

Volume flow rate balancing Type DGW



Damper units, made of dip coated sheet steel, with air control blades, for installation into rectangular ducts

Damper units with opposed action blades and blades for air direction control

- Nominal sizes 225 × 75 – 1225 × 525 mm
- Perimeter angle section frame

Type		Page
DGW	General information	DGW – 2
	Function	DGW – 3
	Technical data	DGW – 4
	Specification text	DGW – 5
	Order code	DGW – 6
	Dimensions and weight	DGW – 7
	Installation details	DGW – 8
	Commissioning	DGW – 9
	Basic information and nomenclature	DGW – 10

Application

Application

- Type DGW damper units for supply air and extract air
- Adjustable blades for volume flow rate balancing
- Adjustable blades for air direction control
- For installation into rectangular ducts

Nominal sizes

- Nominal length: 225, 325, 425, 525, 625, 825, 1025, 1225 mm
- Nominal height: 75, 125, 225, 325, 425, 525 mm

Description

Parts and characteristics

- Angle section frame
- Adjustable transverse opposed action blades for flow adjustment
- Individually adjustable, transverse blades for air direction control

Construction features

- Flow adjustment: Centrally supported blades
- Air direction control: Asymmetrically supported blades
- Angle section frame without fixing holes

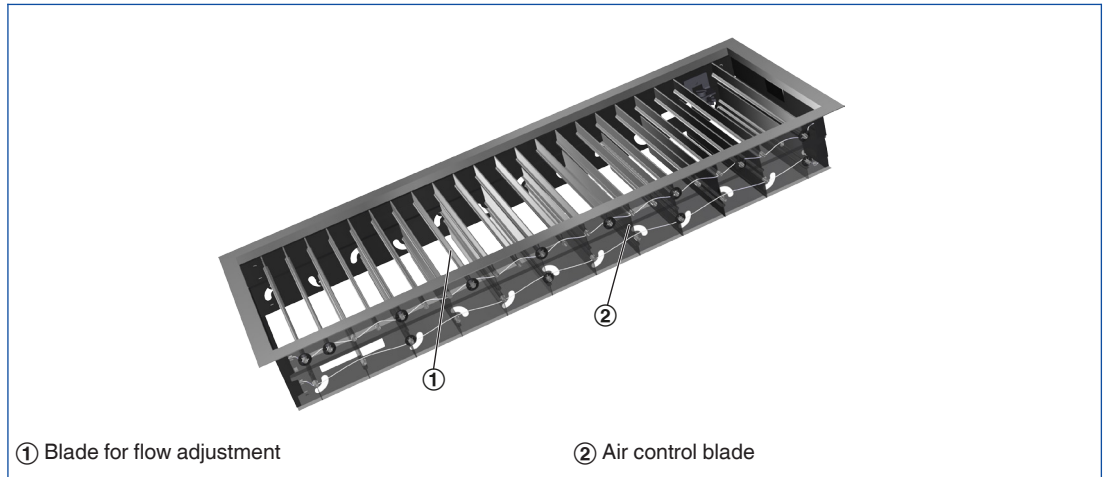
Materials and surfaces

- Angle section frame and blades made of sheet steel
- Angle section frame and blades dip coated RAL 9005, jet black

Maintenance

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

Schematic illustration of DGW



Nominal sizes	225 × 75 to 1225 × 525 mm
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This specification text describes the general properties of the product. Texts for variants can be generated with our Easy Product Finder design programme.

Damper units, rectangular, made of galvanised sheet steel, for supply and extract air. Installation preferably in rectangular ducts.

Ready-to-install component which consists of an angle section frame, transverse opposed action blades for flow adjustment and individually adjustable blades for air direction control.

Materials and surfaces

- Angle section frame and blades made of sheet steel
- Angle section frame and blades dip coated RAL 9005, jet black

Technical data

- Nominal sizes: 225 × 75 to 1225 × 525 mm

Sizing data

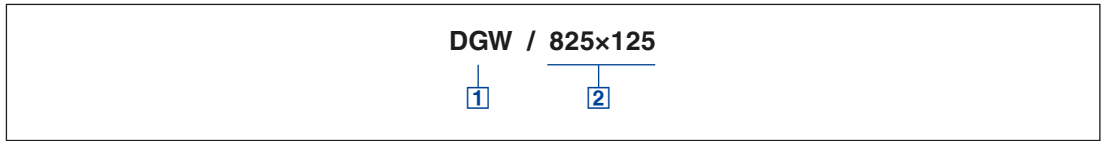
- \dot{V} _____
[m³/h]

