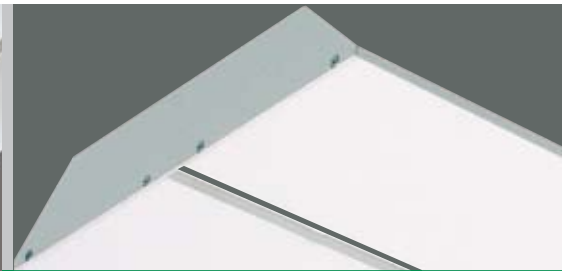




CONVENIENT



QUIET



AESTHETIC

The ALPETY Ceiling Cooling System

Highly versatile



Air outlets

Air-water systems

Ventilation grille

Fire protection

Noise absorption

Master control system

Living room ventilation

Shut-off devices

Regulation equipment

Filter diffusers

Laboratory ventilation systems



ALPETY

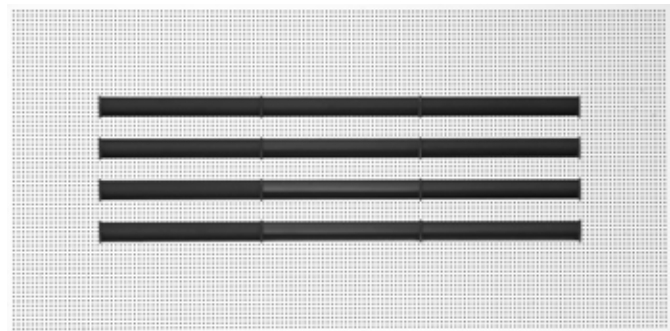
The ALPETY-SKS Ceiling Cooling System

This versatile system can be integrated into the design concept for any room.

- Because it can be used to activate either metal or plaster-board ceiling panels, the architect is free to select the ceiling of his choice.
- A cooling effect of up to 90 W/m^2 can be obtained with a closed ceiling and up to 125 W/m^2 using the cooling sail model. This makes it possible to adjust the cooling effect to the required level, thereby reducing energy consumption and slashing the user's running costs.
- The absolutely draught-free cooling delivered by the system, plus uniform room temperature distribution and cool surface temperatures combine to ensure a high level of user comfort and satisfaction. This enhances employee performance.



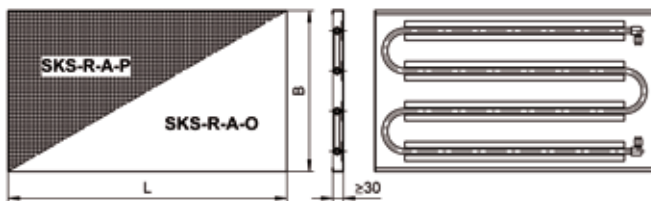
Alpety-SKS



Alpety-SKS with DBB

Alpety-SKS Ceiling Panel

Cooling up to 90 W/m^2 in accordance with DIN 4715



Schweizer Electronic AG, Schramberg

ALPETY

The ALPETY-FKL/HKL Ceiling Cooling System

The Alpety Louvred Ceiling Cooling System is available in a wide range of panel designs offering the architect a high degree of design freedom

Alpety-FKL

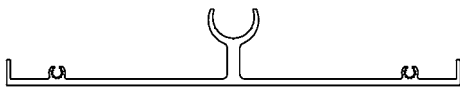
Cooling effect calculated in accordance with DIN 14 240:

- 80 W/m² with closed ceiling
- approx. 110 W/m² with cooling sail

louvre width 134 mm / space between louvres 150 mm



louvre width 180 mm / space between louvres 200 mm



Alpety-HKL

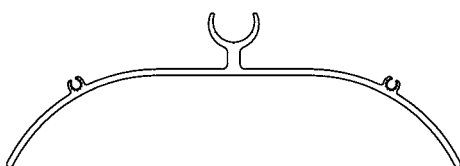
Cooling effect calculated in accordance with DIN 14 240:

- Approx. 90 W/m² with closed ceiling
- 120 W/m² with cooling sail

louvre width 134 mm / space between louvres 150 mm



louvre width 180 mm / space between louvres 200 mm



Alpety-FKL



Alpety-HKL



seemaxx, Radolfzell

ALPEITY

Ongoing support from planning stage to acceptance of installation

SCHAKO offers the following services with its Alpeity Ceiling Cooling System:

Planning

- SCHAKO provides support in design of the right system for the specific building during the planning phase.
- Advice on design and performance features of the SKS, FKL, HKL versions.
- Calculation of a ceiling-mounted system's cooling/heating output.
- Calculation of pressure loss in ceiling cooling elements.
- Calculation of ceiling level with and without activated ceiling elements.
- Specification of apertures in ceiling panels for lighting installations, smoke detectors, sprinkler heads, air exhaust ducts etc.
- Specification of number of removable ceiling elements required for inspection purposes and repair work.
- Specification of substructure.
- Advice on and specification of control installations and valves.

Installation

- Installation of substructure using laser technology.
- Installation of activated and inactivated ceiling elements.
- Installation of accessories, e.g. air exhaust ducts, smoke detectors, and acoustic mats in ceiling panels.
- Cutting of recesses for lighting installations, sprinklers etc.
- Connection of hydraulics of activated ceiling elements to the hydraulics network installed by the building contractor and connection of ceiling cooling elements to water circulation.

Formal acceptance

- Documentation of ceiling cooling elements, substructure and accessories installed.
- Support in drafting of maintenance documentation.
- Thermal records for report on functional performance of ceiling cooling system.

