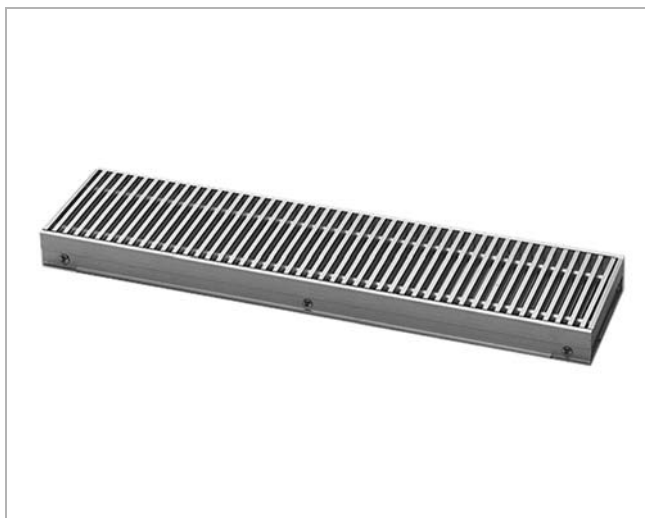
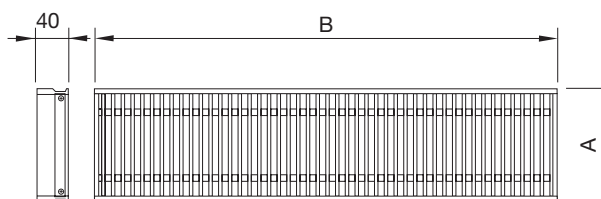


Installation grille

IGR



Dimensions



A dimension along bars
B dimension across bars

A x B mm		Free area F(m ²)	Weight kg
150	X 600	0,045	2,3
200	X 600	0,062	2,8
300	X 600	0,094	3,6
600	X 600	0,191	6,6

Description

Installation floor grille type IGR is supplied as standard as an I-profile with 12.5 mm divisions and 55% free area. However, the grille can also be supplied with other profile types and with other divisions.

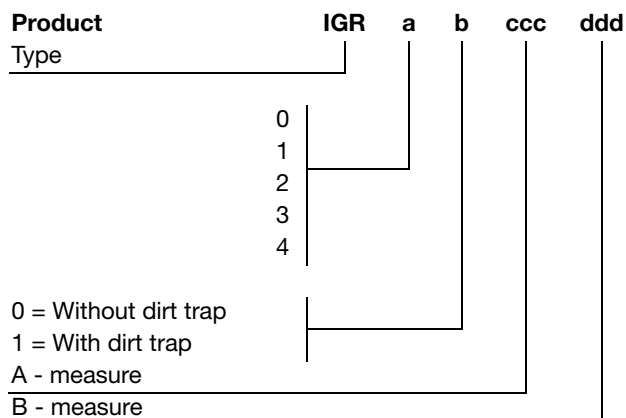
Load with standard grid

The grille can handle the following load without permanent deformation.

Evenly distributed: Up to 1,500 kg/m²
Point load: Up to 500 kg tested with a nylon wheel with a diameter of 200 mm and a width of 63 mm.

- 0 = Without accessories
- 1 = Volume regulation damper
- 2 = Air distributor
- 3 = Air distributor and basic filter G85 (EU3)
- 4 = Air distributor and fine filter F45 (EU5)

Order code



Materials and finish

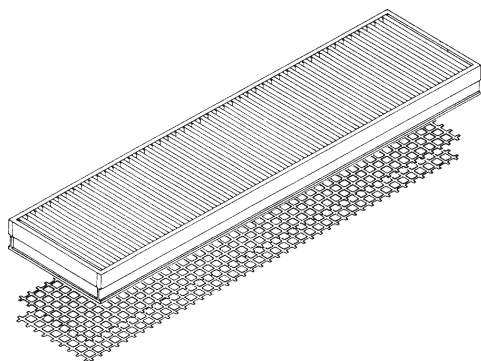
Grille and frame: Aluminium
Damper/air distributor: Hot-galvanised plate
Standard finish: Natural anodised

The diffuser is available in other colours. Please contact Lindab's sales department for further information.

