TROX® TECHNIK
The art of handling air

ADT

FOR FOUR-WAY HORIZONTAL SUPPLY AIR DISCHARGE, WITH FIXED AIR CONTROL BLADES - ALUMINIUM DIFFUSER FACE

Square ceiling diffusers

- Nominal sizes 150, 225, 300, 375, 450, 525, 600 mm
- Volume flow rate range 25 - 681 l/s or 90 - 2450 m^3/h
- Square diffuser face
- Diffuser face made of aluminium with powder-coat finish
- For supply and extract air
- For variable and constant volume flows
- For all types of ceiling systems
- High induction results in a rapid reduction of temperature differences and airflow velocities

Optional equipment and accessories

- Exposed diffuser face available in RAL CLASSIC colours
- Horizontal or vertical duct connection
- Blanking plates for adjusting the discharge direction
- Plenum box with cord-operated damper blade and pressure tap

Application

Application

- Type ADT ceiling diffusers are used as supply air or extract air diffusers for comfort zones
- Attractive design element for building owners and architects with demanding aesthetic requirements
- Horizontal 1, 2, 3, or 4 way supply air discharge for mixed flow ventilation
- High induction results in a rapid reduction of temperature differences and airflow velocities (supply air variant)
- For variable and constant volume flows
- For supply air to room air temperature differences from -10 to +10K
- For room heights up to 4m (lower edge of suspended ceiling)
- For all types of ceiling system

Special Characteristics

- Horizontal 1, 2, 3, or 4 way supply air discharge
- Diffuser face made of aluminium
- For all types of ceiling systems
- Horizontal or vertical duct connection

Nominal Sizes

- 150, 225, 300, 375, 450, 525, 600 mm

DESCRIPTION

Variant

- Square diffuser face

Connection

- A: Diffuser face only
- AG: Diffuser face with opposed blade volume control damper

Parts and Characteristics

- Square diffuser face with fixed air control blades
- Diffuser front frame
- Simple installation of the diffuser face due to clip fix plenum

Accessories

- Plenum box with horizontal or vertical connection
- Return air baffle

Construction Features

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

Materials and surfaces

- Diffuser face made of extruded aluminium sections
- Plenum box made of galvanised sheet steel
- Attachments powder-coated RAL 9005, black
- P3: Border and blades powder coated, RAL9010:20%
- P6: Powder coated, RAL CLASSIC colour. Gloss level: 30%

Standards and guidelines

- Sound power level of the air-regenerated noise measured according to EN ISO 5135

Maintenance

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