



AK-UNI-004-ZL-M-L
For square diffuser faces



Square diffuser face with
square plenum box



AK-UNI-016-ZL-M-L
For circular diffuser faces

AK-UNI

SQUARE PLENUM BOX FOR UNIVERSAL CONNECTION OF CEILING DIFFUSERS TYPE VDW, TDV, RFD, FD, TDF, TID, ADLQ, DLQ, ADLR, DLQL

Standard plenum box for supply and extract air for square diffuser faces and for all type TDV, RFD, TID, ADLQ, DLQ, ADLR and DLQL diffusers.

- Plenum box made of galvanised sheet steel
- For all types of ceiling systems
- Horizontal duct connection
- Permanent equalising element that ensures an optimum airflow through the diffuser face (supply air variant)
- For comfort zones and industrial zones

Optional equipment and accessories

- Damper unit for volume flow rate balancing
- Pressure tap and cord-operated damper blade for volume flow rate balancing
- Lip seal

General information



Application

- Plenum boxes for the connection of square and to some extent circular diffuser faces to circular ducts, suitable for supply air or extract air applications
- For diffuser faces of types VDW, TDV, RFD, FD, TDF, TID, ADLQ, DLQ, ADLR, DLQL, with central screw fixing
- For variable and constant volume flows

Special features

- Plenum box made of galvanised sheet steel
- For all types of ceiling systems
- For square and to some extent circular diffuser faces
- Horizontal duct connection
- For comfort zones and industrial zones

Variants

- AK-Uni-...-ZL: Supply air
- AK-Uni-...-AL: Extract air

Parts and characteristics

- Casing with spigot and cross bar for fixing the diffuser face
- Permanent equalising element that ensures a uniform airflow through the diffuser face (supply air variant)
- Simple installation of the diffuser face due to central fixing screw with decorative cap

Attachments

- M: Damper element for volume flow rate balancing
- MN: Pressure tap and cord-operated damper blade for volume flow rate balancing with the diffuser face in place

Accessories

- Lip seal

Construction features

- Spigot suitable for circular ducts to EN 1506 or EN 13180
- Spigot with groove for lip seal (if accessory lip seal has been ordered)

Materials and surfaces

- Casing, cross bar and spigot made of galvanised sheet steel
- Equalising element made of galvanised, perforated sheet steel
- Lip seal made of Evoprene

Maintenance

- Low-maintenance as construction and materials are not subject to wear
- Inspection and cleaning to VDI 6022

Description



Parts and characteristics

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- Permanent equalising element that ensures a uniform airflow through the diffuser face (supply air variant)
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Accessories

- Lip seal

Construction features

- Spigot suitable for circular ducts to EN 1506 or EN 13180
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Variants

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