

Type AIRNAMIC



FOR THE MOST DEMANDING REQUIREMENTS OF TECHNICAL FUNCTION, COMFORT, AND DESIGN

Circular and square ceiling swirl diffusers with fixed air control blades, for high volume flow rates at low sound power levels and low differential pressure due to innovative polymer technology

- Nominal sizes 300, 400, 600, 625
- Volume flow rate range 13 – 385 l/s or 47 – 1386 m³/h
- Plastic diffuser face with overlapping, three-dimensionally profiled blades, for the most efficient swirl and high induction
- 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
- Diffuser face with gently sloped, flat border – only 3 mm high
- Plenum box with acoustically optimised and lockable damper blade
- Ideal for comfort zones

Optional equipment and accessories

- Exposed diffuser face available in RAL CLASSIC colours



Application

- Type AIRNAMIC 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
- With an extended border also suitable for freely suspended installation (supply air variant)

Special characteristics

- Plastic diffuser face with overlapping, three-dimensionally profiled blades, for the most efficient swirl and high induction
- For all types of ceiling systems, and with an extended border also suitable for freely suspended installation
- Diffuser face with gently sloped, flat border – only 3 mm high
- Plenum box for supply air, with an optimised equalising element that ensures a uniform airflow through the diffuser face

Nominal sizes

- Q: 300L, 300H, 600, 625
- R: 400L, 400H, 600

Variants

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

Connection

- Horizontal duct connection

Parts and characteristics

- Square or circular diffuser face, made of plastic, with three-dimensionally profiled blades
- Damper blade for volume flow rate balancing, can be set in 15° intervals between 0 and 90°
- Spigot with double lip seal
- Simple installation of the diffuser face due to central fixing screw with decorative cap

Construction features

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

Materials and surfaces

- Diffuser face, spigot and damper blade made of ABS plastic, UL 94, V-0, flame retardant
- Plenum box and cross bar made of galvanised sheet steel
- X: Plenum box made of plastic and galvanised sheet steel
- Equalising element made of synthetic fibre
- Double lip seal made of rubber
- Diffuser face coated RAL 9010, pure white
- P1: 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

TEKNISK INFORMATION

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

Variants, Dimensions and weight, Product details v

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

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