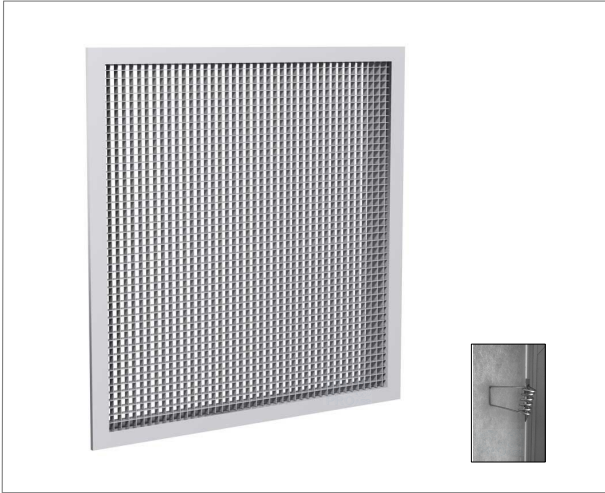


Grille with air filter

EGC-F



Specifications

Egg crate grille with 0° core with detachable air filter G4 class.
Available also with 45° core (extra cost).

Used for exhaust, supply or recirculation, in ventilation systems.
Effective area 90%, square grid 12,5x12,5 mm spacing.

Finish

Standard finish: white RAL9003.

Optional finishing:
- different RAL (extra cost)
- natural aluminium

Mounting / Fixing

Mounting on the wall or ceiling (inside).
Fixing with visible screws (countersunk hole in frame).

Different fixing systems are available under certain commercial conditions.
(see **Fixing systems for grilles / diffusers**)

Optional accessories

Air filter G3 class – **FG3**.
Plenum box – **PL** (extra cost).
Fixing systems (extra cost).

Order code: **EGC-F** **aaa x bbb** **+ ***

EGC-F - 0° core - standard
EGC45-F - 45° core (extra cost)

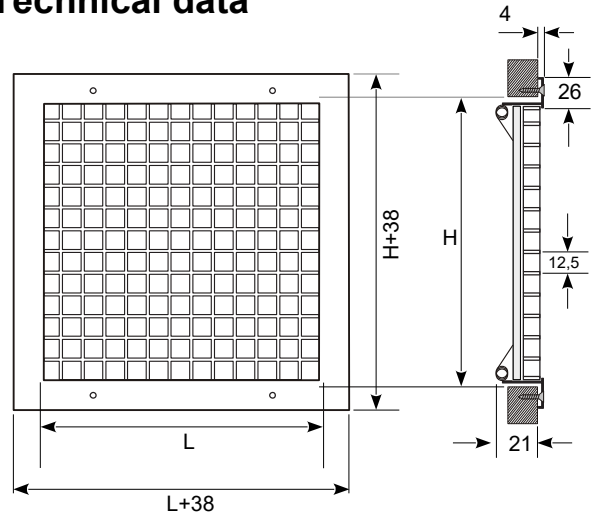
opening length L (mm)

opening height H (mm)

not specified - white RAL9003 (standard)
RALxxxx - optional RAL code
ALU - natural aluminium

* optional accessories

Technical data



LxH - opening hole size

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

Standard sizes

L	H	Q (m³/h) @ Vef 1,5 (m/s)
200	200	184
250	250	286
300	300	416
350	350	562
400	400	734
450	450	929
500	500	1150
600	600	1652
595*	595*	1388

* external dimension 595x595, for cassette ceiling system
(without mounting holes in frame)

Custom sizes

Custom sizes available (under certain commercial conditions),
between: LxH 100x100 mm ~ LxH 1200x600 mm

Grille with air filter

EGC-F

Technical data

LxH (mm)	A _{ef} (m ²)	Q (m ³ /h)	V _{ef} (m/s)	ΔPt _i (Pa) G4/G3	ΔPt _f (Pa)	DHC(g) G4/G3	AvAr(%) G4/G3
200x200	0,034	184	1,5	38 / 35	250	478 / 400	91 / 87
250x250	0,053	286	1,5	38 / 35	250	478 / 400	91 / 87
300x300	0,077	416	1,5	38 / 35	250	478 / 400	91 / 87
350x350	0,104	562	1,5	38 / 35	250	478 / 400	91 / 87
400x400	0,136	734	1,5	38 / 35	250	478 / 400	91 / 87
450x450	0,172	929	1,5	38 / 35	250	478 / 400	91 / 87
500x500	0,213	1150	1,5	38 / 35	250	478 / 400	91 / 87
600x600	0,306	1652	1,5	38 / 35	250	478 / 400	91 / 87
595x595*	0,257	1388	1,5	38 / 35	250	478 / 400	91 / 87

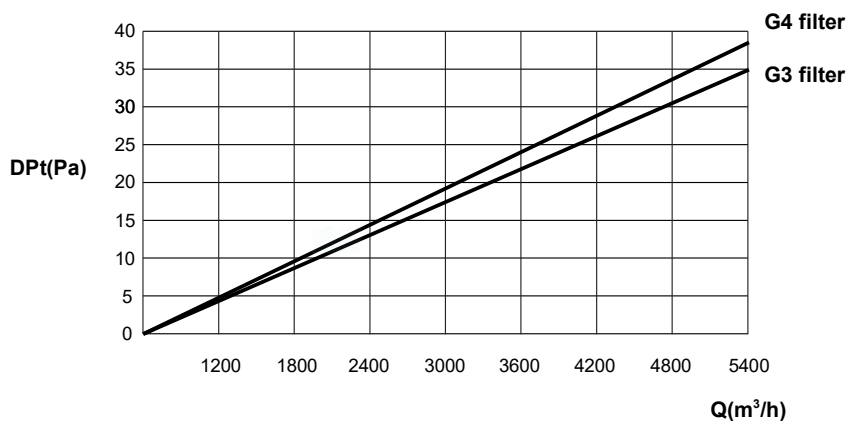
*external dimension 595x595, for cassette ceiling system

Specifications:

- ΔPt_i(Pa) - initial pressure loss (clean filter)
- ΔPt_f(Pa) - final pressure loss (dirty filter)
- DHC(g) - dust holding capacity (g)
- AA(%) - average arrestance (%)

General specifications filter material:

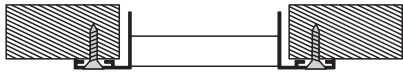
- Filter classification ISO16890 - Coarse 60% G4 / Coarse 40% G3
- Flammability class DIN 53438 - F1
- Temperature resistance - 100°C continuous



Grille with air filter

EGC-F

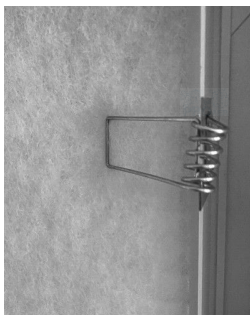
Fixing



Fixing with visible screws (**standard**).
Screws are supplied at the same color as grille.

Different fixing systems are available (under certain commercial conditions).
(details in **Fixing systems for grilles / diffusers** chapter)

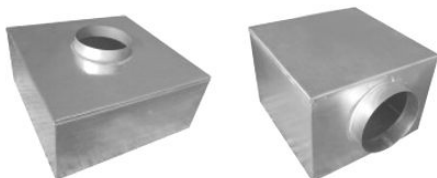
Filter replacement



The filter (class G4 standard) is fixed on the back of the grille with torsion springs. Lift the springs for filter replacement.

Spare filter:
- class G4 - **FG4**
- class G3 - **FG3**

Optional accessories



PL – Plenum box (extra cost)

Variants:
- uninsulated / thermal insulated
- axial or lateral spigot