



FLEXTRO-R-Z



FLEXTRO WITH SQUARE  
DIFFUSER FACE



FLEXTRO WITH CIRCULAR  
DIFFUSER FACE

## FLEXTRO

### FLEXIBLE PLENUM BOXES REQUIRING LESS TRANSPORT AND STORAGE SPACE

Flexible plenum boxes for supply air and extract air

- For circular and square diffuser faces
- Plenum box made of plastic and galvanised sheet steel
- For supply and extract air
- For all types of ceiling systems
- Horizontal duct connection
- Equalising element that ensures a uniform airflow through the diffuser face (supply air variant)
- With acoustically optimised and lockable damper blade
- Spigot with double lip seal
- Up to 50 % less weight
- Approximately 60 % less transport and storage space required
- For comfort zones and industrial zones

## Application



### Application

- Type FLEXTRO flexible plenum boxes for the connection of circular and square diffuser faces to circular ducts, suitable for supply air or extract air applications in comfort and industrial zones
- For certain nominal sizes of Type AIRNAMIC, VDW, TDV, FD, TDF, ADLQ or DLQ diffuser faces with central screw fixing
- Less transport and storage space required
- For variable and constant volume flows
- For all types of ceiling systems

### Special characteristics

- Plenum box made of plastic and galvanised sheet steel
- For all types of ceiling systems
- For circular and square diffuser faces
- Easy to transport; easy and quick to erect for installation
- Newly developed equalising element that ensures a uniform airflow through the diffuser face
- Acoustically optimised damper blade for volume flow rate balancing, can be set in 15° intervals between 0 and 90°
- Up to 50 % less weight
- Approximately 60 % less transport and storage space required

### Nominal sizes

- Q: 600
- R: 400, 600

## Description

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### Variants

- FLEXTRO-R: Plenum box for circular diffuser faces
- FLEXTRO-Q: Plenum box for square diffuser faces
- FLEXTRO\*-Z: Supply air
- FLEXTRO\*-A: Extract air

### Parts and characteristics

- Flexible fold-up casing for aerodynamic air patterns
- Spigot with double lip seal
- Damper blade for volume flow rate balancing, can be set in 15° intervals between 0 and 90°
- Equalising element that ensures the best possible airflow through the diffuser face (supply air)
- Cross bar for fixing the diffuser face
- Metal angled support rod, with interlock, to erect the plenum box
- Frame with suspension lugs

### Construction features

- Spigot suitable for circular ducts to EN 1506 or EN 13180
- Spigot with double lip seal

### Materials and surfaces

- Frame made of galvanised sheet steel
- Linkage and cross bar made of galvanised steel
- Spigot, spigot mounting plate and damper blade made of ABS plastic, UL 94, V-0, flame retardant
- Flexible walls of the plenum box are made of polyester fabric, to DIN 4102, fire rating class B1
- Equalising element made of synthetic fibre

### Maintenance

- Maintenance-free as construction and materials are not subject to wear
- Inspection and cleaning to VDI 6022