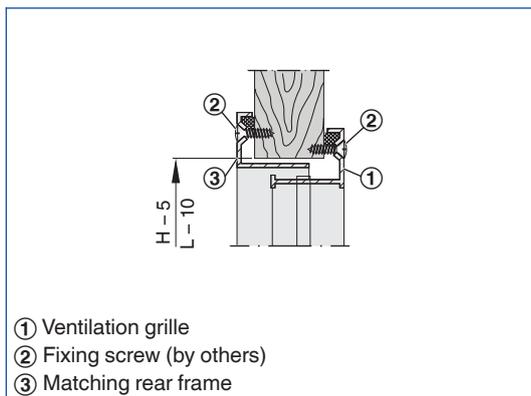
- Preferably for wall and door installation
- Installation with or without installation subframe
- Fix the frame with screws
- Fix the matching rear frame (if any) with screws

These are only schematic diagrams to illustrate installation details

Ventilation grille AGS with screw fixing, without installation subframe



Ventilation grille AGS-T with screw fixing and matching rear frame



Principal dimensions

L [mm]

Nominal length of the ventilation grille

H [mm]

Nominal height of the ventilation grille

m [kg]

Weight

Nomenclature

L_{WA} [dB(A)]

Sound power level of the air-regenerated noise

\dot{V} [m³/h] and [l/s]

Volume flow rate

Δp_t [Pa]

Total differential pressure

l_s [m]

Distance from single grille or horizontal run section (throw distance)