



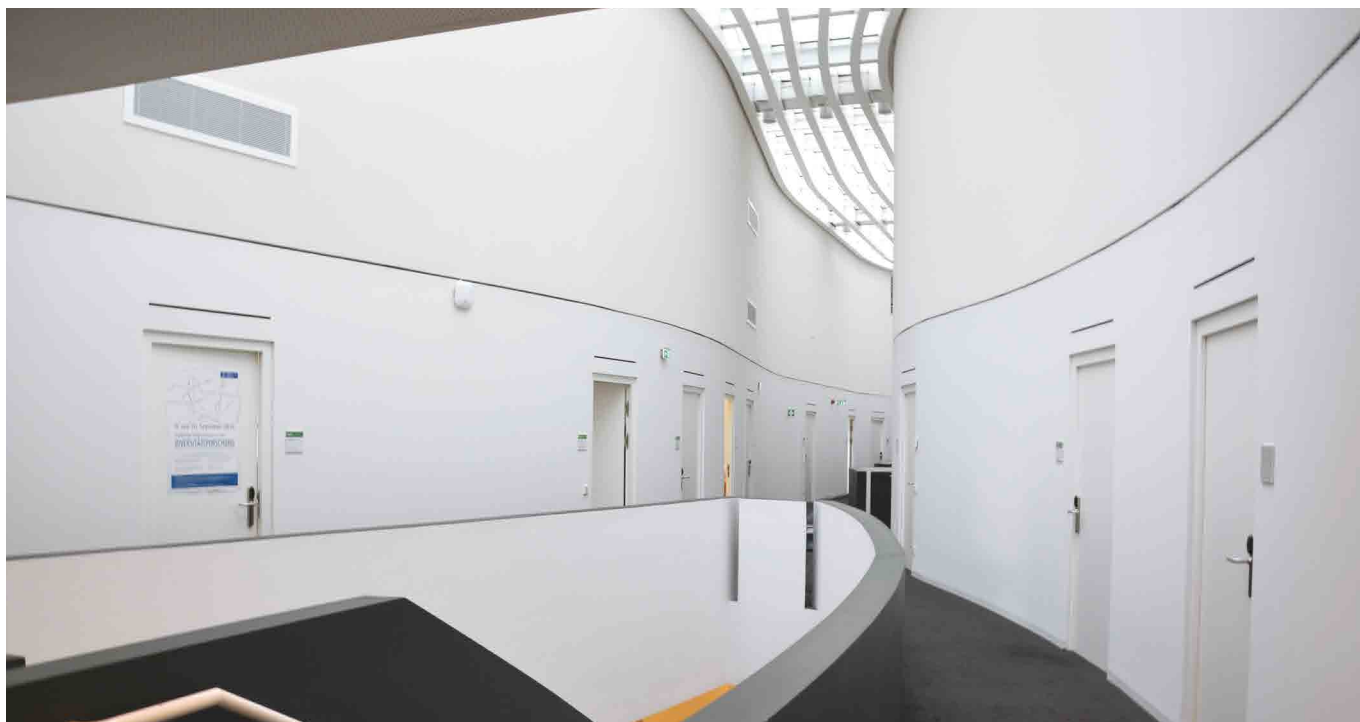
▲ INDUSILENT – FHNW-Campus, MuttENZ. Photo © Campus MuttENZ Zeljko Gataric

TRANSFER GRILLES INDUSILENT



The compact and acoustically highly effective transfer grille for partition wall installation that allows architects and interior designers greater creative freedom. It is available as a slender 20 mm joint or with an attractive decorative cover. The installation can be designed to be almost invisible through the targeted use of architectural elements.





INDUSILENT – Wirtschafts-Universität Wien. Photo © Kiefer GmbH

TRANSFER GRILLES INDUSILENT

Nowadays, in modern buildings with tight building envelopes, sound-absorbing transfer grilles are an intelligent solution for extract air routing.

