

Airflow control**11093905****CRE MANI D250 1-2-3-4 PIQ.D125**

The multi-dwelling CRE storey manifold can connect two dwellings on the same storey to the same vertical riser.

**PRODUCT BENEFITS**

- connect 2 dwellings to same CRE storey collector,
- reduce number of ducts and save useful space,
- patented product.

REGULATIONS AND COMPLIANCES

Technical Opinion no.: 14.5/11-1698_V2

Principles of operation

The multi-dwelling CRE storey manifold can connect two dwellings on the same storey to the same vertical riser, using an acoustic divider plate.

Product description

The multi-dwelling CRE storey manifold can connect two dwellings on the same storey to the same vertical riser, while respecting the acoustic regulation requirements. The CMEV system is dimensioned according to DTU 68.1. The pressure loss from the multi-dwelling CRE can be considered as identical to a standard CRE (additional straight-line pressure loss due to divider plate is considered insignificant). The separation due to the acoustic divider is sealed with silicone sealant. It ensures leak-free installation without excessive pressure losses at connections.

Fields of application

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

Installation

- easy assembly of interlocking accessories: ducts are female, accessories are male,
- Final seal requires sealant and/or perforated strip,
- attached to duct using self-tapping screws (4 to 6 depending on diameter).

Reference arguments

Application:

- Used to connect two dwellings on the same floor to the same riser, while respecting the acoustic regulation requirements.
- Connect up to 4 connectors D125 to a riser diameter 250 mm
- Ensures leak-free installation without excessive pressure loss on duct connections
- Caution: not to be used for gas CMEV systems

Description:

- CRE storey manifold made of galvanised steel with 4 connections D125 to a vertical riser diameter 250 mm and including an acoustic partition
- For an airtight seal on the acoustic partition separation use silicone sealant
- The soundproofing was classified by CSTB with precise use cases
- The CMEV installation is dimensioned in accordance with DTU 68.1. The pressure loss from the multi-dwelling CRE can be considered as identical to a standard CRE (additional straight-line pressure loss due to partition plate is considered insignificant).

Airflow control

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Main characteristics

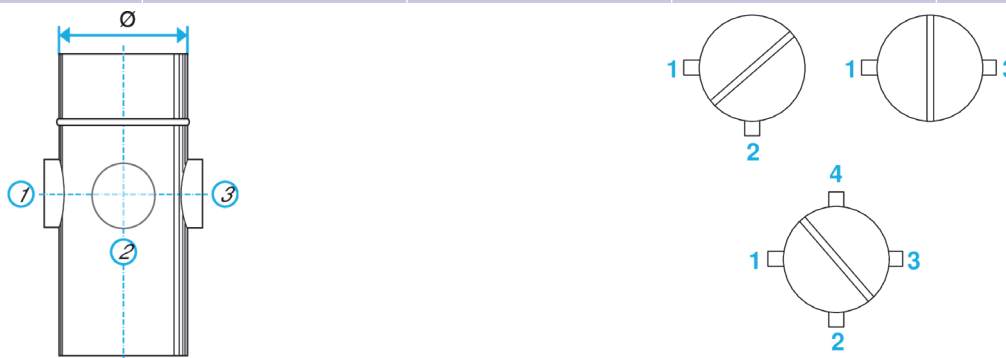
- available diameters from 200 to 450,
- height h = 730 mm,
- 1 to 6 Ø125 connections,
- acoustic divider:
 - thickness: 25 mm,
 - height: 800 mm,
 - MO fire certification.
- the acoustic insulation rating is characterised by the CSTB,
- galvanised steel as per EN 10346 ensuring uniformity of coating,
- MO fire certification,
- caution: not for use on gas CMEV system.

General data

Variants	Main material
11093905	Galvanised steel

Dimensional data

Variants	H (mm)	Ø (mm)	Ø A (mm)	Ø B (mm)	Ø CRE (mm)
11093905	730	250	250	125	125



Acoustic data

Variants	Soundproofing level Dnew (c) for self-balancing kitchen terminal (dB)	Soundproofing level Dnew (c) for humidity-controlled kitchen terminal (dB)	Soundproofing level Dnew (c) for humidity-controlled bathroom/WC terminal (dB)
11093905	56	57	63

Regulatory data

Variants	Fire protection rating
11093905	MO