

Linear diffuser INDUL



Seit 1877

Kiefer

Luft- und Klimatechnik

Neue Wege mit Luft

Bundeskanzleramt Berlin

With its height of 36 metres, its modern architecture combining light colour and imposing glass facades, the Bundeskanzleramt stands in direct contrast to the neo-baroque Reichstag building opposite. The horizontal division mirrors both function and use, whereas the pillars distributed within the glass facades are principally aesthetic rather than load-bearing structures. The lower floor houses the entire administration while the complete staff and the office of the Federal Chancellor occupy the upper part of the building.



Photo: © Werner Huthmacher

Function linear diffuser INDUL

The supply air is divided into fine individual jets which distribute the supply air into the room at an angle of 45° alternately to the left and to the right. The result is an especially uniform air distribution with an optimal diffuse ambient air flow, and no noticeable draughts.

System advantages

- Completely draught-free air distribution
- Low diffuser widths, from 15 mm
- Unobtrusive installation in ceiling joints
- Temperature differences up to -14 K
- Light, clean ceilings due to fine-jet characteristics
- Simple, quick and clean installation in all ceiling systems
- Special installation kit for plaster ceilings

Building:	Bundeskanzleramt Berlin
Architects:	Axel Schultes Architekten Berlin
Proprietor:	Bundesbaugesellschaft Berlin
Consultant, building services:	Schmidt Reuter Partner Cologne
Linear diffuser system:	INDUL V 20
Type of ceiling:	Plasterboard ceiling
Specific air flow:	70-95 m³/hm

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Festspielhaus, Bregenz



Photo © Bruno Klotz

Planning down to the tiniest detail: After a construction time of only ten months, Landeshauptstadt Bregenz, the proprietor, handed over the new Festspielhaus to the user right on time. With an investment of around 40 million euros, the largest entertainment venue between Munich and Zurich has been generally refurbished and extended. Half the construction costs were invested just in new technical equipment, which will remain substantially invisible, but contributes to giving rooms a feeling of quality.

Following this general refurbishment and extension by the architects Dietrich / Untertrifaller, the Festspielhaus Bregenz, built originally at the end of the seventies, radiates a new splendour and a thoroughly modern ambience. With a new glass facade in place of the previous hermetic concrete walls, it is not just the redesigned entrance area but the entire building which is characterised by transparency and openness: flooded with sunlight during the day, and brightly lit at night. Comprehensive technical improvements in the fields of air-conditioning and ventilation, stage equipment, acoustics, lighting technology, and fire protection ensure brilliance, comfort and energy efficiency. Today the Festspielhaus is numbered among the leading entertainment venues in the German-speaking countries.

Building:	Festspielhaus, Bregenz
Architects:	Architekturbüro Dietrich / Untertrifaller Bregenz
Proprietor:	Landeshauptstadt Bregenz
Consultant team:	18 engineering consultancies Project managed by Christian Freuts
Linear diffuser system:	INDUL linear diffuser Types P15, P18, V45
Type of ceiling:	Plasterboard ceilings

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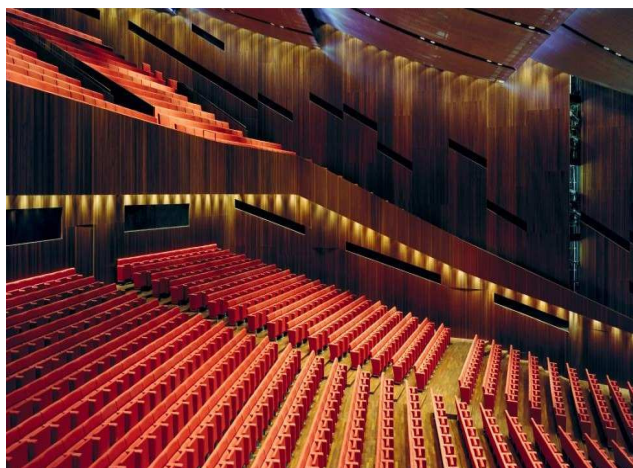


Photo © Bruno Klomfar

Large auditorium with new seating

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The large auditorium in the Festspielhaus has been fitted with new seating, whose rows are arranged as in an amphitheatre, and acacia-wood panelling for a sublime atmosphere and an attractive appearance.

With seating for about 1800, the Festspielhaus Bregenz is one of the largest theatres in Europe. There were improvements too in the stage equipment and in the lighting and sound installations. Extended reverberation times have improved the acoustics.



Linear diffuser INDUL in the Festspielhaus

Photo © Bruno Klomfar

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Museum Frieder Burda, Baden-Baden

For Baden-Baden, the Frieder Burda Stiftung is not just an exceptional collection, but also a splendid museum remarkable for its artistic combination of light and glass. In June 2006 this building, designed by the New York architect Richard Meier and inaugurated in October 2004, was awarded the international "2006 Institute Honor Award for Architecture".



