

GAA

Sound Attenuator

Description

The GAA type attenuators are designed for sound attenuation in HVAC systems.

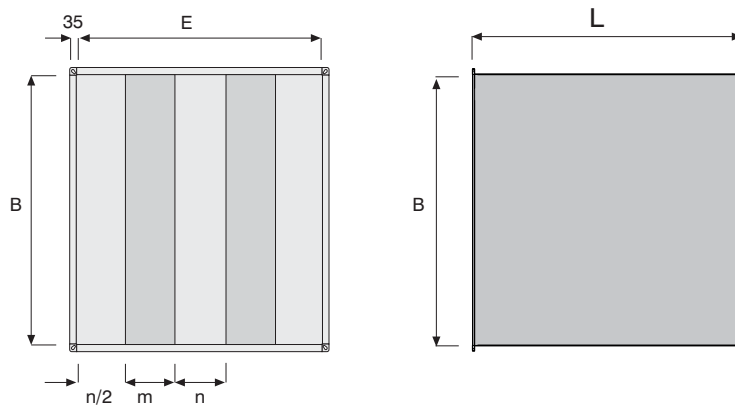
Properties

These attenuators have 100, 200 or 300 mm wide splitters. A single unit can have maximum dimensions of 2400 mm width, 1800 mm height and 1500 mm length. Larger dimensions are produced in divided parts. The GAA type attenuators are self-flanged and are compatible with 20 - 30 mm standard duct flanges. The splitters have glass fibre fabric layer, which is rot-proof and moisture repellent; over the glasswool fillings. The materials are totally non-flammable. The glass fibre fabric layer also resists abrasion up to 20 m/s velocities. To increase the attenuation, the surfaces of the splitters are covered with 0.5 mm thick, plain or perforated galvanized steel sheets.

Materials

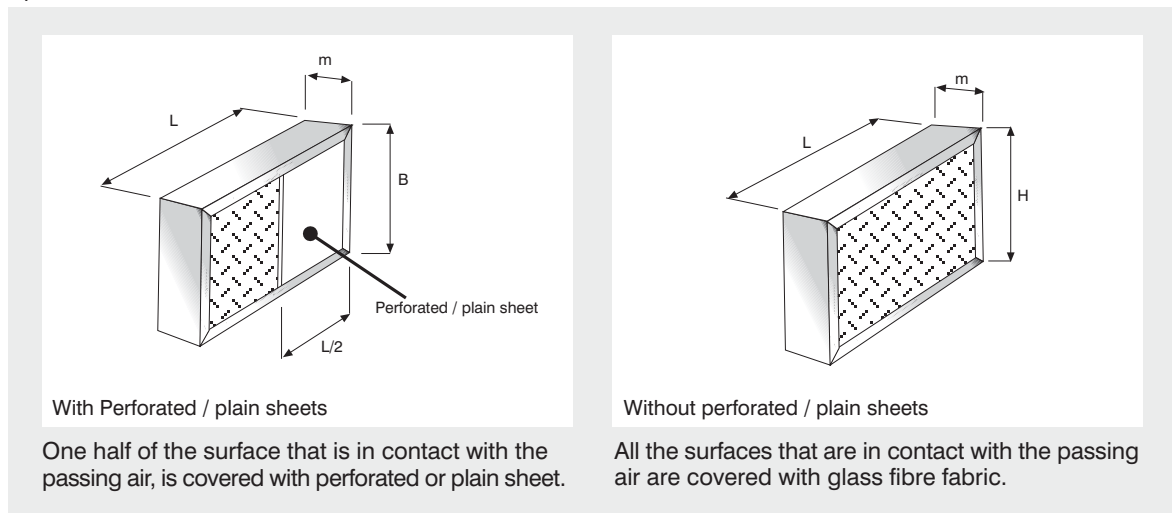
The main casing is manufactured from 1 mm, and the splitter casings from 0.5 mm galvanized steel sheets. The splitters are filled with glasswool, conforming with DIN 4102 Class A2.

Dimensions



m	Splitter width (mm)	100, 200 or 300 mm
k	number of splitters	
n	space between splitters (mm)	
L	Length of the attenuator (mm)	
B	Height of the attenuator (mm)	
E	Width of the attenuator [$E = k \times (m+n)$] (mm)	

Splitters



With Perforated / plain sheets

One half of the surface that is in contact with the passing air, is covered with perforated or plain sheet.

Without perforated / plain sheets

All the surfaces that are in contact with the passing air are covered with glass fibre fabric.

Determining the attenuator size:

Please contact us, with the information :

- Maximum permissible dimensions
- Required attenuation
- Air flow rate
- Permissible pressure drop across the attenuator

Specification Text

Splitter type sound attenuator for HVAC applications. The attenuator casing will be made from 1 mm galvanized steel sheets, and the splitter cases from 0.5 mm galvanized steel sheets. The splitters will be filled with glasswool and covered with glasswool fabric, conforming with DIN 4102 Class A2. The splitter faces that are in contact with the passing air,

if necessary, will be covered with perforated or plain galvanized steel sheets, to increase the attenuation at high frequencies. The attenuator will be self-flanged on its casing, compatible with 20 - 30 mm standard duct flanges.

Order Code

Model		GAA.10.AP.10- E x B x L (n-k)	
Splitter width	10...Width 100 mm 20...Width 200 mm 30...Width 300 mm		Refer to page 2
Covering sheet	AA...Without covering sheet AP...With perforated sheet AS...With plain sheet		
Flange	00...Without flange 10...With flange		The dimensions are determined by the aimed attenuation and permissible space.

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DIN EN ISO 9001:2000
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