

A photograph of a long, brightly lit aisle in a data center. On the left, there are rows of server racks with glass doors, reflecting the overhead lights. The floor is made of large, light-colored tiles. The perspective is from the end of the aisle, looking down its length.

HVAC & cooling solutions for data centers

Maximum efficiency – Tailor-made ventilation systems

Your strong partner for smart HVAC solutions for data centers

Digitalization is advancing, new server generations are entering the market, AI applications require ever-larger data storage, and cooling loads are increasing. At the same time, space is limited. Yet data centers must be able to grow.

WOLF is your specialist for scalable HVAC and air cooling systems in server rooms and data centers. Our dedicated experts are always available to ensure reliable and cost-effective climate control for your data storage and computing capacities.

Our goal: To ensure maximum operational reliability, constant temperature and humidity in the server room using premium technology –

and of course, sustainably, with state-of-the-art efficiency and your desired redundancy (N+1, 2N). This means you're 100% on the safe side when it comes to economic viability.

We support you from the very first planning phase and deliver robust climate solutions with low energy consumption in a compact design: precisely the installation- and maintenance-friendly solution your project needs today.



WOLF Fan Wall - compact, efficient and scalable

In many data centers, cooling is traditionally provided by centrally supplied chilled water units such as CRAH (Computer Room Air Handler) or CRAC (Computer Room Air Conditioner). These systems distribute cold air via raised floors or air ducts into the server room. However, they require extensive planning and installation, consume valuable space, and quickly reach their limits as rack density increases.

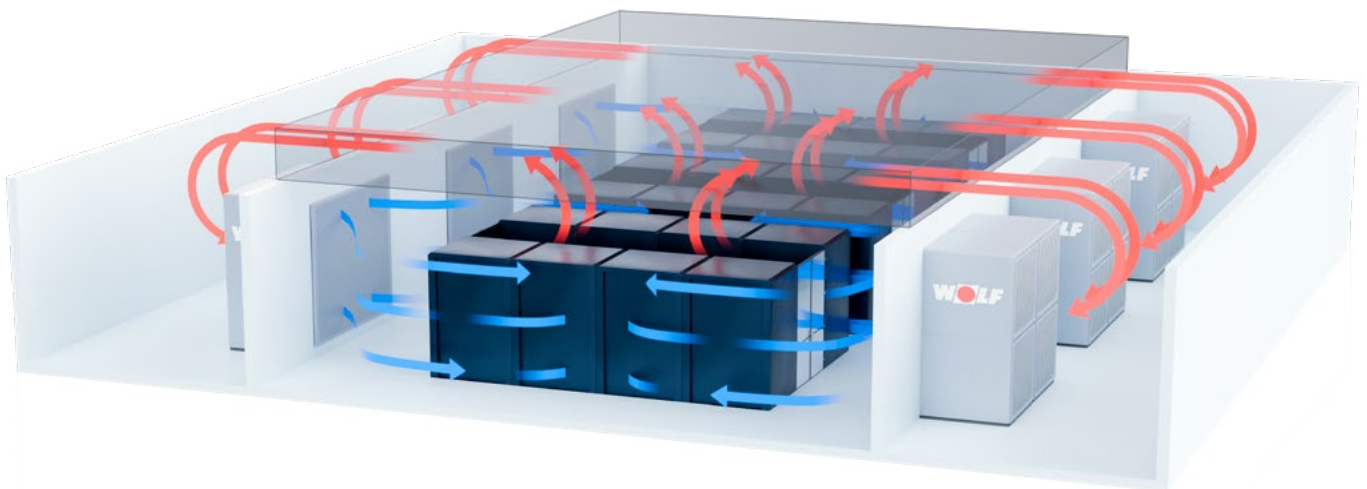
WOLF's flexible Fan Wall units offer a more compact, efficient, and easily scalable alternative for enterprises, co-Locations and hyperscales. These modular units are installed directly in the server room – for example, in technical aisles or at the rear – and enable

targeted, uniform cooling in recirculation mode without raised floors or complex air routing. Chilled air, tempered via a chiller, flows between the racks, warms up, and rises. It is then extracted near the ceiling.

The high-quality Fan Wall units combine powerful EC fans and large heat exchangers in a compact housing. They deliver high specific cooling capacity – up to 500 kW per unit – with minimal space requirements and are suitable for any demand.

Connection to existing central chilled water networks (CW systems) is easily possible.

All components are corrosion-resistant, durable, and easily accessible. Removable side panels allow convenient servicing – even during operation.



Advantages of recirculation cooling at a glance:

With WOLF Fan Wall units, you implement a future-proof climate solution that reliably handles high thermal loads while occupying minimal space.

You have a single point of contact for all concerns and tasks. From expert consultation and thoughtful planning to a comprehensive product portfolio with efficient system and control technology – WOLF offers everything from a single source.



/01

Low Costs

- Lower investment costs compared to conventional solutions
- Minimal operating costs thanks to EC motors and low air velocities
- Energy-efficient operation

/02

High Safety

- Corrosion resistance
- Long service life
- High cooling capacities up to 500 kW per unit
- Large, highly efficient heat exchangers
- Easy and fast maintenance and servicing
- Interfaces for all building management systems

/03

Maximum Flexibility

- Modular design for precise performance
- Unlimited scalability (depending on central chiller capacity)
- Small footprint
- Standard sizes or custom performance configurations
- Integration in BIM

Safe, Efficient, and scalable for the future

Robust, energy-efficient, and durable solutions that precisely, efficiently, and reliably dissipate your servers' waste heat around the clock – and ideally recover it for external use – are key to your economic success.

Narrow temperature and humidity corridors reliably prevent static discharge, condensation, and equipment failure.

WOLF's new cooling solutions are ideal for small footprints – highly fail-safe, efficient, sustainable, and tailored to tomorrow's possibilities.

WOLF plans individually – precisely adapted to the local climate and surrounding conditions, the maximum thermal load, the data center layout, and the desired temperature differentials in the server room. Flexible future scaling of the data center is naturally taken into account.

Our data center solutions integrate seamlessly into external building management platforms and can be monitored and managed with high precision in real time – on-site or remotely.

All WOLF solutions stand for maximum operational reliability, efficient energy use, and customized air quality management.



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

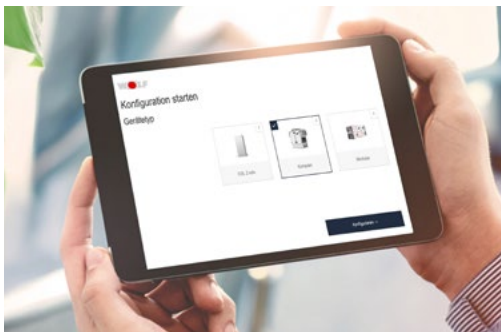
We develop our products at our headquarters in Mainburg, Bavaria - and manufacture them with the highest precision and vertical integration. WOLF Campus training programme in Germany offers you in-depth expert knowledge on professional installation, maintenance, etc. with seminars and in-house training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



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 CO₂.



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



Hotel and accommodation

Get in touch for more details

Please find your local contact on:
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Expert in Datacenters