



Agriculture solutions



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.

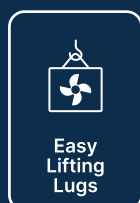
With a large product range we provide the greatest possible flexibility when it comes to the dimensions and design of air handling systems. We offer tailor-made, highly efficient air handling technology to suit any project.

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.



Solutions to easily integrate

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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

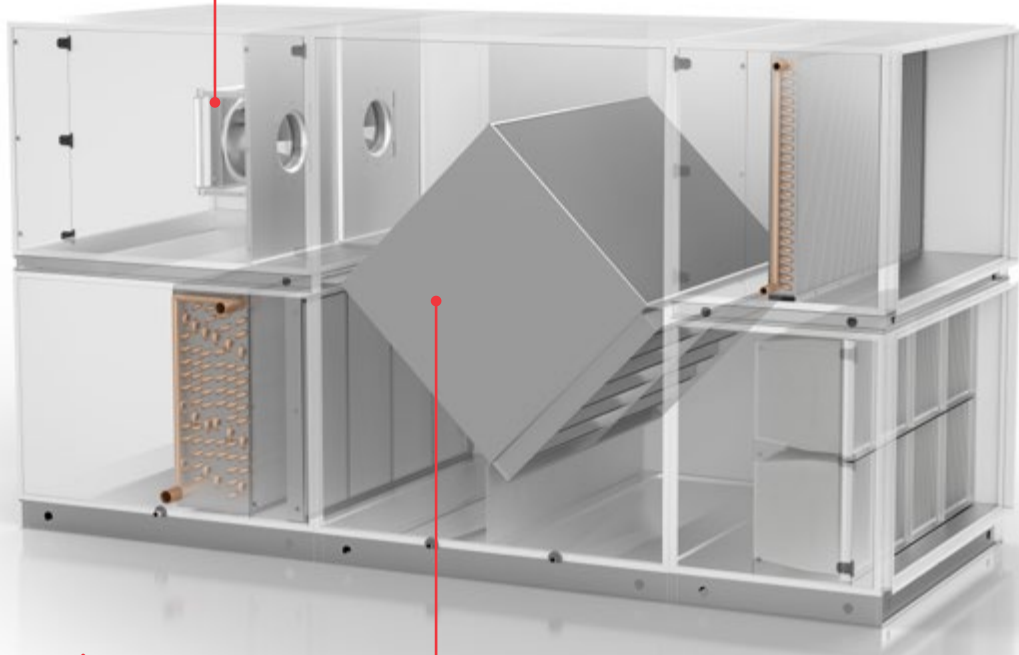
Vertical unit saves space

/D2

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

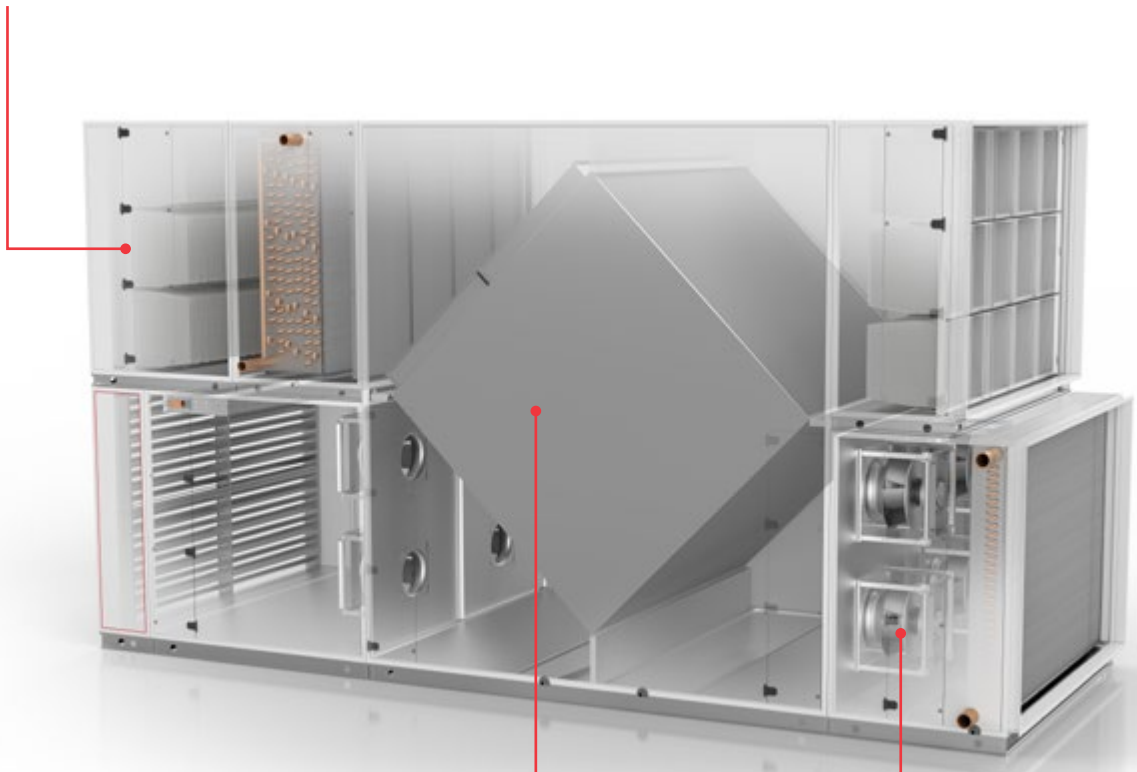
Heat recovery to reduce required cooling capacity

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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



Commercial kitchens



Pools and spa



Production and industrial buildings



Healthcare



Data and computer centers



Experience, culture and sports buildings



Office and administration buildings



Logistics and warehouses



Retail stores



Transportation and traffic



Educational institutions



Hotel and accommodation

If you have any questions about this brochure, please contact us at feedback@wolf.eu

You can find a local contact on our website: www.wolf.eu/wolf-worldwide



We look forward to hearing from you.