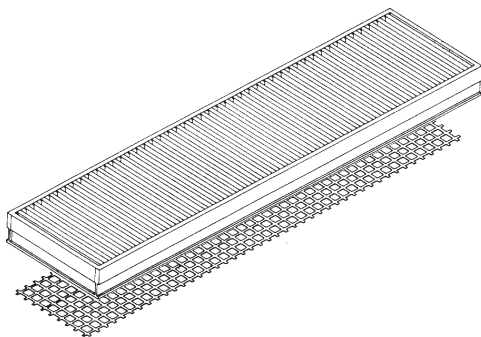
Installation grille

IGR

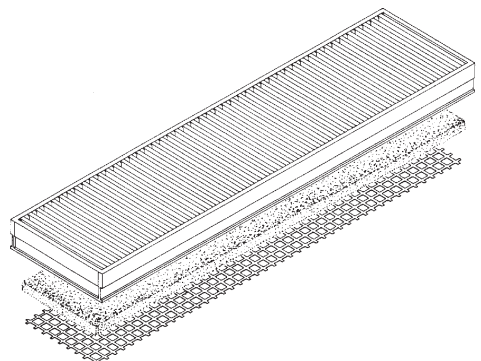
Accessories



1. Volume regulation damper

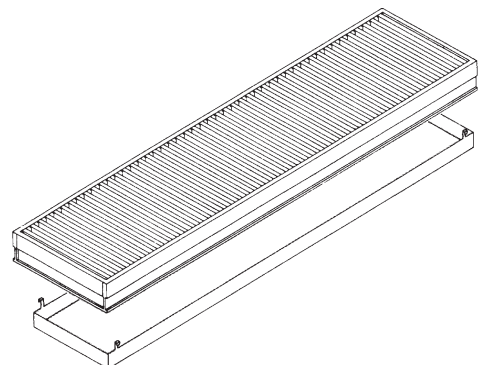


2. Air distributor



3. Air distributor and basic filter EU3

4. Air distributor and fine filter EU5



Dirt trap

The dirt trap prevents dust and dirt from above getting under the actual installation floor. The dirt trap can be easily cleaned by raising the grille.

Technical data

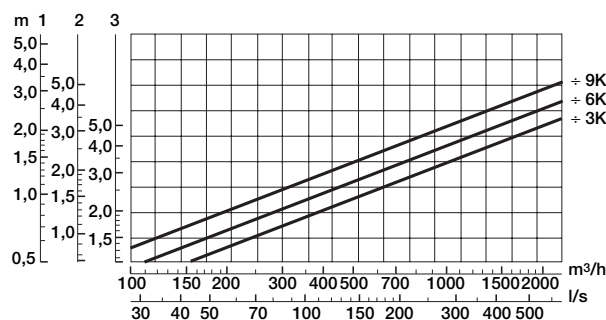
Table 1
Recommended volume flow in m³/h (l/s)

Δt	A x B			
	150 x 600	200 x 600	300 x 600	600 x 600
- 3K	90-220 (25-60)	120-300 (35-85)	220-550 (60-150)	450-1100 (125-300)
- 6K	135-380 (40-110)	180-510 (50-140)	330-930 (90-260)	680-1800 (190-500)
- 9K	155-440 (45-120)	210-590 (60-160)	380-1100 (110-300)	790-2000 (200-560)

As long as the recommended volume flow is not exceeded, a maximum air jet height of 0.5-2.0 m is achieved.

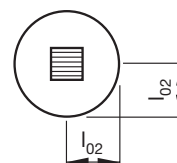
Diagram 1

Near zone $l_{0,2}$

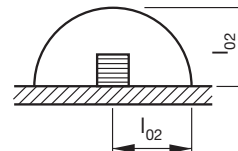


Positioning

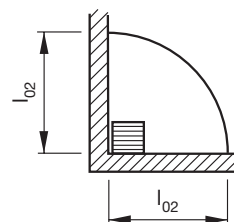
1: Free area



2: Against wall



3: In corner



Near zone $l_{0,2}$ does not depend on the size of the grille, as long as the recommended volume flow in table 1 is maintained.

Installation grille

IGR

Technical data

Capacity

Volume flow q [l/s] and [m³/h], total pressure drop p_t [Pa] and throw $l_{0,2}$ [m] can be seen in the diagrams.

Near zone $l_{0,2}$

The area around the grille where the average speed is greater than 0.20 m/s is specified as the near zone. Near zone spread $l_{0,2}$ is shown in the dimensioning diagrams for Δt -3 K, -6 K and -9 K where Δt is the temperature difference between the supplied air and the air in the room measured 1 m above the floor.

Sound level L_A

The sound values L_A [dB(A)] apply at a room attenuation of 4 dB, which corresponds to the attenuation in the echo field in a room with a room constant of 10 m² SABINE.

- A: IGR without accessories
- B: IGR with open volume regulation damper or with air distributor
- C: IGR with closed volume regulation damper
- D: IGR with air distributor and basic filter
- E: IGR with air distributor and fine filter

