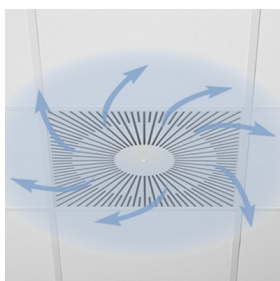
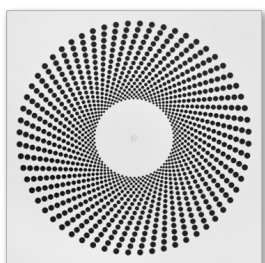
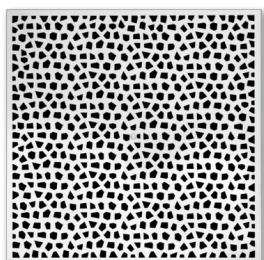
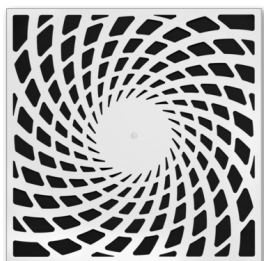


XARTO-R1



XARTO

FOR MORE REFINED COMFORT ZONES WITH SPECIAL

DEMANDS ON ARCHITECTURE AND DESIGN, WITH FIXED AIR CONTROL BLADES

Circular and square ceiling swirl diffusers for high volume flow rates at low sound power levels and low differential pressure

- Nominal sizes 600, 625
- Volume flow rate range 31 – 265 l/s or 110 – 954 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
- 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



Application

- Type XARTO 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

- For the most demanding requirements of technical function, comfort, and design
- Diffuser face in many different designs
- For all types of ceiling systems, and with an extended border also suitable for freely suspended installation
- Horizontal duct connection

Nominal sizes

- 600, 625
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Description



Variants

- XARTO-Q*: Square diffuser face, square face style
- XARTO-R*: Square diffuser face, circular face style
- XARTO-C*: Circular diffuser face, circular face style
- XARTO-**-Z: Supply air
- XARTO-**-A: Extract air

Parts and characteristics

- Square or circular diffuser face with square or circular face style
- Swirl unit with fixed air control blades
- Plenum box with an optimised equalising element that ensures a uniform airflow through the diffuser face
- 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, plenum box and cross bar made of galvanised sheet steel
- Swirl unit, spigot and damper blade made of ABS plastic, UL 94, V-0, flame retardant
- Equalising element made of synthetic fibre
- Double lip seal made of rubber
- 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
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