



Description:

PEFLEX PP 5x50 plenum boxes are designed to connect five $\varnothing 50$ mm ducts to a $\varnothing 125$ 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.

They are available in a universal version for floor and ceiling mounting, with long socket, short socket, and nipple extension variants. The long socket version features a 30 cm long 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.

Thanks to its ultra-low profile body height of just 60 mm, the box is ideal for buildings with limited floor insulation depth (50–60 mm). The $\varnothing 50$ mm connectors, featuring integrated gaskets and the CLICK system, guarantee a fast and airtight duct connection, while the welded construction ensures high durability.

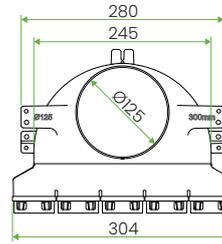
Unused inlets can be easily sealed with $\varnothing 50$ end caps.

Technical Specifications:

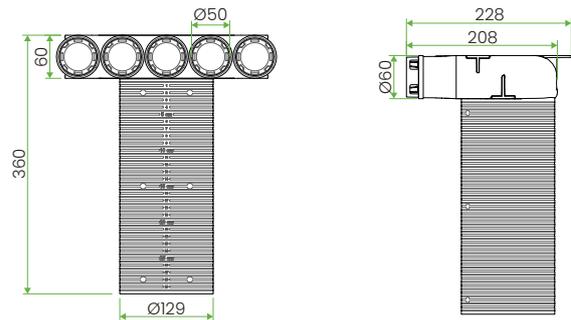
- **Material:** Polypropylene (PP)
- **Connector quantity and size:** 5x50 mm
- **Maximum airflow:** 60 m³/h
- **Connection system:** CLIK connectors with integrated gaskets
- **Diffuser spigot diameter:**
 - Socket-type: 125 mm (internal) / 129 mm (external)
 - Nipple-type (for extension): 125 mm (external)
- **Spigot length:**
 - Long-socket: 300 mm
 - Short-socket: 40 mm
 - Nipple: 40 mm
- **Mounting:** Universal – floor and ceiling

Dimensions:

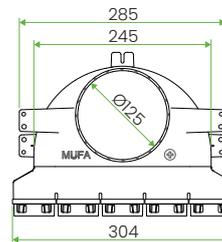
Long-socket variant
for direct installation of a $\varnothing 125$ air diffuser



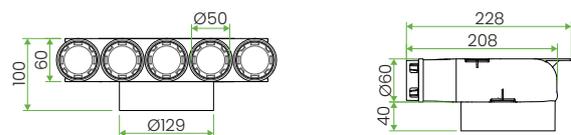
floor-mounted version / ceiling-mounted version



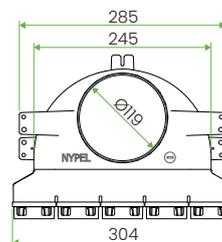
Short-socket variant
for direct installation of a $\varnothing 125$ air diffuser



floor-mounted version / ceiling-mounted version



Nipple variant
for extension



floor-mounted version / ceiling-mounted version

