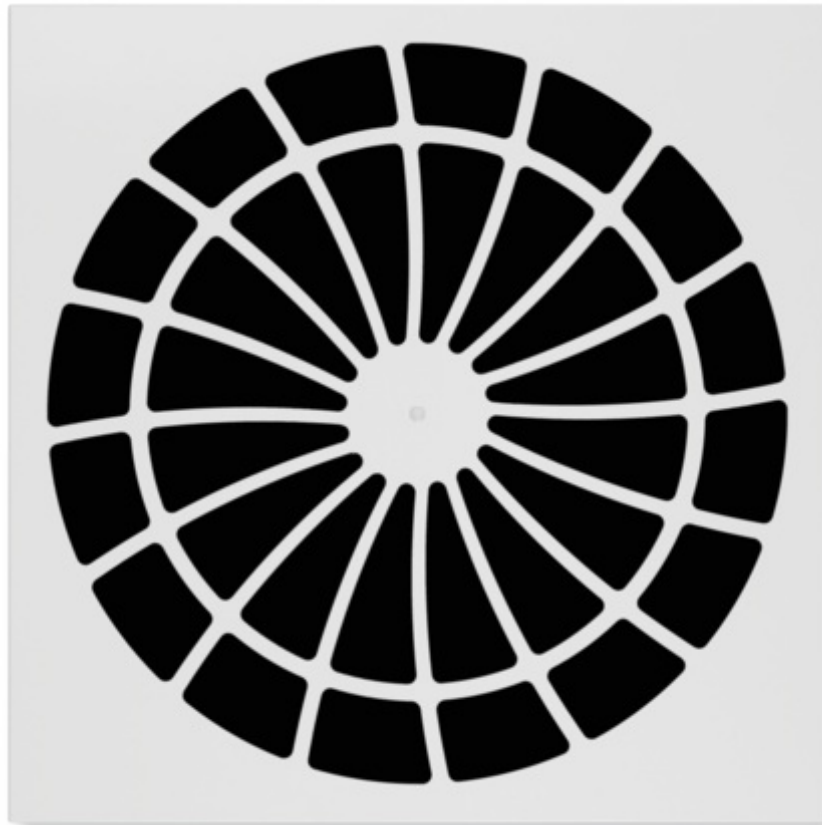


Type ADD



FOR THE CREATIVE DESIGN OF CEILINGS IN COMFORT ZONES, WITH FIXED AIR CONTROL BLADES

Circular and square ceiling swirl diffusers

- Nominal sizes 250, 300, 400, 450, 500, 600, 625
- Volume flow rate range 20 – 465 l/s or 72 – 1674 m³/h
- Diffuser face made of galvanised sheet steel, powder-coated
- For supply and extract air
- For variable and constant volume flows
- For all types of ceiling systems, and with an extended border also suitable for freely suspended installation
- Swirl unit inside for the best swirl effect and high induction levels
- Ideal for comfort zones

Optional equipment and accessories

- Exposed diffuser face available in RAL CLASSIC colours
- Horizontal or vertical duct connection

- Plenum box with cord-operated damper blade and pressure tap



Application

- Type ADD ceiling swirl 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 swirling supply air discharge for mixed flow ventilation
- The efficient swirl creates high induction levels, thereby rapidly reducing the temperature difference and airflow velocity (supply air variant)
- For variable and constant volume flows
- For supply air to room air temperature differences from -12 to $+10$ K
- For room heights up to 4 m (lower edge of suspended ceiling)
- For all types of ceiling systems

Special characteristics

- For the creative design of ceilings in comfort zones
- Diffuser faces in many different designs
- For all types of ceiling systems, and with an extended border also suitable for freely suspended installation
- Horizontal or vertical duct connection

Nominal sizes

- 250, 300, 400, 450, 500, 600, 625

Variants

- ADD-Q: Square diffuser face
- ADD-R: Circular diffuser face
- ADD-*-Z: Supply air
- ADD-*-A: Extract air

Connection

- H: Horizontal duct connection
- V: Vertical duct connection

Parts and characteristics

- Circular or square design diffuser face
- Swirl unit and discharge nozzle for ideal horizontal supply air discharge
- Plenum box with suspension holes and equalising element that ensures a uniform airflow through the diffuser face
- Simple installation of the diffuser face due to central fixing screw with decorative

cap

Attachments

- M: Damper blade 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

- Diffuser face, swirl unit, plenum box and cross bar made of galvanised sheet steel
- Discharge nozzle made of aluminium
- Lip seal made of rubber
- Swirl unit and discharge nozzle dip coated RAL 9005, jet black
- Diffuser face powder-coated RAL 9010, pure white
- P1: Powder-coated, RAL CLASSIC colour

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

TECHNICAL INFORMATION

Function, Technical data, Quick sizing, Specification text, Order code

Variants, Dimensions and weight, Product details

Installation examples, Installation details, Commissioning, Basic information and nomenclature

TROX UK Ltd



Caxton Way,
Thetford, Norfolk, IP24 3SQ, UK
Tel: +44 (0) 1842 754545
Fax: +44 (0) 1842 763051

General Enquiries –
info@troxuk.co.uk
Sales & Customer Services –
sales@troxuk.co.uk
Accounts –
accounts@troxuk.co.uk

Online-Services

- › [TROX Academy](#)

- › [Your contact partner](#)

- › [Our Office London](#)

- › [Our Office Thetford](#)

Service-Hotlines

Sales:
+44 (0)1842 754545

[Contact](#)

Service:
+44 (0)1842 754545

[Contact](#)

Technical service
+44 (0)1842 754545

[Contact](#)