

11094701

ECTA 100 L/H 300-1399 mm

The ECTA rectangular sound attenuator strongly attenuates low, mid and high-frequency noise propagation in rectangular ducting.



ECTA 100 L/H 300-1399

PRODUCT BENEFITS

- High-performance acoustic attenuation,
- energy savings: low pressure losses,
- fully configurable: dimensions, number of baffles, type of frame, etc.

Principles of operation

The ECTA comprises a single-piece panel made of 100 mm or 200 mm thick mineral wool which strongly absorbs noise. To maximise attenuation, several should be installed in series inside a ducting element.

Product description

The ECTA rectangular sound attenuator attenuates noise transmitted in the ventilation ducting and therefore ensures acoustic comfort inside non-residential and multi-occupancy residential buildings. The baffle is 100 mm or 200 mm thick and its L x H dimensions may be between 300 and 2400 mm.

Fields of application

Multi-occupancy residential housing, New, Refurbishment, Non-residential buildings

Installation

- installed in series in a rectangular ducting element,
- install between slides for better performance management,
- delivered as complete unit.

Reference arguments

• ECTA 100 rectangular sound trap to strongly attenuate the propagation of noise in a ventilation or air conditioning system in non-residential or multi-occupancy residential buildings. • Baffle thickness: 100 mm. • Anti-flocking glass mat. • Density: 55 kg/m³. • Length and height: from 300 to 1399 mm. • Galvanised steel frame. • Fire rating: M0/A1. • Option: full unit with baffles and METU connection frame, stainless steel 304 or 316 frame, baffle coated with glass fibre or slotted plate.

Main characteristics

- thickness 100 mm or 200 mm,
- dimensions (L and H) from 300 to 2400 mm.
- single-piece panels made of mineral wool,
- density: 40 kg/m³,
- black anti-flocking glass mat, 1 mm thick in standard range (available on request: glass fibre for sterile rooms or perforated plate for high pressure and speed applications),
- galvanised steel frame, standard thickness 6/10° (available on request: 304 or 316L stainless steel),
- available on request: complete unit including the housing, riveted baffles and METU type connection frame,
- M0 fire certification, or A1 under Euroclass ratings,
- version tested to 400°C - 2 hours up to 10 m/s,
- Class B air tight properties as per EN 1751 (class C on request).

Options

CI3041
CI3161
G10
G12
G15

11094701

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Options

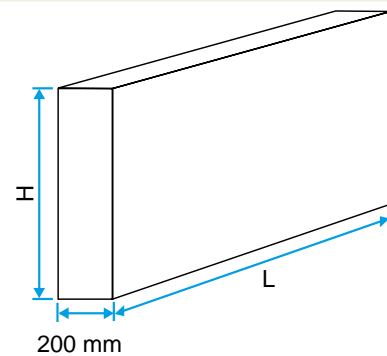
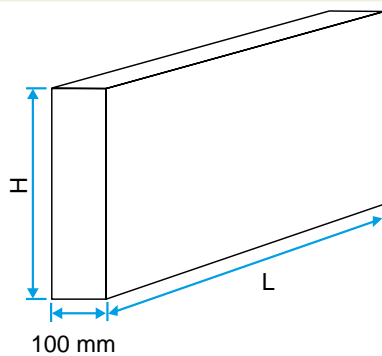
I10
I12
I15
MG
MI304
MI316
PG1
PI3041
PI3161
TISSU

General data

References	Insulation density of the baffle (kg/m ³)	Insulation thickness of the baffle (mm)
11094701	55	100

Dimensional data

References	H (mm)	L (mm)
11094701	300-1399	300-1399



ECTA 100

Acoustic data

References	Acoustic attenuation measured according to standard ISO 7235 for L=1000 mm at 1000 Hz and inset of 100 mm (dB)	Acoustic attenuation measured according to standard ISO 7235 for L=1000 mm at 1000 Hz and inset of 150 mm (dB)	Acoustic attenuation measured according to standard ISO 7235 for L=1000 mm at 1000 Hz and inset of 200 mm (dB)	Acoustic attenuation measured according to standard ISO 7235 for L=1000 mm at 1000 Hz and inset of 50 mm (dB)	Acoustic attenuation measured according to standard ISO 7235 for L=1000 mm at 125 Hz and inset of 100 mm (dB)	Acoustic attenuation measured according to standard ISO 7235 for L=1000 mm at 125 Hz and inset of 150 mm (dB)	Acoustic attenuation measured according to standard ISO 7235 for L=1000 mm at 125 Hz and inset of 200 mm (dB)	Acoustic attenuation measured according to standard ISO 7235 for L=1000 mm at 125 Hz and inset of 50 mm (dB)	Acoustic attenuation measured according to standard ISO 7235 for L=1000 mm at 2000 Hz and inset of 100 mm (dB)	Acoustic attenuation measured according to standard ISO 7235 for L=1000 mm at 2000 Hz and inset of 150 mm (dB)
11094701	31	22	16	45	4	3	2	7	30	23

Regulatory data

References	Fire protection rating
11094701	A1