Displacement air outlet
INDUQUELL

The highest level of thermal comfort for a wide range of applications

Central Library of the German Classical, Weimar
Volkshaus Pegau
Auditorium Thomann, Burgebrach
Comfort under the highest acoustic requirements

With displacement air systems, the supply air is fed into the room at a slow rate and with low turbulence. Displacement air ventilation systems feature low air velocities in the area of operation, and virtually noise-free function of the linear diffusers.

Displacement air flows create, by nature, a rising temperature profile across the height of the room. With displacement air ventilation systems, the supplied fresh air is fed directly to the people in the room, and a high air quality thus arises in the occupied zone.

Displacement air solutions are predominantly designed individually for the building and the operation requirements. Our extensive experience and options mean we can offer you components suited to your user requirements and room geometries.

We design displacement air outlets for your comfort according to the most diverse requirements – for installation in ceilings, walls, rails and bases, in flat or round versions.

For industrial applications, we also offer displacement outlets for heating and cooling, with flat or radial air distribution.

Two design variants are available:

- **INDUQUELL FS and RS** with rectangular air guide elements of type INDULCLIP for flat or round outlets
- **INDUQUELL DIV** with round INDUDRALL air guide elements for ceiling, rail and base installation, with or without decor panel for the air-guiding front plate, for unobtrusive integration of displacement air outlets in rooms.

- A variety of configuration options for creative design
- High thermal comfort through low air velocities and gentle air distribution
- High performance through high temperature difference up to – 8 K

Bespoke solutions for radio and television studios

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A variety of configuration options for creative design
Design and comfort united in creative solutions

**Monument-friendly solutions:**
Installation of INDUDRALL air guide elements in old historically protected wood ceilings as displacement diffuser for room ventilation. Air flow path via ceiling hollow space and airtight ceiling panelling. Design 2.5 m³/h to 4.2 m³/h per element, max. 200 elements/m² of active outlet area, up to 720 m³/hm², depending on the conditions.

**Displacement air ventilation for banquet halls:**
„INDUQUELL DIV“, 1684 x 440 mm arranged both sides of the room, as surface displacement outlet behind aluminium protective grille, ventilation air supply from below from basement, load 1200 m³/h, lower temperature of supply air up to – 8 K (at 26° C ambient temperature).

**Surface displacement outlet for restaurants:**
„INDUQUELL DIV“ with decor plate panel. H x W = 3000 x 1000 mm, consists of 6 individual front plates positioned on ventilated wall casing. Variable air flow rate up to 1200 m³/h, lower temperature of supply air up to – 6 K (at 26° C ambient temperature).

**Pillar displacement outlet for reception areas:**
„INDUQUELL RS“, round upright, Ø 600 mm, 3.0 m high, consists of two parts, max. 2200 m³/h, lower temperature of supply air up to – 8 K (at 26° C ambient temperature). Connection from above with connection socket Ø 450 mm.

**Base displacement outlet for lecture theatres:**
„INDUQUELL DIV“, without decor plate in two-row version. W x H = 380 mm x 120 mm, 13 air guide elements for 40 m³/h per seat. These outlets are also available in a single-row version with 7 elements for 20 m³/h per seat in W x H = 380 mm x 80 mm, or with 9 elements for 30 m³/h per seat in W x H = 540 mm x 80 mm also with decor plate panel.
Kiefer develops and sells high-quality air diffusers around the world, such as linear diffusers, fan coil systems, chilled ceiling panels and concrete core cooling systems. In close collaboration with the Kiefer engineering plant experiences from planning, implementation, service and maintenance of comfort and industrial air conditioning slips in the development of the components and systems.