



**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

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### 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

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#### Parts and characteristics

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- 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

#### 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)

#### Variants

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