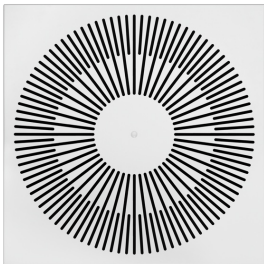
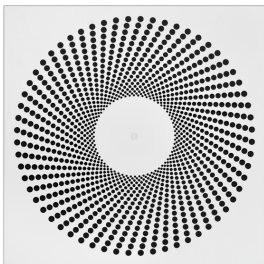


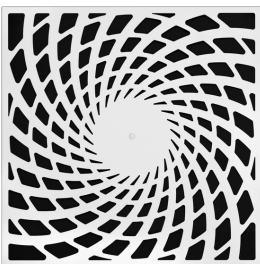
SQUARE FACE STYLE
(VARIANT)



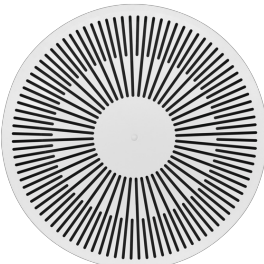
XARTO-R1



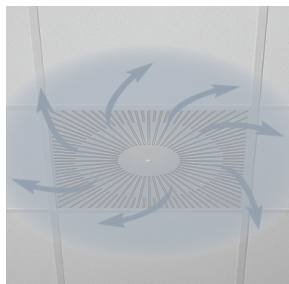
SQUARE DIFFUSER FACE
WITH CIRCULAR FACE
STYLE



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

General information



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 fixingscrew 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