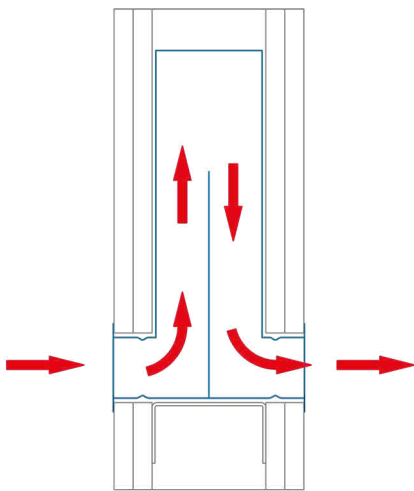
INDUSILENT transfer grilles are absolutely the best choice when:

1. high sound absorption is needed,
2. a low installation height is required and
3. the air outlet slots should have a specific look in keeping with the project.

As a result, they are particularly common in buildings that meet high architectural standards, such as the Swatch headquarters in Biel, Switzerland, and the Vienna University of Economics and Business in Austria.

FUNCTION

The INDUSILENT enables the free transfer of air from room to room. The acoustic weakening of the partition wall as a result of installing the transfer grille is mitigated by the integration of a highly effective inner lining. Taking into account a maximum pressure differential of 10 Pa, specific air flow rates of up to 140 m³/hm are possible.



ENERGY

Low pressure drops



DESIGN

The INDUSILENT is a ventilation element that allows architects and interior designers greater creative freedom. It is available as a slender 20 mm joint or with an attractive decorative cover. The installation can be designed to be almost invisible through the use of specific architectural elements.



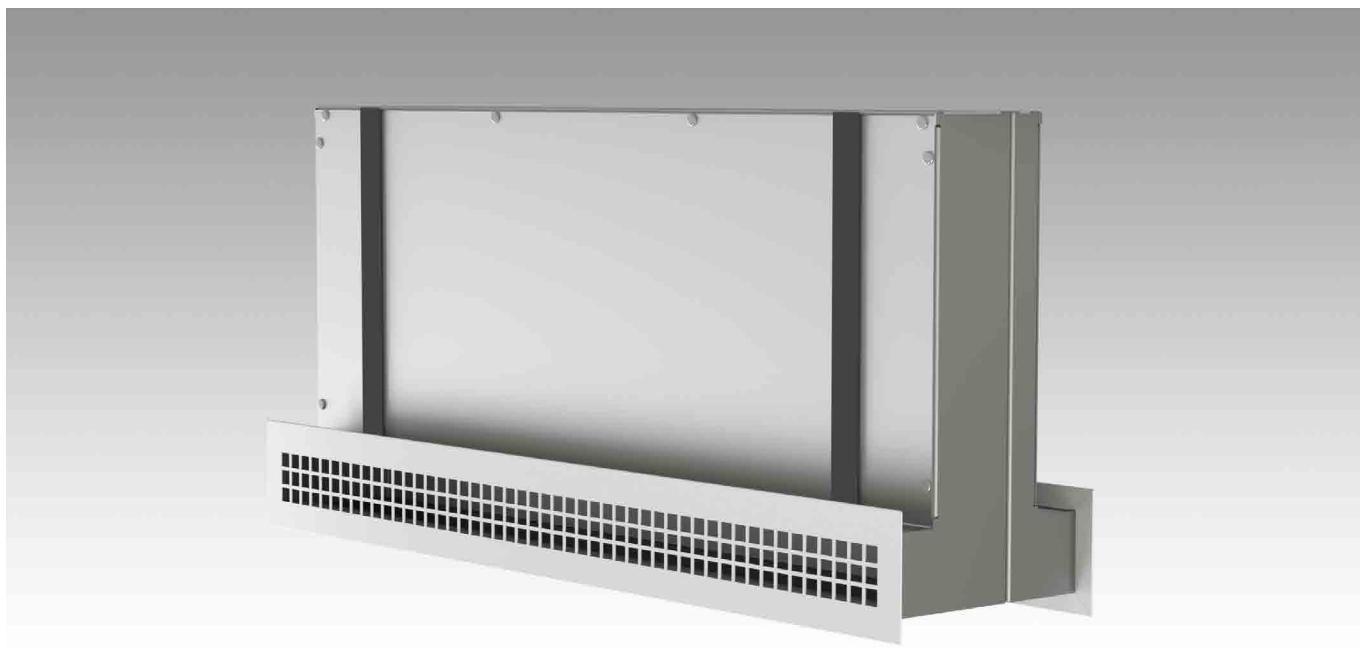
TECHNOLOGY

Standard sound level differential $D_{n,e,w}$ > 50 dB. Building material class A2 according to DIN 4102 (incombustible).

