

Overpressure shutter

GG



Specifications

Overpressure shutter with mobile blades.
With noise reduction gasket on each blade.

Used for protection of ventilation openings in buildings.

Material

Aluminium.
EPDM sealing gaskets.

Finish

Standard finish: anodized aluminium.

Note: painting** (extra cost) is not recommended.
(leads to blocking of the bearings)

Mounting / Fixing

Recessed mounting on walls (outside) only in vertical position.
Fixing with visible screws (countersunk holes in frame).

Optional accessories

Blade linkage system - **LK** (extra cost).
Wire mesh - **PS** (extra cost).
Plenum box - **PL** (extra cost).

Order code: **GG** **aaa x bbb** **+***

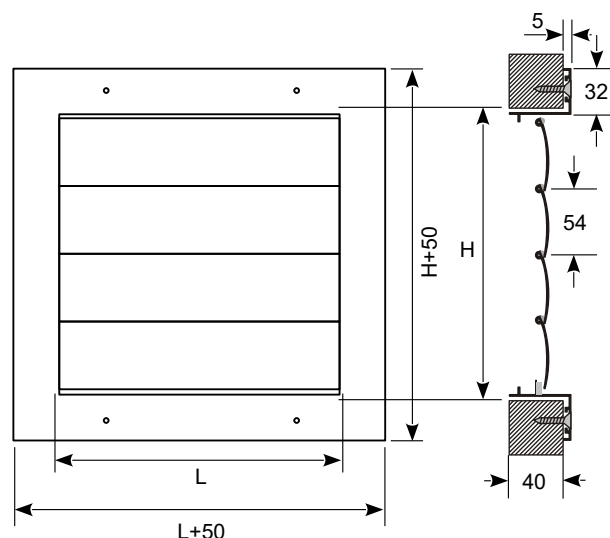
Product code _____
opening length L (mm) _____
opening height H (mm) _____

not specified - ALU (anodized aluminium)
RAL xxxx - optional RAL code**

* optional accessories

** exclusively at the request and at the risk of the customer,
without taking into account eventual technical complaints.

Technical data



LxH - opening hole size

Grille neck size: (L-10) x (H-10)

Standard sizes

L	H	Q (m³/h) @ V _{ef} 3 (m/s)
200	200	310
250	250	520
300	300	770
350	350	1050
400	400	1380
450	450	1770
500	500	2200
550	550	2680
600	600	3210

Important:

Can be used only in systems which have:
- for standard version: $2\text{m/s} < V_{\text{ef}} < 4\text{m/s}$
- for version+LK $2\text{m/s} < V_{\text{ef}} < 6\text{m/s}$

Custom sizes

Custom sizes available (under certain commercial conditions),
between LxH 200x200 mm ~ LxH 600x600 mm

For dimensions larger than LxH 600x600 it is recommended
to use **GL** type overpressure shutter.

Note: Overpressure shutter **GG** with sizes larger than LxH 600x600 mm it is manufactured
exclusively at the request and at the risk of the customer, without taking into account
eventual technical complaints.

