

ACOUSTIC SPLITTERS

1.1.3

SONIE BL - CLEAN ROOMS

ACOUSTICS

Acoustic splitter for clean rooms

The SONIE BL acoustic splitter is made of :

- An aerodynamic frame including groove stiffening deformation.
- A 50 kg/m³ sound proofing mineral wool
- A fiberglass fabric protection for efficient anti-erosion
- Assembly with rivets or clips



The new frame generation is designed with rounded angles, reducing pressure losses by 30% compared to standard splitters.

CONSTRUCTION

		Characteristics	Options
Frame	Material	Galvanized steel sheet with grooving	Stainless steel, painted steel or aluminium
	Thickness	0,6 mm	0,8 mm, 1 mm or 1,2 mm
	Width	50, 100, 150, 200 or 300 mm	
	Assembly	By steel rivets or clips	By stainless steel rivets
	Stiffener	Depending on the size	
Sound proofing material	Material	Mineral wool panel Fire classification A1	
	Density	50 kg/m ³	Other on request
	Protection	anti-erosion fiberglass fabric on both sides	

Information and data can not be considered as contractual. Design and data changes may occur without notice during F2A's continuous product development.

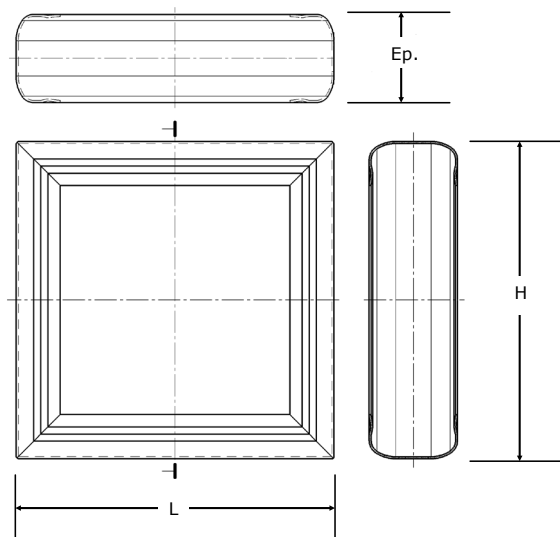
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DIMENSIONS

The splitters are made in one or several units depending on the dimensions.
A one unit construction shall respect the following criteria:

Length max. (mm)	2 500
Height max. (mm)	2 500
Surface max.	4 m ²
Weight max.	50 kg



APPLICATIONS

The SONIE BL splitter is recommended for sound attenuators installed in laboratories, clean rooms, operating rooms,...

Anti-erosion fiberglass fabric protection prevents the fiber dispersion in the ventilation ductworks.

PERFORMANCES

SONIE BL acoustic and aeraulic performances (insertion losses, regeneration & pressure loss) correspond to the SONIE BS splitter's. Please refer to FT 1.1.1A for measurement details.

Specifications

- Acoustic splitter for clean rooms
- A rounded aerodynamic frame in galvanized steel with grooving
- Soundproofing with 50 kg/m³ insulation panel, inorganic, rot-resistant and water-repellent
- Anti-erosion fiberglass fabric protection on both sides preventing fiber dispersion into the ventilation ductworks