TECHNICAL DATA

Installation length	500, 800, 1000, 1200 mm – standard length on stock special lengths on request
Box height	230 mm or 340 mm (Type T) / 300 mm (Type S)
Air flow rate	Up to 140 m ³ /hm at 10 Pa pressure drop
Sound absorption	High Standard sound level differential, tested by Fraunhofer Institute
Wall thickness	From 58 mm (Type TS)
Building material class according to DIN 4102	A2 (incombustible), fibre-free in the air stream

Further information can be found on www.kieferklima.de/en/indusilent



INSTALLATION SITUATION INDUSILENT

The transfer grille is mounted during the construction of the dry wall between the wall partition pieces. After completing dry construction wall and paintwork the dust protection must be removed from the air slots. Type TG / SG is fitted with a deco-frame on both sides. Optionally, the connection to the plasterboard wall can be concealed

behind a cover frame. Type TS is intended for installation in system partition walls. In this case, a corresponding joint has to be provided in the planking. For adaptation to other wall thicknesses, an attachable neck extension is optionally available for the types TR, TG, SR, SG.

INDUSILENT TYPES



INDUSILENT Type TR

For double skin partition wall
starting from 125 mm wall thickness
Type TR with deco-frame in RAL standard colours
Installation height 230 and 340 mm



INDUSILENT Type TG

For double skin partition wall
starting from 125 mm wall thickness
Opening remains as a shadow gap, with cover frame option
Installation height 230 and 340 mm



INDUSILENT Type SR

For double skin partition wall
starting from 100 mm wall thickness
Type SR with deco-frame in RAL standard colours
Installation height 300 mm



INDUSILENT Type SG

For double skin partition wall
starting from 100 mm wall thickness
Opening remains as a shadow gap, with cover frame option
Installation height 300 mm



INDUSILENT Type TS

Slimline design for installation in system partition walls
There has to be an appropriate joint in the panelling.
Installation height 230 and 340 mm



Photo © Kiefer GmbH

VIENNA UNIVERSITY OF ECONOMICS AND BUSINESS

PROPRIETOR VIENNA UNIVERSITY OF ECONOMICS AND BUSINESS, Vienna. AT
ARCHITECTS Atelier Hitoshi Abe, JP
PLANNING OFFICE KWI Engineers GmbH, Vienna. AT



Photo © Werner Huthmacher

PIK - POTSDAM-INSTITUTE FOR CLIMATE IMPACT RESEARCH

PROPRIETOR Potsdam-Institut für Klimafolgenforschung e.V.
ARCHITECTS BHBVT, Berlin
PLANNING OFFICE Ingenieurgesellschaft W33, Berlin



Photo © Swatch

SWATCH-HEADQUARTERS, BIEL

PROPRIETOR Swatch Group AG, Biel. CH
ARCHITECTS Shigeru Ban, Tokyo. JP



Photo © Zeljko Gataric

UNIVERSITY OF APPLIED SCIENCES AND ARTS NORTHWESTERN MUTTENZ

PROPRIETOR Hochbauamt Basel-Landschaft, Fachhochschule Nordwestschweiz. CH
ARCHITECTS pool Architects, Zurich. CH
PLANNING OFFICE Kalt + Halbeisen Ingenieurbüro AG, Kleindöttingen. CH



www.kieferklima.de/en

Kiefer Klimatechnik GmbH
Heilbronner Straße 380 - 388
70469 Stuttgart

phone: +49 711 81 09-0
email: info@kieferklima.de

 **Kiefer**
Klimatechnik

