

Air handling solutions for hotels

Maximum flexibility – Tailor-made ventilation systems

Your strong partner in advanced hotel ventilation systems

Hotels are among the most complex building types when it comes to indoor climate management. With a wide range of functions under one roof and fluctuating usage patterns throughout the day, they demand highly adaptable and efficient ventilation solutions. Comfort, hygiene, and sustainability must all be achieved simultaneously, without compromising on guest experience or operational efficiency.

Hotels bring together a wide variety of facilities under one roof: lobby, swimming pool, underground parking, guest rooms with bathrooms, restaurant and bar with kitchen, conference and event spaces, and a sports and spa area. Beyond this versatility lies a key challenge: most areas are only heavily used during peak times and remain idle for long periods in between.

In their rooms, guests expect a personalized and hygienic comfort climate — some prefer cozy warmth, others fresh and cool air. Across all hotel zones, the ventilation system must deliver maximum comfort and hygiene while remaining unobtrusive in terms of appearance, noise, and drafts. In the kitchen, the focus extends beyond noise control to include hygiene, occupational safety, and fire protection.

A relatively new requirement from investors is achieving a low CO_2 footprint, which goes hand in hand with high efficiency and low operating costs of air handling technology.



Tailored ventilation for every hotel area

Tailor-made WOLF ventilation systems combine comfort and sustainability with compliant planning and economic operation for every area of your hotel.

To ensure guests feel comfortable around the clock – from the underground garage and lobby to event spaces and the top-floor suites – and that workspaces in the kitchen, restaurant, reception, or office are pleasant and regulation-compliant, our planning focuses on precise climate, humidity and noise control. And of course perfectly matched to your needs, this applies from economy rooms to luxury suites.

Smart sensor technology ensures hygienically clean and conditioned air – exactly where and when it is needed. Even in complex room layouts, the indoor climate remains consistently pleasant. Thanks to efficient filtration technology, this is also possible in disadvantaged areas exposed to high environmental emissions.

WOLF ventilation technology is designed to operate discreetly and with minimal noise. With innovative fan technology and low airflow velocities draughts are significantly reduced through optimized air distribution.

The precisely sensor-controlled WOLF air handling units not only use the most efficient and whisper-quiet fan technologies but also recover heat from the exhaust air to temper the fresh supply air. This is achieved via high-performance heat exchangers that can recover up to 90% of the heat, depending on operating conditions.



Advantages of recirculation cooling at a glance:

Our systems are designed to support compliance with locally applicable standards and regulations, subject to project-specific design and installation. This gives planners and operators confidence in design, approval, and ongoing operation – and ensures high comfort and well-being for guests.



/01
Lobby

A warm welcome from the very first step

The business card of your hotel.
A consistently healthy climate, even when multiple travel groups arrive or depart simultaneously.



/02
Hotel room

Your guests' personal comfort zone

A relaxing retreat for your guests. Comfortably tempered to individual preference, with controlled humidity levels and low-noise, low-draught operation.



/03
Conference room

Fresh thinking needs fresh air

Full concentration in a welcoming atmosphere. Demand-based, draft-free air delivery at every point in the room.



/04
Spa area

Breathe in, unwind, recharge

Relaxation at pleasant bathing temperatures. In the spa and pool areas, a feel-good climate for lightly dressed guests seeking rest and recovery.



/05
Restaurant

The taste of comfort

Enjoy breakfast or à la carte dining in a refined atmosphere. Undisturbed enjoyment even when every table is occupied – demand-based, draft-free, and always whis-per-quiet air conditioning.



/06
Kitchen

Safe. Clean. Efficient.

Steaming, grilling, frying, or washing – the air in the kitchen meets supports compliance with occupational safety requirements when properly designed and operated – safe and hygienic, even during peak operation.

Well-being that lasts. Silence that matters. Satisfaction that counts.

Well-rested guests are more likely to enjoy their stay. An excellent indoor climate enhances well-being and performance – whether your guests are active in sports, business, or enjoying a wellness break.

Our energy-efficient and whisper-quiet ventilation systems ensure comfort. They provide a consistent supply of filtered fresh air and a comfortable indoor environment – without drafts or disturbing noise. Temperature and humidity can be individually adjusted, so your guests feel comfortable in every part of the building.

Energy-efficient WOLF AHU technology with heat recovery and whisper-quiet state-of-the-art fan systems significantly reduces heating and cooling demand – and thus energy costs and the building's CO_2 footprint. Our highly energy-efficient AHU units are also used in DGNB or LEED-certified green buildings.



WOLF is one of the leading international suppliers of innovative solutions for indoor climate control. Here's what matters most to our customers:



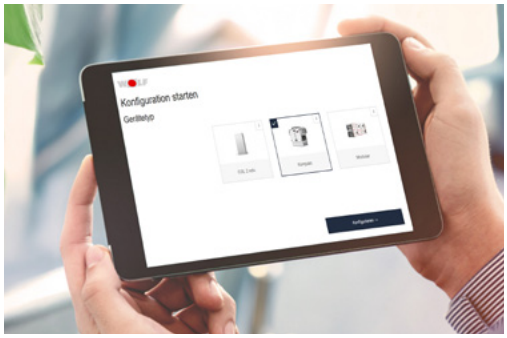
German Know-how

We develop our products at our headquarters in Mainburg, Bavaria - and manufacture them with the highest precision and vertical integration. WOLF Campus training programme offers you in-depth expert knowledge on professional installation, maintenance, etc. with seminars and in-house training courses.



Partnership at eye level

A nationwide and international network of personal contacts at our locations ensures fast and uncomplicated support. The WOLF Service Team provides you with expert advice and support during commissioning and maintenance.
A network of wholesale partners facilitates the procurement of spare parts.



Simply powerful solutions

WOLF ventilation systems combine efficiency, durability and ease of operation.
The wide-ranging air handling product portfolio is complemented by digital services that save time, money and CO_2.



For an intact environment and diversity

We consciously prioritise durability and sustainability in our design and choice of materials. At WOLF, different generations and nations work hand in hand and benefit from each other.

WOLF Air handling

A suitable solution for every demand

- Commercial kitchens
- Pools and spa
- Production and industrial buildings
- Healthcare
- Agriculture
- Experience, culture and sports buildings
- Office and administration buildings
- Logistics and warehouses
- Retail stores
- Transportation and traffic
- Educational institutions
- Data centers

Get in touch for more details

Please find your local contact on:
www.wolf.eu/wolf-worldwide

Contact us!



Alshaimaa Abdelaziz
Expert in Hotels

WOLF