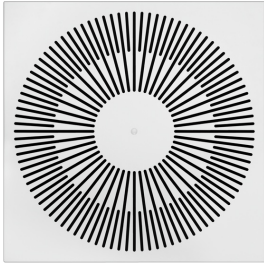
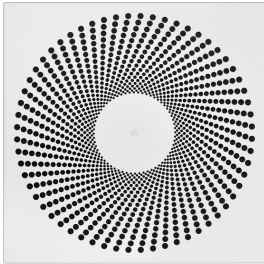


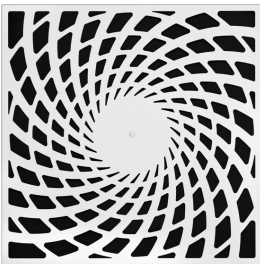
SQUARE FACE STYLE
(VARIANT)



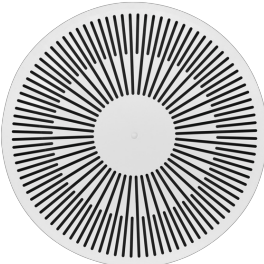
XARTO-R1



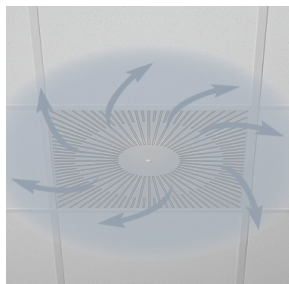
SQUARE DIFFUSER FACE
WITH CIRCULAR FACE
STYLE



SQUARE DIFFUSER FACE
WITH SQUARE FACE
STYLE



CIRCULAR DIFFUSER
FACE



HORIZONTAL SWIRLING
AIR DISCHARGE

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

- 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 – +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 features

- High induction results in a rapid reduction of the supply air to room air temperature difference and airflow velocity
- Separation of function and design. Various diffuser faces can be combined with a swirl element behind them
- For highest demands in design, even customer or project-specific designs are possible
- For all types of ceiling systems, and with an extended border also suitable for freely suspended installation

Nominal sizes

- 600, 625

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

Construction features

- Spigot suitable for circular ducts to EN 1506 or EN 13180
- Circular plenum boxes with horizontal spigot for nominal sizes 250, 400L, 400H and 600
- Spigot made of black ABS
- Spigots are fitted with a groove for a lip seal
- Retrofitting of the lip seal is possible at a later stage
- Damper blade and lip seal (optional) are factory fitted
- Plenum box for supply air, with an optimised equalising element that ensures a uniform airflow through the diffuser face
- Simple installation of the diffuser face due to central fixing screw with cap
- Damper blade and lip seal (optional) are factory fitted
- Simple installation of the diffuser face due to central fixing screw with decorative cap

Materials and surfaces

- Grille face 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 polyester
- Diffuser face 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

- Low maintenance as construction and materials are not subject to wear
- Inspection and cleaning to VDI 6022