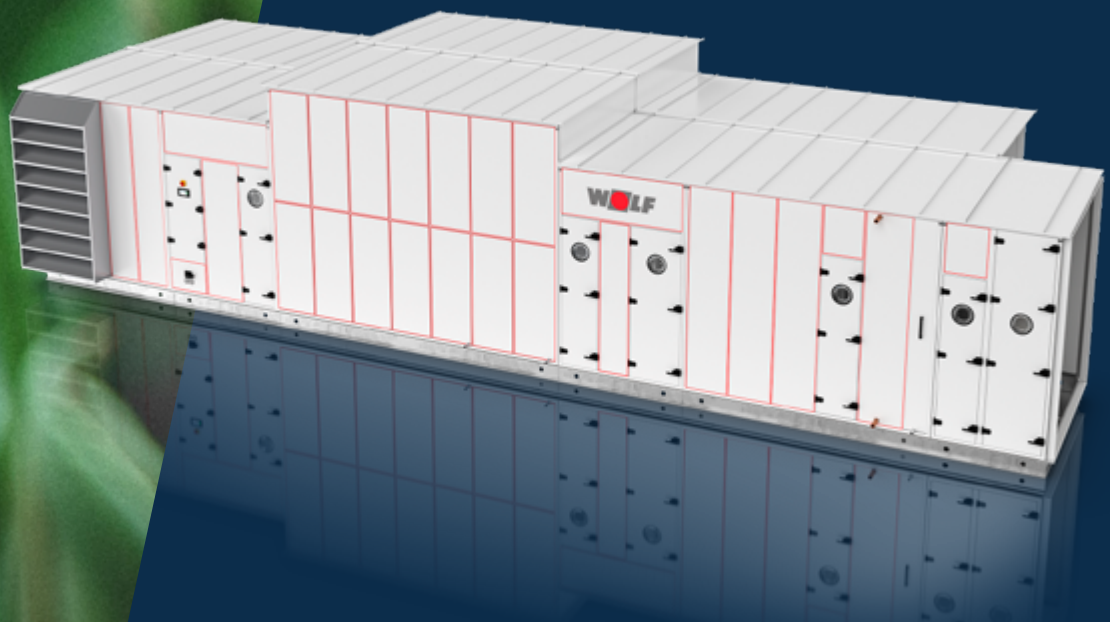


Air handling solutions for agriculture

Maximum flexibility – customised air handling systems

WOLF: your strong partner for agriculture solutions

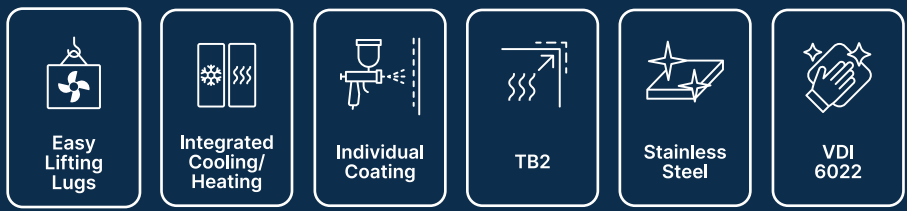
When growing crops and flowers in greenhouse farming, problems due to excessive humidity are well known. To regulate humidity, it is common to open windows and raise the air temperature. This destroys a lot of energy, and high energy prices make this solution far from cost-effective.

With a large product range we provide the greatest possible flexibility when it comes to the dimensions and design of air handling systems. We offer tailor-made, highly efficient air handling technology to suit any project.
By using WOLF's dehumidification solutions, significant savings on your energy consumption, and cost-reduction are possible. Together we work for a better planet.

For additional requirements

Air heaters combined with a heat pump form an ideal combination for uncomplicated yet highly effective heating. This approach offers a cost-effective and sustainable way to heat your greenhouse. The air heaters are equipped with EC technology, while the energy-efficient heat pump increases the overall efficiency, resulting in an economically viable heating solution.

WOLF product overview



Solutions to easily integrate

/01

In this approach, air dehumidification is achieved by condensing greenhouse air through active cooling and the usage of fresh outside air.

The option to incorporate outside air offers potential savings on the necessary cooling capacity.

Energy optimisation
Usage of fresh outside air for free cooling capacity

Maximum efficiency
Fan with EC-technology

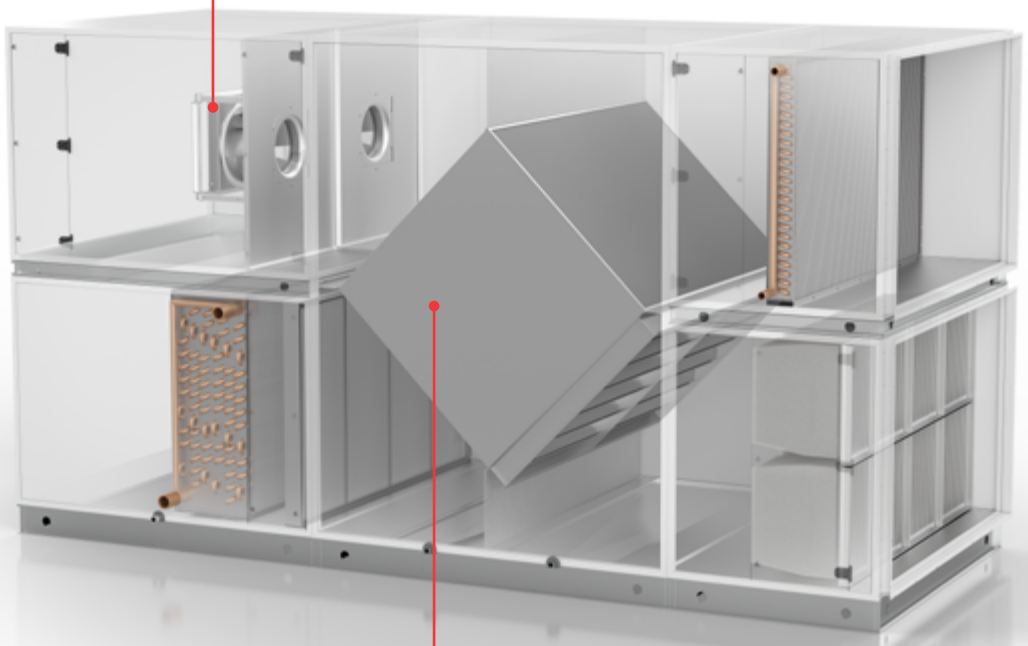
Small floor surface
Vertical unit saves space

