

# Flexible silencer

## Description

The flexible silencer has been specifically developed to bridge inaccurate distances and angles between ventilation units and the piping system, while effectively dampening noise in the duct.

The inner hose consists of polypropylene (non-woven) cloth, which ensures sound absorption without the risk of glass wool erosion in the airflow. The hose is thermally and acoustically insulated with a glass wool insulation layer and finished with a vapor-tight outer sheath of aluminium laminate.

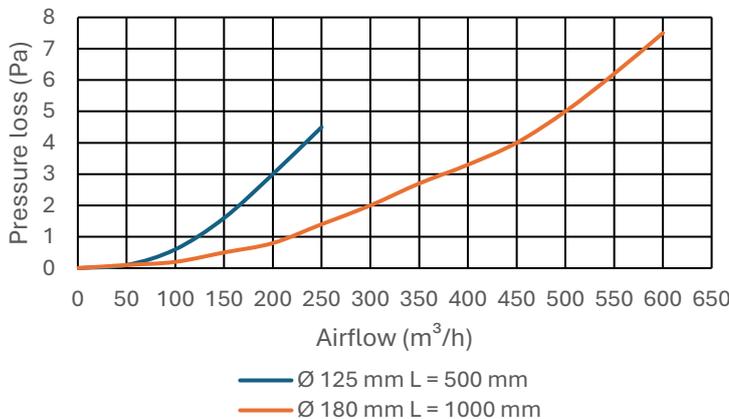
For quick and airtight installation, the silencer is equipped with metal plug-in sleeves on both sides as standard, allowing it to be connected directly to the unit or ductwork.



## Technical data

- **Flexible & Compact:** Easy to bend and stretch for mounting in confined spaces.
- **Healthy indoor climate:** The non-woven inner hose prevents insulation fibres from entering the airflow. Non-woven: non-woven material produced by compressing/joining fibres together without weaving or knitting.
- **Acoustic insulation:** Glass wool filling dampens both mechanical and aerodynamic noises in the duct.
- **Thermal insulation:** The insulation layer (25 mm) and vapour barrier outer sheath limit heat loss and prevent condensation.
- **Direct Mounting:** Equipped with metal sockets at both ends for direct connection without additional connectors.
- **R-value glass wool:** 0.65 m<sup>2</sup> K/W
- **Workload:** max. +2000 Pa
- **Bend radius:** 1 x Ø + 25 mm

## Pressure loss\*



## Noise reduction\*

	Frequency	Ø 125 mm L = 500 mm	Ø 180 mm L = 1000 mm
Noise reduction [dB]	63 Hz	12.70	17.30
	125 Hz	10.70	13.60
	250 Hz	17.50	27.60
	500 Hz	20.60	26.50
	1000 Hz	19.90	26.00
	2000 Hz	25.80	35.10
	4000 Hz	23.00	22.70
	8000 Hz	12.80	13.20

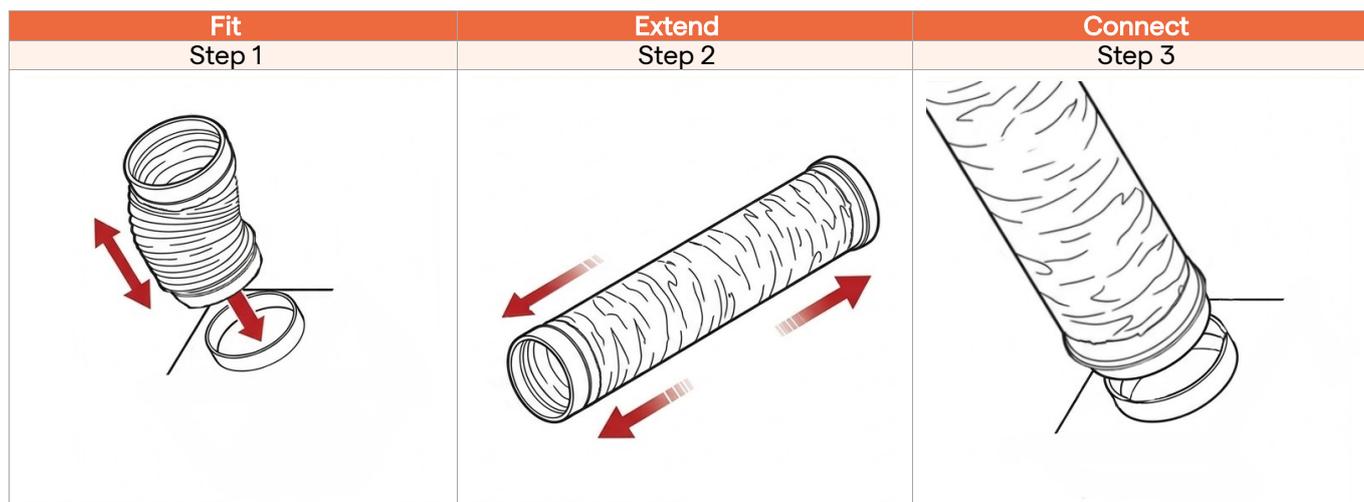
\* For fully extended flexible silencer

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## Available versions

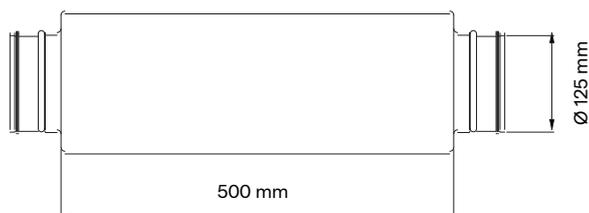
Connection diameter	Extended length	Insulation (None-Woven)
Ø 125 mm	500 mm	25 mm
Ø 180 mm	1000 mm	

## Installation



## Dimensional drawings

Ø 125 mm L = 500 mm



Ø 180 mm L = 1000 mm

