

SWIRL OUTLET FOR SUPPLY AND EXHAUST AIR

DESCRIPTION

- Round swirl outlet for supply and exhaust air, for flexible use in all interior spaces
- Radially arranged air channel openings and 480 diffuser openings
- For ceiling installation on mineral fibre or metal plate ceilings
- Installation with customer-supplied AKH 09 plenum box from TROX
- Simple installation using main screw included
- Protected design patent, made in Germany
- Made of sheet steel with electrostatic powder coating (RAL colour 9016-20, layer thickness approx. 60 µm)

TECHNICAL DATA

Manufacturer	Tecanno
Type	Vent ROUND
Dimensions ø (mm)	254
Connecting Piece ø (mm)	163
Weight (g)	330
Material	Sheet steel with electrostatic powder coating
Standard RAL colour	9016-20 layer thickness approx. 60 µm
Item No.	1000300-9016-20



TENDER SPECIFICATION

Tecanno round swirl outlet for supply and exhaust air in design-type construction (1000300-9016-20). Radially arranged air channel openings and 480 diffuser openings. For ceiling installation on mineral fibre or metal plate ceilings with customer-supplied AKH 09 plenum box from TROX. Made of sheet steel with electrostatic powder coating (RAL 9016-20). Protected design patent, made in Germany.

Manufacturer: Tecanno

Type: Vent ROUND

Dimensions ø (mm): 254

Item No.: 1000300-9016-20

ORDERING INFORMATION

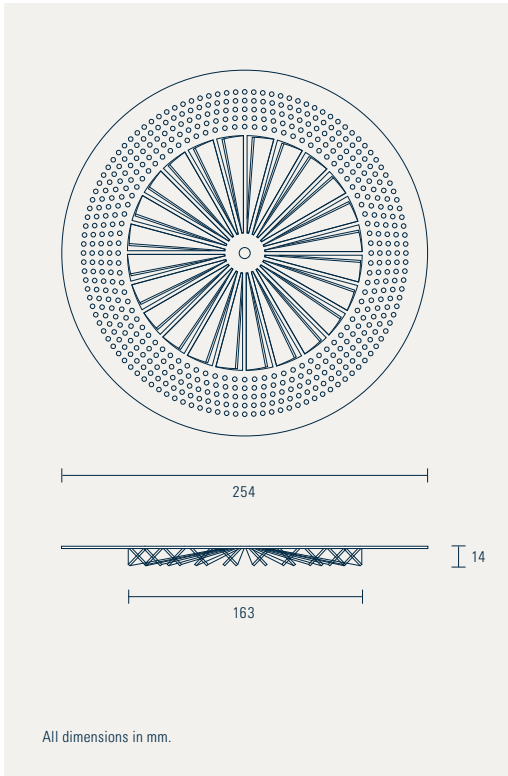
Air vent: Vent ROUND (Item No. 1000300-9016-20)

Vent ROUND is delivered without AKH 09 plenum box from TROX.

→ ACOUSTIC DATA AND PRESSURE REDUCTIONS
VENT ROUND

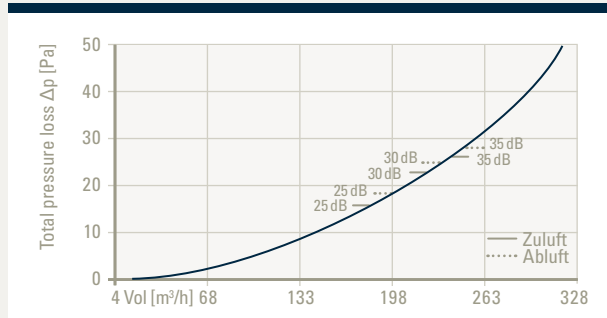
DEFINITIONS

Vol in m³/h: Volume flow rate per air vent
 Δp in Pa: Total pressure loss
 L_{WA} in dB(A): A-weighted sound power level



SOUND POWER LEVEL/PRESSURE REDUCTION

The valve has a freely usable cross-section without volume flow regulation. The curve in the graph below shows the relationship between the volume flow (m³/h) and the total pressure loss (Pa). Sound power level (dB(A)) marked on the graph.



TRAJECTORY LENGTH

The trajectory length $l_{0,2}$ displayed in the diagram indicates the distance between outlet and the point in the air current (Isotherm) at which the speed drops to 0.2 m/s.

Recommended installation for supply air: Ceiling installation: 0.5 m distance from both sides of corner to vent edges. Wall installation: 0.1 m distance from both sides of corner to vent edges. For exhaust air, no minimum distances.