/02

With this option, a dehumidification solution is implemented. Greenhouse air undergoes dehumidification via a plate heat exchanger and cooling coil, followed by reheating to the optimal temperature and humidity.

The strategic use of the plate exchanger results in reduced requirements for active cooling capacity, leading to energy cost savings.

Maximum efficiency
Fan with EC-technology



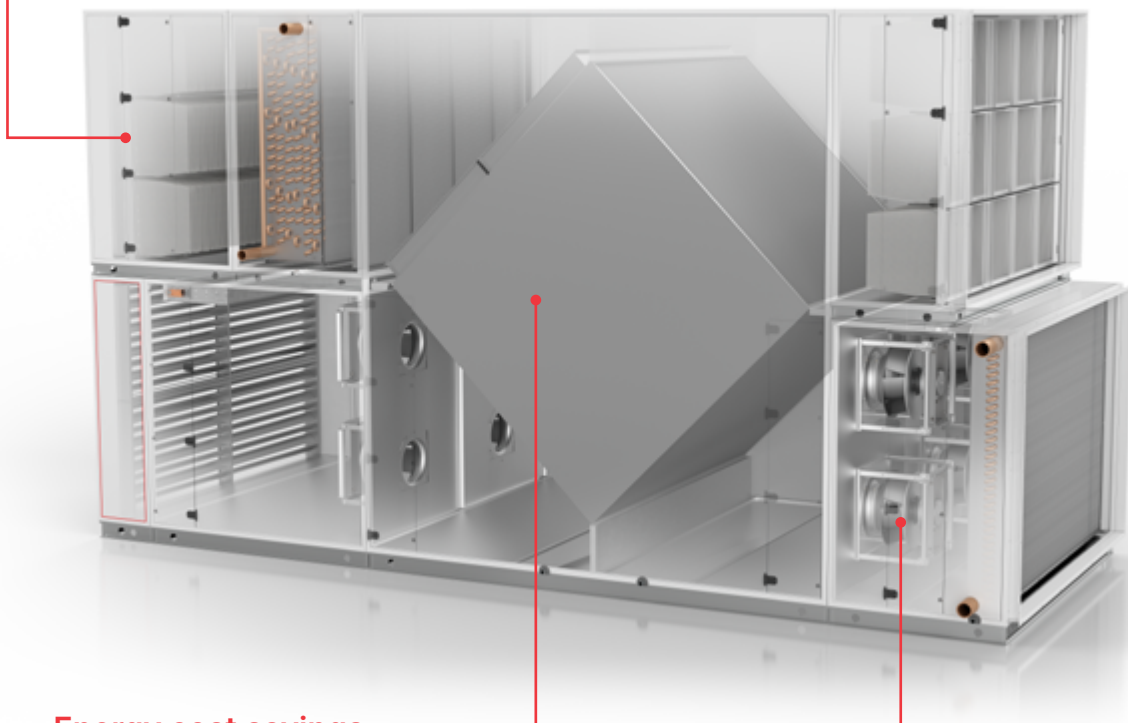
Energy cost savings
Heat recovery to reduce required cooling capacity

/03

In this solution, greenhouse air is dehumidified using a combination of a plate exchanger and cooling coil, followed by reheating to the desired temperature and humidity levels.

Additionally, the integration of outside air, if necessary or preferred, further optimizes energy efficiency by conserving active cooling capacity during the dehumidification process.

Energy optimisation
Usage of fresh outside air for free cooling capacity

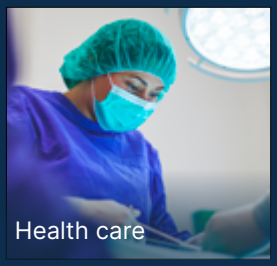


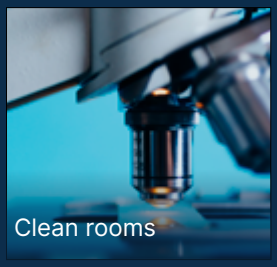
Energy cost savings
Heat recovery to reduce required cooling capacity

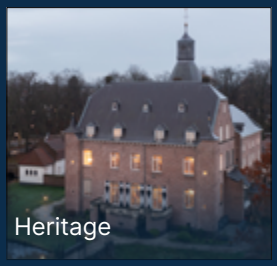
Maximum efficiency
Fan with EC-technology

WOLF air handling

A suitable solution for every demand







Scan for more info!

Our advisors will be happy to help you!

Do you have any questions or suggestions following this brochure?
If so, please contact us at: info-nl@wolf.eu

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