

ALF

FLOOR VENTILATION GRILLES



Characteristics:

A rectangular floor air supply or exhaust ventilation grille made of aluminium, with fixed vanes set at an angle of 15 degrees.

Intended use

The ALF ventilation grilles are designed for low- and medium-pressure ventilation systems. They may be installed directly in the floor as end elements of ventilation ducts.

Design

The frame and fixed vanes (removable insert) are made of aluminium anodised to a natural colour. Other RAL colours are available upon request. The vanes are made of a profile that allows shaping the air discharge at an angle of 15 degrees.

Net surface area

Approximate net surface area of the ALF grilles:

$$A = 68\% \times [(C-10) \times (D-10)]$$



The technical data of the grilles, including pressure loss, noise level and stream ranges, is available at smay.eu, in the document titled "Flow Characteristics for Grilles and Diffusers"

Dimensions

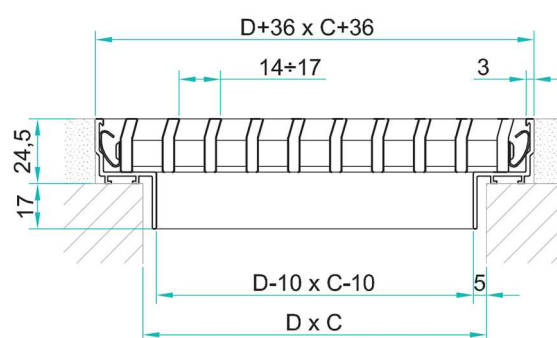


Figure 1. ALF grille dimensions

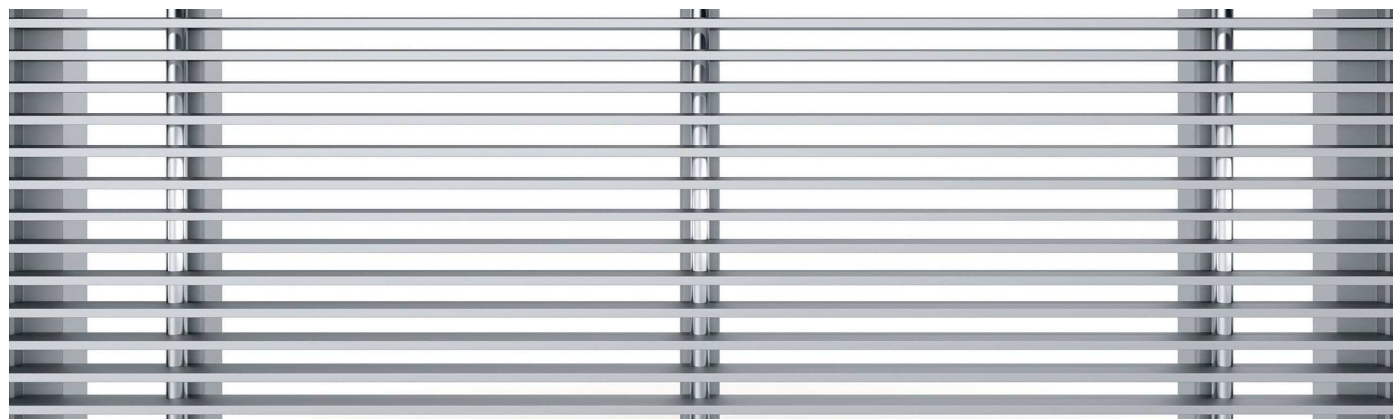
Standard dimensions of the ALF grilles:

- width **C = 200–1,950*** mm
- height **D = 75–1950*** mm

* One of the dimensions, either the C width or the D height, must be lower than 564 mm.

Installation

The grille insert is installed in the frame by means of spring-loaded latches. The whole product is installed in a properly prepared mounting hole.





ALF – Floor ventilation grilles

When ordering, please provide information according to the following pattern:

ALF - <C> × <D> - <P> / <ADD>

Where:

C mounting hole width in mm
D mounting hole height in mm
P finish*

AA – anodised aluminium

ADD specify additional accessories here, as below:

Accessories**

GA opposed blade damper made of aluminium
GP opposed blade damper made of galvanised steel
GC reclining damper made of galvanised steel
GM arched damper made of galvanised steel and aluminium
GT slot damper made of galvanised steel
L01 screen deflector with a clearance equal to 40%, made of galvanised steel
L02 screen deflector with a clearance equal to 58%, made of galvanised steel

* optional values – if not specified, default values will be used

** for more information about accessories, see the accessories sheet for grilles and diffusers

Order example:

ALF-525×225-AA/GA



Blocks for REVIT software,
a selection programme and
certificates are available at
www.smay.pl.