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Technical data

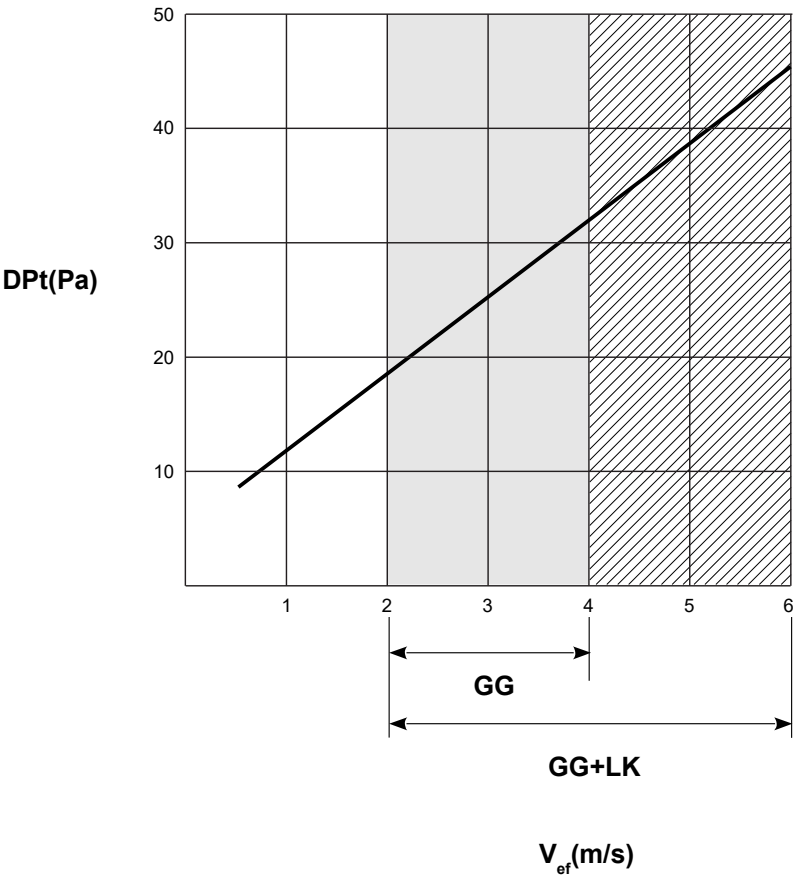
		A _{ef} (m²)									
H (mm)	600	-	-	0,145	0,170	0,195	0,221	0,246	0,272	0,297	
	550	-	-	0,132	0,155	0,178	0,201	0,225	0,248	0,271	
	500	-	0,098	0,119	0,140	0,161	0,182	0,203	0,224	0,245	
	450	-	0,089	0,108	0,127	0,146	0,164	0,183	0,202	0,221	
	400	0,061	0,078	0,095	0,112	0,128	0,145	0,162	0,178	0,195	
	350	0,053	0,068	0,082	0,097	0,111	0,125	0,140	0,154	0,169	
	300	0,046	0,058	0,071	0,083	0,096	0,108	0,121	0,133	0,145	
	250	0,038	0,048	0,058	0,068	0,078	0,089	0,099	0,109	0,119	
	200	0,029	0,037	0,045	0,053	0,061	0,069	0,077	0,085	0,093	
		200	250	300	350	400	450	500	550	600	
L (mm)											

- Use limits:
- V_{ef} = 2~4 m/s - GG
 - V_{ef} = 2~6 m/s - GG+LK

Selection formula :

$$V_{ef} = \frac{Q / 3600}{A_{ef}}$$

$$A_{ef} = \frac{Q / 3600}{V_{ef}}$$



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Mounting / Fixing

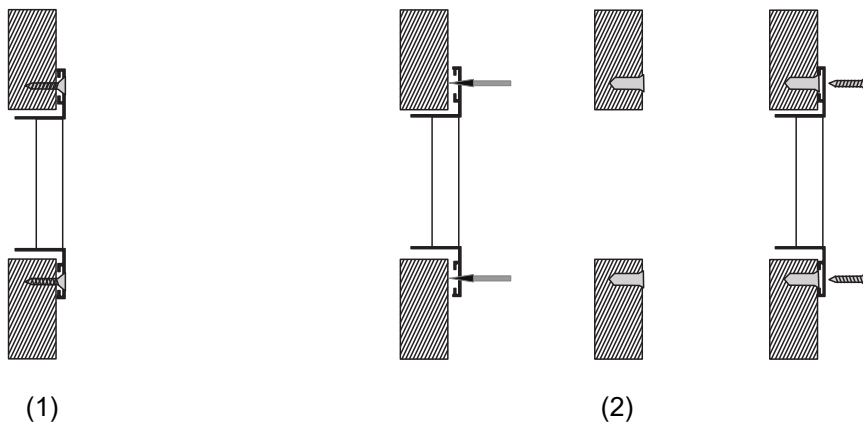
1: Measure opening hole and correct level differences and parallelism.
The maximum deviations allowed, both at parallelism and level difference, are +/- 5 mm.



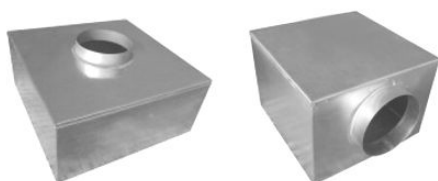
2: Fixing

In metal sandwich panel **(1)**, use self drilling metal screws.

In concrete / brick structure **(2)** etc., mark the drilling hole and use appropriate plugs / anchors (not included).



Optional accessories



PL – Plenum box (extra cost)