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.

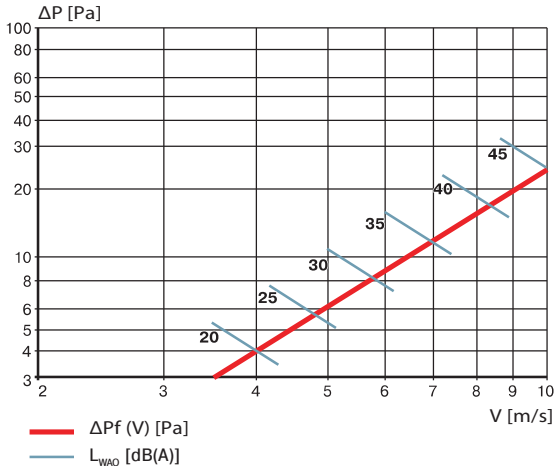
Modifications

- Available modifications with an adapter (A) for connection to air ducts, page 42.
- Available modifications with versatile fixing (u) for fast mounting, page 44.

Standard size [mm] and air pass [m²]

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	0,043
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
$\Delta P_p = \Delta P \times K_p$

Correction factor K_p			
	0°	22°	45°
K_p	1	1,25	1,5

Calculation formula
$L_{WA} = L_{WAO} \times K$

Correction factor K						
S_{ap} [m²]	0,01	0,02	0,05	0,1	0,2	0,4
K [dB(A)]	–9	–6	–3	0	+3	+6

Designation:

ΔP_p – pressure loss at various vane positions [Pa]
ΔP – pressure loss [Pa]
K_p – correction factor for pressure loss calculation depending on louvre deflection angle
L_{WA} – sound power level [dB(A)]
L_{WAO} – sound power level for air pass 0.1 m² [dB(A)]
K – correction factor for sound power level calculation depending on air pass [dB(A)]
S_{ap} – air pass [m²]
V – rated speed [m/s]

Order code

LxH □□□

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:**

white	beige	brown	grey	blue	black
RAL9016	RAL1015	RAL 8017	RAL7001	RAL 5005	RAL 9005

Overall and mounting dimensions