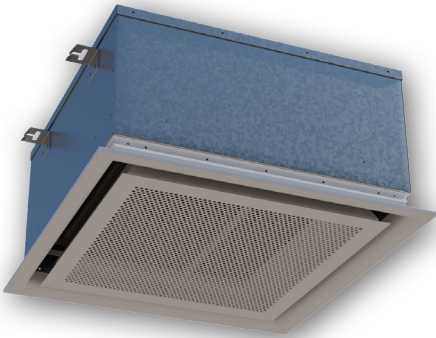


Pure competence in air.

SCHAKO 



UKGW

The SCHAKO UKGW convector is an air-circulation cassette unit which combines the highest comfort standards with maximum performance and design.

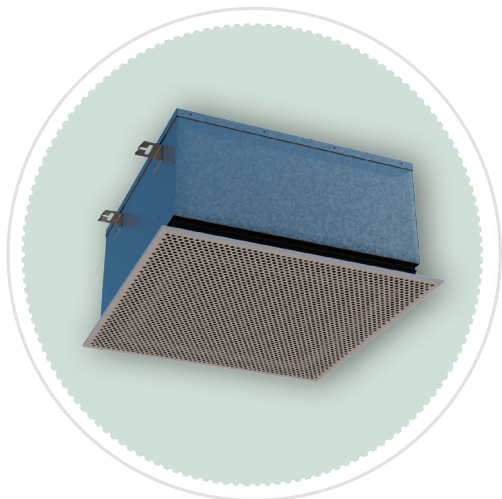
Technical features

- The SCHAKO UKGW is a compact, cassette-style, water-based air-circulation climate-control unit.
- It combines the highest standards in design and performance with maximum comfort in the occupied area.
- The UKGW is used for the decentralised cooling and heating of rooms with high thermal loads.
- Thanks to its flat design, the unit is suitable for installation in suspended ceilings and ceiling grids and for visible suspended installation.

Available sizes

Design size		Height (mm)	System	System
L (mm)	W (mm)			
600	600	300	2-pipe	Cooling or heating
600	600	300	4-pipe	Cooling and heating
820	820	300	2-pipe	Cooling or heating
820	820	300	4-pipe	Cooling and heating

Technical changes reserved.



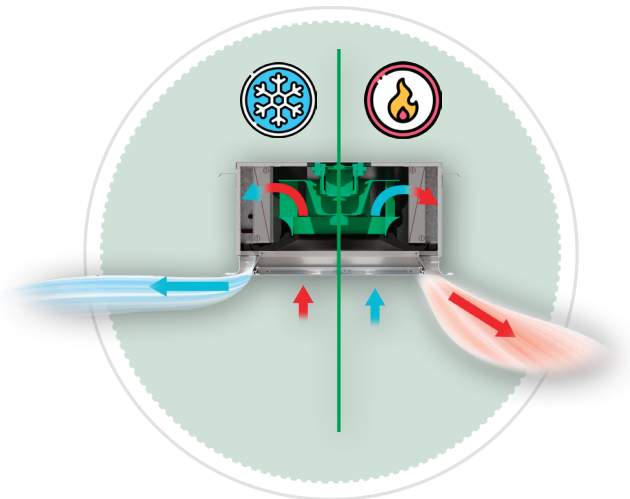
Areas of application

The air-circulation convector for maximum performance

Thanks to its design, the SCHAKO UKGW is suitable for nearly every application where high thermal performance in combination with design and a high level of comfort play a major role. This can be in office and conference rooms, restaurants, sales and exhibition rooms and hotels.

Accessories

- DESIGNER faceplates
- Secondary air filter
- Pre-mounted valves and actuators for hydraulic regulation
- Actuators and room controller for connection to the building control system
- Condensate pump



Function

Cooling and heating of room air in air-circulation mode

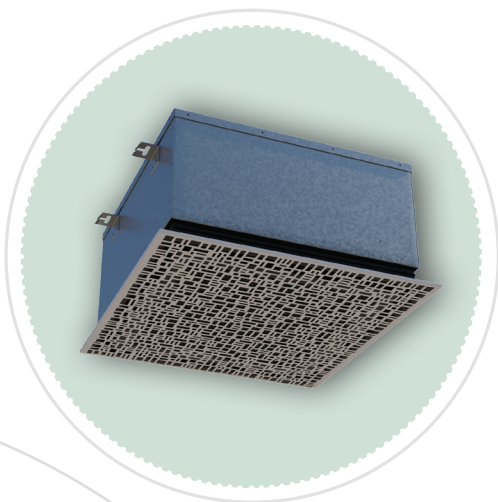
Thanks to the EC fan integrated in the unit, room air is drawn in and conditioned by the integrated air-water heat exchanger so it can then be fed to the room via the air outlet opening. Thanks to its specific design, the air jet is oriented along the ceiling when cooling and uses the Coanda effect. When heating, the air jet enters the room downward at an angle thanks to an internal switch. In the case of suspended installation, a horizontal air jet is created by broadening the flow section.

Benefits

- High thermal performance with a smaller height and space requirement
- High-efficiency EC fan with continuous 0–10 V regulation
- Easy access to all maintenance-related groups from the room side
- DESIGNER faceplates for integration into high-class rooms
- Low acoustic emissions
- Minimal plastic used thanks to metal faceplate

Performance values

Design size: 600 x 600 mm			
L_{WA}	35 dB(A)	45 dB(A)	Maximum
Cooling	2.2 kW	4.0 kW	6.3 kW
Heating	4.1 kW	7.8 kW	13.3 kW
Design size: 820 x 820 mm			
Cooling	6.3 kW	9.9 kW	13.1 kW
Heating	11.5 kW	19.1 kW	26.5 kW



SCHAKO stands for competence in ventilation and air conditioning technology. The quality standard and reliability of our products are well known throughout Europe. At our own test laboratories, we develop solutions which sustainably optimise the indoor climate in work environments and public spaces. With sites in Germany, Spain and Hungary, we deliver quickly and flexibly throughout Europe.

We carry a wide standard range and are ideally positioned to meet special air demands with individual and smart solutions as well.

Pure competence in air.

As specialists, the companies of **SCHAKO Group – ADMECO, NOVENCO Building & Industry, REVEN, SCHAKO, SCHNEIDER Elektronik, SIROCCO and SMITSAIR** – offer a unique portfolio of ventilation, air conditioning, smoke extraction & fire protection products and system solutions for operating theatres, commercial construction, public buildings, canteen kitchens, laboratories, the process industry, stairwells, underground car parks, tunnel systems and data centres.

SCHAKO KG

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