11094990
OCTA with baffle D250

The OCTA with baffle sound attenuator strongly attenuates mid and high-frequency acoustic propagation in circular ducting.

Octa à baffle diamètre 250 à joint

PRODUCT BENEFITS

- high-performance acoustic attenuation,
- energy savings: low pressure losses,
- energy savings: low leak rate (class C rating).

Principles of operation

The interior of the OCTA with baffle is lined with mineral wool coated with glass mat to attenuate noise. Furthermore, Octa is fitted with a central mineral wool baffle which reinforces its attenuation capacity.

Product description

The OCTA with baffle circular sound attenuator very strongly attenuates noise transmitted in the ventilation ducting and therefore ensure acoustic comfort inside commercial and multi-occupancy residential buildings while delivering good airtight performance. A wide range of diameters from Ø 250 to Ø 630 mm.

Fields of application

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

Installation

- directly inserted between two circular ducts.

Reference arguments

Silencer

- External casing made of solid galvanised steel.
- Sealed connection rings.
- Internal casing made of slotted galvanised steel.
- Soundproofing 50 mm: mineral wool + glass mat.
- M0 fire rating. Central baffle
- Single-piece panels made of mineral wool.
- Anti-flocking glass mat.
- Galvanised steel frame.
- Leading edges built in to baffle.
- Baffle thickness 50 mm.
- M1 fire rating.

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Main characteristics

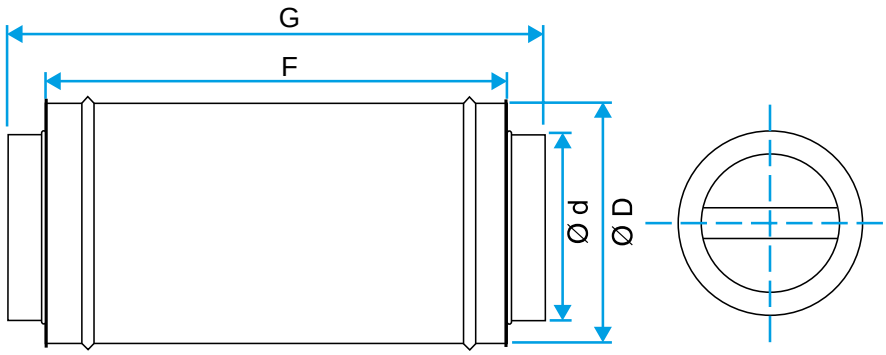
• silencer:
- external casing made of solid galvanised steel,
- connection rings with seals,
- Internal casing made of slotted galvanised steel,
- sound-proofing: mineral wool + glass mat,
- insulation thickness: 50 mm for Ø up to 500 mm and 100 mm for larger ducts
- M0 fire certification, or A1 under Euroclass ratings,
- class C airtight performance as per EN 1751
• central baffle:
- single-piece panels made of mineral wool,
- Anti-flocking glass mat,
- galvanised steel frame,
- leading edges built into baffle.
- baffle thickness: 50 mm up to Ø 355 mm and 100 mm for larger ducts,
- M1 fire certification.

General data

References	Insulation density of the baffle (kg/m³)	Insulation density (kg/m³)	Thickness of insulation (mm)	Insulation thickness of the baffle (mm)	Insulation material
11094990	55	17	50	50	Mineral wool

Dimensional data

References	F (mm)	Ø d (mm)	Ø D (mm)	Weight (kg)
11094990	900	250	355	12



Octa à baffle

Airflow data

References	Pressure losses at 5 m/s (Pa)
11094990	6

Acoustic data

References	Acoustic attenuation measured according to standard ISO 7235 at 1000 Hz (dB)	Acoustic attenuation measured according to standard ISO 7235 at 125 Hz (dB)	Acoustic attenuation measured according to standard ISO 7235 at 2000 Hz (dB)	Acoustic attenuation measured according to standard ISO 7235 at 250 Hz (dB)	Acoustic attenuation measured according to standard ISO 7235 at 4000 Hz (dB)	Acoustic attenuation measured according to standard ISO 7235 at 500 Hz (dB)	Acoustic attenuation measured according to standard ISO 7235 at 63 Hz (dB)	Acoustic attenuation measured according to standard ISO 7235 at 8000 Hz (dB)	Regeneration at 5 m/s at 1000 Hz (dB)	Regeneration at 5 m/s at 125 Hz (dB)
11094990	31	5	39	11	29	20	4	15	23	36

Regulatory data

References	Fire protection rating
11094990	A1