

# ACOUSTIC SPLITTER

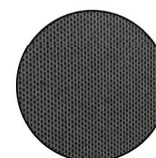
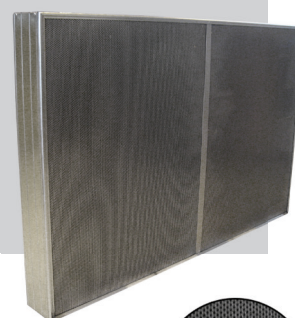
1.1.5+

## SONIE BP+

ACOUSTICS

The SONIE BP+ acoustic splitter is manufactured from :

- A rounded edge aerodynamic frame including stiffening groove deformations
- A 24 kg/m<sup>3</sup> sound proofing material
- A protection with anti-erosion glass silk and perforated steel sheet
- Assembly with rivets



*The new frame generation includes rounded edges reducing pressure losses up to 30% compared with standard splitters.*

Perforated steel sheet protection

## CONSTRUCTION

		Characteristics	Options
Frame	Material	Galvanized steel Z275	Stainless steel
	Thickness	0,8 mm	1 mm, 1,2 mm
	Width	100, 150, 200 or 300 mm	
	Assembly	Zinc steel rivets	Stainless steel rivets
	Stiffener	For a surface area H x L over 1 m <sup>2</sup>	
Sound proofing material	Material	Mineral wool panel Fire classification A2-S1-D0	
	Density	24 kg/m <sup>3</sup>	Other on request
	Protection	Anti-erosion glass silk on both faces	
Protection	Material	Perforated galvanized steel sheet	Stainless steel
	Thickness	0,8 mm	

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

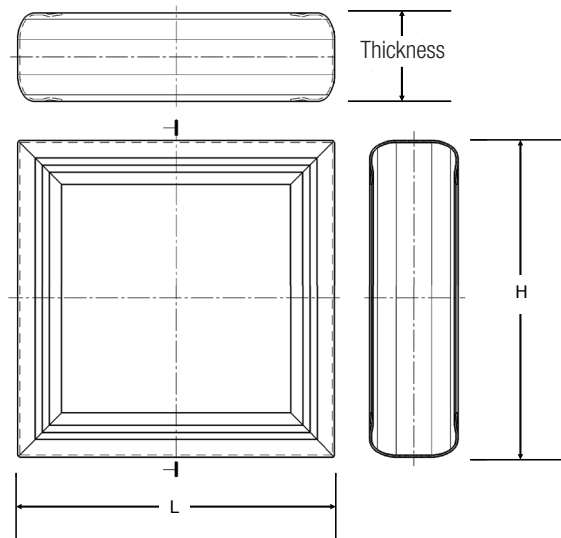
# ACOUSTIC SPLITTER

## SONIE BP+

### 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.	3 m <sup>2</sup>
Weight max.	50 kg



For larger dimensions, acoustic splitters are provided in several units with mounting accessories.

### APPLICATIONS

The SONIE BP+ splitter is recommended for sound traps subject to high air velocity (up to 20 m/s).

### PERFORMANCES

SONIE BP+ splitter acoustic performances (static attenuation and dynamic regeneration) and pressure losses are the same than SONIE BS+ splitter.

Please refer to FT 1.1.1+ for details.

#### Specifications:

- Acoustic splitter for high air velocity
- Rounded edges aerodynamic frame in galvanized steel Z275 with stiffening groove deformations.
- Sound proofing material with a density of 24 kg/m<sup>3</sup>, inorganic, rot-resistant and water-repellent.
- Protection with perforated galvanised steel sheet Z275 on both faces allowing an air velocity up to 20 m/s in air ways.