- Δp_t _____
[Pa]

Air-regenerated noise

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

DGW



1 Type

DGW Damper unit

2 Nominal size [mm]

L × H

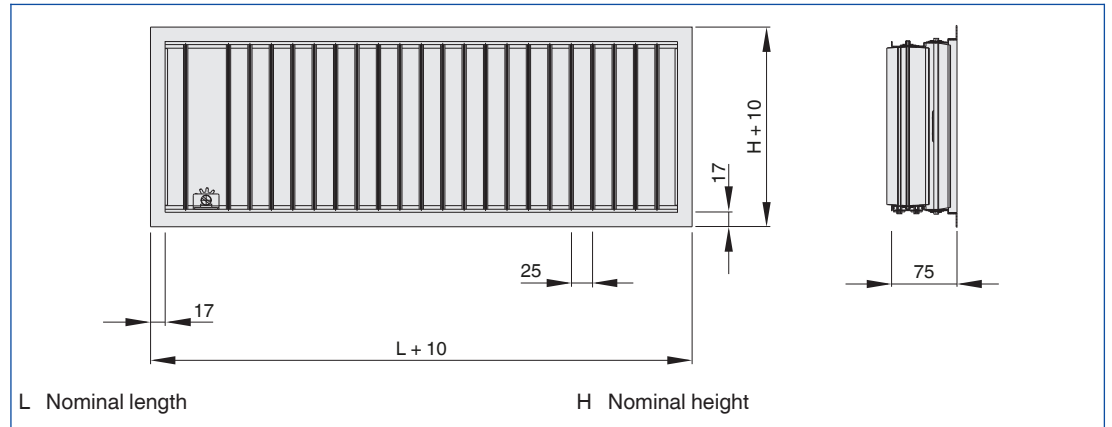
Order example: DGW/625x225

Nominal size

625 × 225 mm

The weight table shows the available nominal sizes

DGW



DGW

H	L [mm]							
	225	325	425	525	625	825	1025	1225
	m							
mm	kg							
75	0.5	0.7	0.9	1.1	1.3	1.7	2.1	2.5
125	0.7	0.9	1.2	1.4	1.7	2.2	2.7	3.2
225		1.3	1.7	2.1	2.4	3.1	3.9	4.6
325			2.2	2.7	3.2	4.1	5.0	5.9
425					3.9	5.0	6.2	7.3
525							7.3	8.7

Installation and commissioning

- Installation preferably in rectangular ducts
- Fix the angle section frame with screws or rivets

Volume flow rate balancing

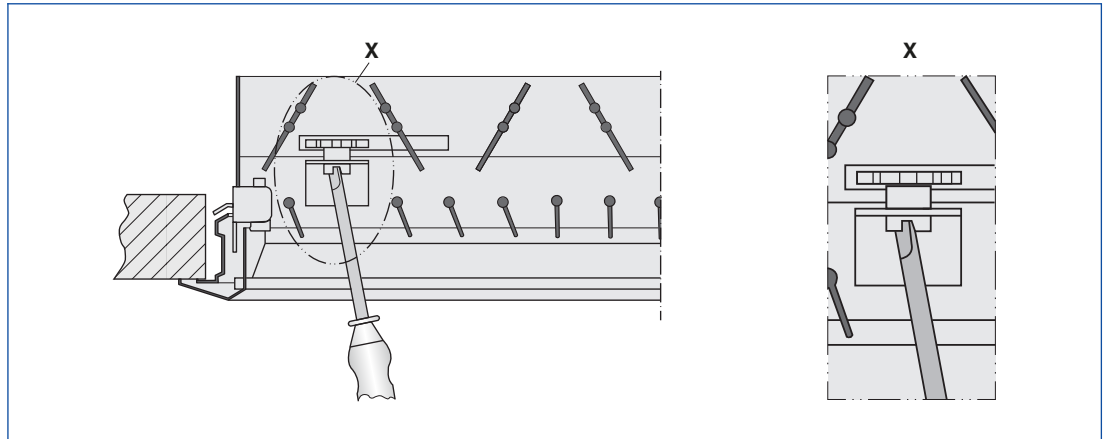
When several ventilation grilles are installed on the same duct, it may be necessary to balance the volume flow rates.

- Damper unit with opposed action blades, adjustable, secured with a locking screw

Air pattern

- Air control blades, fitted at 90° to the front blades, can be adapted to the local conditions

Volume flow rate balancing -*G



Attachments -AG, -DG and Types AGW, DGW

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)