Photos: Museum Frieder Burda Baden-Baden

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Building:	Museum Frieder Burda Baden-Baden
Architects:	Richard Meier New York
Proprietor:	Frieder Burda
Consultant, building services	SEF Ingenieure Karlsruhe
Linear diffuser system:	INDUL P18 / V20/ V45
Type of ceiling:	Plasterboard ceilings and open lamella ceilings
Scope:	1250 m² conditioned area
Specific air flow:	50-130 m³/hm
Scope of order:	610 rm. linear diffusers, Types P18 / V20 / V45

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Carlo Felice Theatre, Genoa

With the construction of the Carlo Felice Theatre in Genoa, the architects Aldo Rossi and Ignazio Gardella of Milan pursued two principal objectives: firstly, the reconstruction of the theatre in precisely the same place as it was originally built by Carlo Barabino on the ruins of an old monastery, and then equipping it with the latest technology. Geometry and modernity are here skilfully combined with local tradition. The entire technical equipment for the theatre is housed in a cubistic stage tower in art-deco style. With its ultra-modern stage equipment and brilliant acoustics, the Carlo Felice Theatre is a highly respected cultural site throughout Europe.



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Building:

**Carlo Felice Theatre
Genoa**

Architects:

**Aldo Rossi + Ignazio Gardella
Milan**

Linear diffuser system: INDUL Type P 18 – 125

Type of ceiling:

Plasterboard ceilings

Specific air flow:

90 m³/hm



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Hotel Sackmann, Baiersbronn



Photo © Hotel Sackmann

The new Wellness Oasis in Romantik Hotel Sackmann in the heart of the Black Forest. Founded in 1927 and now in the hands of the third generation, the feel-good idea dominates here – an inexhaustible variety of aromas for all tastes.

Top chef Jörg Sackmann has fulfilled a wellness dream in his Romantik Hotel in the Black Forest. In cooperation with the world's leading planners in this sector, Schletterer Wellness & Spa Design, and the experienced hotel and wellness architects Vögele, a variety of aromatic thermal baths with a stylish ambiance has been created over an area of 1,000 m² in which the proprietor's culinary leitmotiv is clearly evident. The favoured aromas from Sackmann's culinary arts find expression in the spa area, whether in flower and herb steam baths, the Himalaya salt-stone sauna, or the wine and honey vaporised in the Finnish kelo spruce sauna. Fitness, massage and rest rooms, ayurveda applications and an indoor swimming pool round off your options. Here, it is not a matter of checking in, but of arriving and feeling well cared for in body and soul.

Building:	Hotel Sackmann Baiersbronn
Proprietor:	Hotel Sackmann
Architects:	Architekturbüro Vögele Freudenstadt
Consulting:	Schletterer Wellness & SPA Design Strass, Austria
Planning office:	Planungsbüro Haustechnik Liepelt Baiersbronn
Wellness area:	1000 m²
Type of ceiling:	Plasterboard ceilings
Linear diffuser system:	INDUL linear diffusers Types: P15, P18, V45



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Hotel Sackmann, Baiersbronn



Photo © Hotel Sackmann

Linear diffuser INDUL in Aqua rest room

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Feel-good climate in wellness area

Optimised air-conditioning technology and design are inseparable when it is a question of comfort. An attractive ceiling design and a quiet, space-saving and reliable air-conditioning system need to harmonise with each other. Especially in a wellness area, an optimised air-conditioning system is a prerequisite for guests' well-being. Here everything has to be spot on: comfortable warmth, low ambient air velocities, and the right illumination. Bathing and rest rooms, saunas, massage centres and cooled areas, and, not least, compliance with regional and international standards for use of energy and air-conditioning systems. Here the demands of a hotel and its guests know no limits.

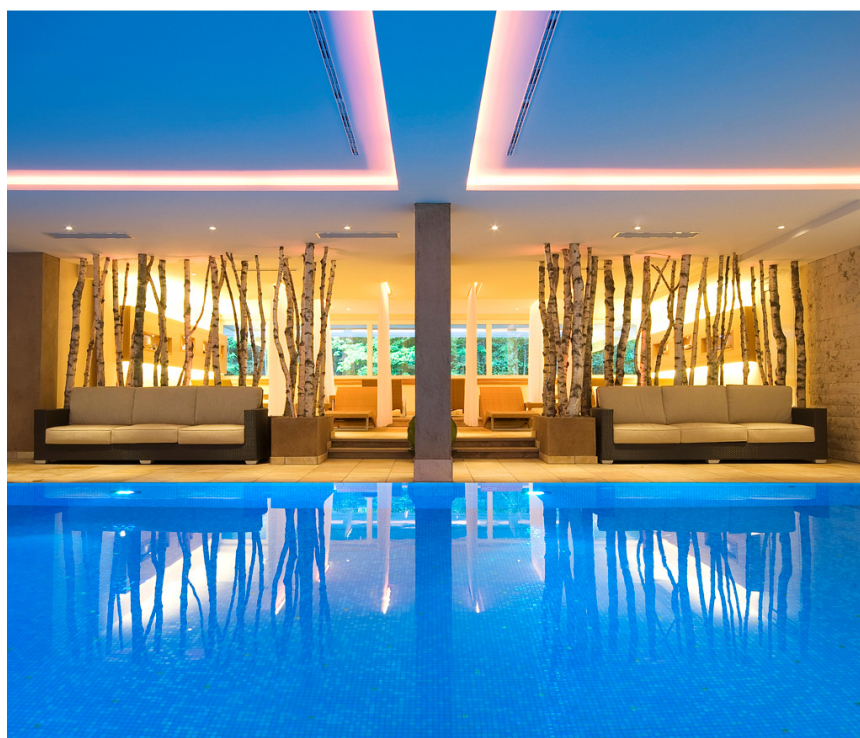


Photo © Hotel Sackmann

Linear diffuser INDUL in the swimming pool area