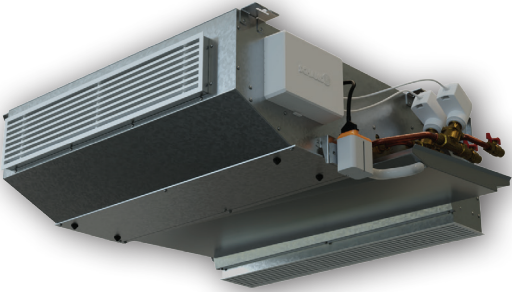


Pure competence in air.



Induction diffuser and fan convector in one

The SCHAKO AQSH convector is an induction diffuser with an integrated fan designed for maximum performance with the lowest possible acoustic emissions.

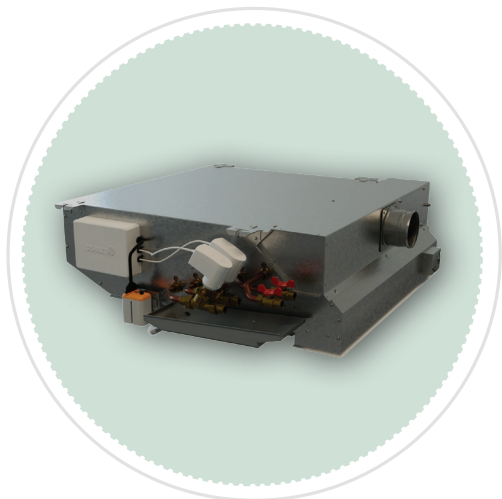
Technical features

- The SCHAKO AQSH is an innovative new development which combines the positive energetic and acoustic properties of the induction diffuser with that of a powerful fan convector.
- Primary air supply and conditioning for cooling and heating combined in a single unit.
- Optionally available is the adjustable nozzle for regulation of the primary air flow directly at the unit.

Available sizes

Design size	Width (mm)	Depth (mm)	Height (mm)	System	System
1	730	845	275	2-pipe	Cooling or heating
1	730	845	275	4-pipe	Cooling and heating
2	930	845	275	2-pipe	Cooling or heating
2	930	845	275	4-pipe	Cooling and heating
3	1,230	845	275	2-pipe	Cooling or heating
3	1,230	845	275	4-pipe	Cooling and heating

Technical changes reserved.



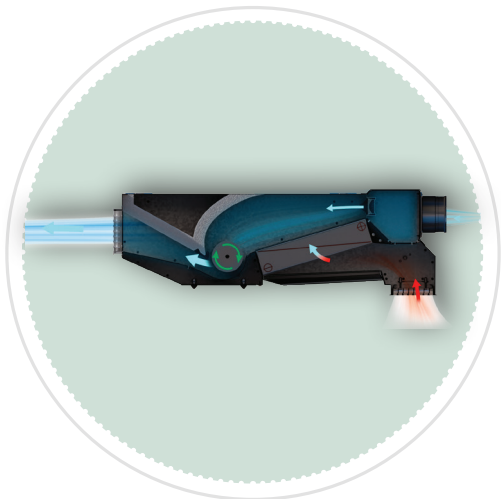
Areas of application

The high-performance fan induction convector for whisper-quiet operation

The SCHAKO AQSH was specially developed for applications in hotels, care homes and offices for installation in ceiling panelling where very high requirements are placed on acoustics and thermal performance. The SCHAKO AQSH is suitable for cooling, heating and hygienic air supply.

Minimal noise emissions, high performance

The SCHAKO AQSH was specially developed for hotels and buildings such as hospitals and care homes with rooms in which it is important to create a calm environment whilst still maintaining clean air and thermal comfort.



Function

Cooling and heating with conditioned external air

The external air required for hygienic air exchange is blown through nozzles in the unit toward the ventilation grilles. Secondary room air is drawn in through the heat exchanger register, conditioned and mixed with external air here. In induction mode, the units are especially quiet! To quickly reduce load peaks, the unit fan is activated. This draws in more room air and increases cooling/heating performance. Comfortable conditions are also ensured in fan convector mode. The condensation tray integrated into the unit enables operation at flow temperatures of 7 °C.

Accessories

- Adjustable nozzles
- Secondary air filter
- RAL-painted diffusers
- Pre-mounted valves and drives
- Actuators and room controller, condensate pump

Benefits

- Minimal noise generation and energy consumption in induction mode
- High thermal performance in fan convector mode
- High-efficiency EC fan
- Easy access to all maintenance-related groups from the room side

Performance values

Design size 1 730 mm	Induction mode	Induction & fan mode	Turbo
V_{Prim} m ³ /h	110	60	60
dB(A)	< 27	< 33	< 54
QK [W]	700	1,200	3,500
dB(A)	< 27	< 30	< 54
QH [W]	700	1,000	4,800
Design size 2 930 mm	Induction mode	Induction & fan mode	Turbo
V_{Prim} m ³ /h	150	80	80
QK [W]	900	1,600	4,700
QH [W]	900	1,400	6,400
Design size 3 1,230 mm	Induction mode	Induction & fan mode	Turbo
V_{Prim} m ³ /h	200	110	110
QK [W]	1,200	2,000	6,400
QH [W]	1,200	1,800	8,700

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.

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