PEFLEX PP 2x90 plenum boxes

Description:

PEFLEX PP 2x90 plenum boxes are designed to connect two Ø90 mm ducts to a Ø125 mm spigot leading to an air diffuser in mechanical ventilation systems.

Their primary function is to reduce air velocity, which simultaneously balances and stabilizes the airflow, reduces noise, and ensures quiet, uniform system operation.

Variants are available for floor installation (within the screed) or ceiling installation (under the slab), in short socket, long socket (30 cm), or nipple extension versions. The long socket version is equipped with a 30 cm spigot designed for a 125 mm diameter air diffuser.

Manufactured using innovative technology, it ensures a constant internal diameter (125 mm) and external diameter (129 mm) across the entire length of the spigot.

Ø90 mm connectors featuring CLICK technology and integrated gaskets guarantee a fast and airtight duct connection. The welded body, with a height of just 60 mm, ensures high durability and convenient installation in confined spaces.
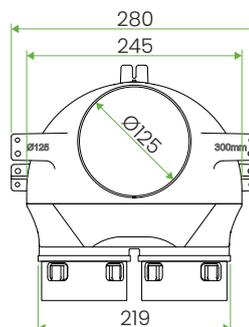
Unused inlets can be easily sealed with Ø90 end caps.
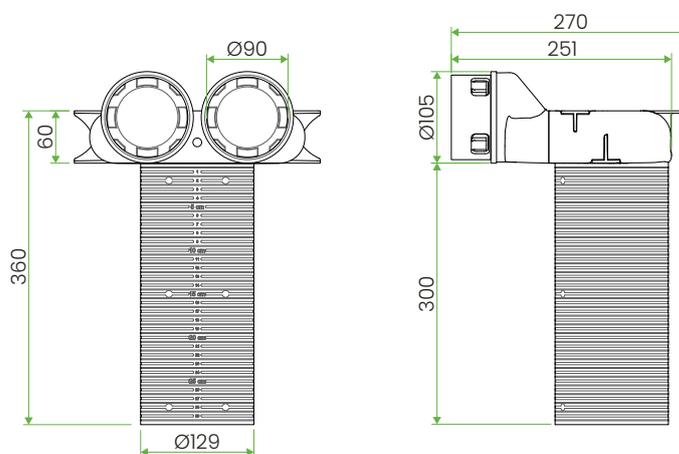
Technical specifications:

- **Material:** Polypropylene (PP)
- **Connector quantity and size:** 2×90 mm
- **Maximum airflow:** 90 m³/h
- **Connection system:** CLIK connectors with integrated gaskets
- **Diffuser spigot diameter:**
    - Socket-type: 125 mm (internal) / 129 mm (external)
    - Nipple-type (for extension): 125 mm (external)
- **Spigot length:**
    - Long-socket: 300 mm
    - Short-socket: 40 mm
    - Nipple: 40 mm
- **Installation:** Floor or ceiling (depending on the variant)
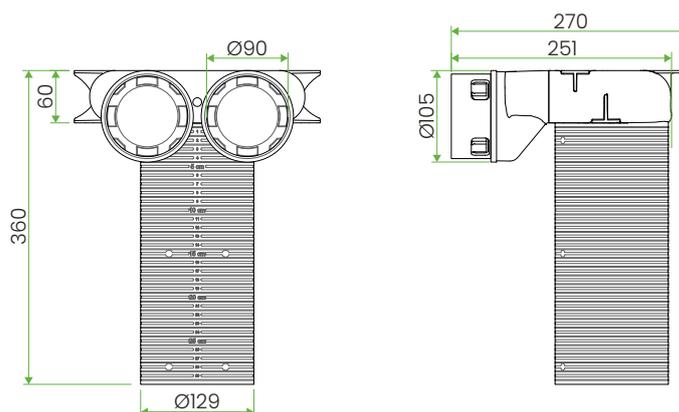
Dimensions:

Long-socket variant
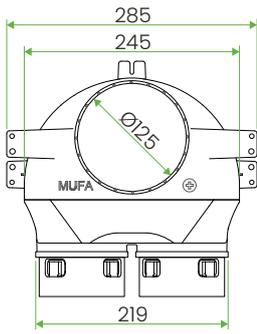for direct installation of a Ø125 air diffuser

floor-mounted version
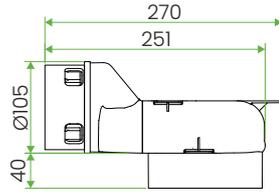

ceiling-mounted version

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Dimensions (cont.):

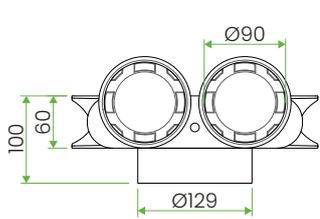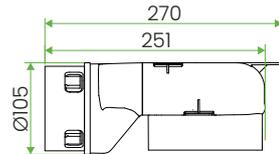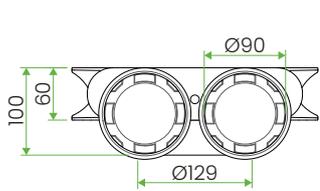## Short-socket variant
for direct installation of a Ø125 air diffuser
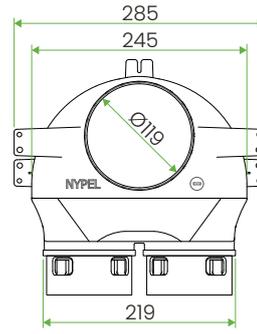

floor-mounted version
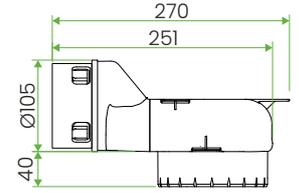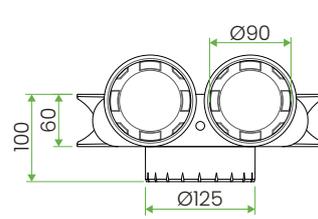

ceiling-mounted version

Nipple variant
for extension

floor-mounted version

ceiling-mounted version

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