

## Series RG



Ventilation grille with gravity shutters

### Application

- Exhaust ventilation, heating and air conditioning networks in industrial, commercial and domestic premises.

### Design

- Made of high-quality extruded aluminium shape and an insert piece of perforated steel or expanded mesh.
- Polymer or anodized grille coating ensures weather-resistant properties.
- Non-standard sizes may be ordered.

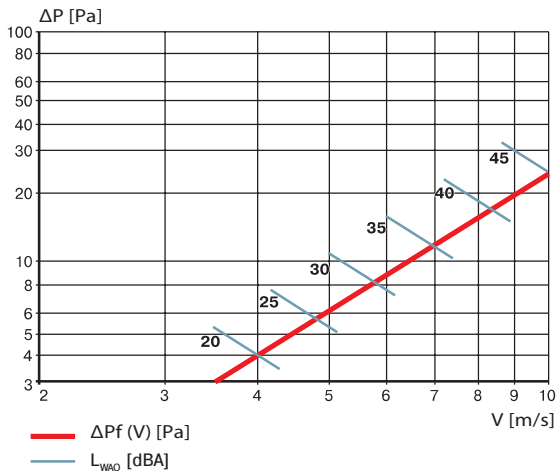
### Modifications

- Available modifications with an adapter (A) for connection to air ducts.
- Available modifications with versatile fixing (u) for fast mounting.

## Standard size [mm] and air pass [m<sup>2</sup>]

Height H [mm]	Length L [mm]								
	100	150	200	250	300	350	400	450	500
100	0.002	0.008	0.014	0.018	0.023	0.027	0.033	0.038	0.044
150	0.005	0.011	0.017	0.021	0.026	0.030	0.036	0.041	0.047
200	0.008	0.018	0.025	0.031	0.040	0.045	0.054	0.062	0.072
250	0.010	0.021	0.032	0.038	0.048	0.055	0.066	0.076	0.084
300	0.013	0.027	0.041	0.051	0.062	0.071	0.084	0.096	0.113
350	0.016	0.031	0.046	0.057	0.073	0.081	0.096	0.11	0.13
400	0.019	0.037	0.055	0.068	0.087	0.100	0.114	0.131	0.155
450	0.022	0.042	0.062	0.077	0.098	0.112	0.132	0.148	0.171
500	0.024	0.047	0.069	0.085	0.109	0.125	0.144	0.166	0.187

## Pressure loss and sound power level



Calculation formula	Correction factor $K_p$		
	0°	22°	45°
$\Delta P_p = \Delta P \times K_p$	1	1.25	1.5

Calculation formula	Correction factor $K$						
	$S_{ap}$ [m <sup>2</sup> ]	0.01	0.02	0.05	0.1	0.2	0.4
$L_{WA} = L_{wAO} \times K$	$K$ [dBA]	-9	-6	-3	0	+3	+6

### Designation:

$\Delta P_p$  – pressure loss at various vane positions [Pa]

$\Delta P$  – pressure loss [Pa]

$K_p$  – correction factor for pressure loss calculation depending on louvre deflection angle

$L_{WA}$  – sound power level [dBA]

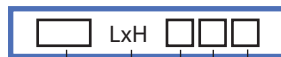
$L_{wAO}$  – sound power level for air pass 0.1 m<sup>2</sup> [dBA]

$K$  – correction factor for sound power level calculation depending on air pass [dBA]

$S_{ap}$  – air pass [m<sup>2</sup>]

$V$  – rated speed [m/s]

## Order code



### Grille type:

RG – gravity grille

### Grille size:

L – length [mm]

H – height [mm]

### Grille coating:

"\_\_" – colour\* (white by default)

"Anodized"

### Accessories:

\_\_ – no

A – adapter

### Grille fixation:

u – versatile

### \* Standard polymer coating colours:



## Overall and mounting dimensions

