



## Vindur® Top hygiene air cooling unit.

**Viruses, germs and mould have no chance.**

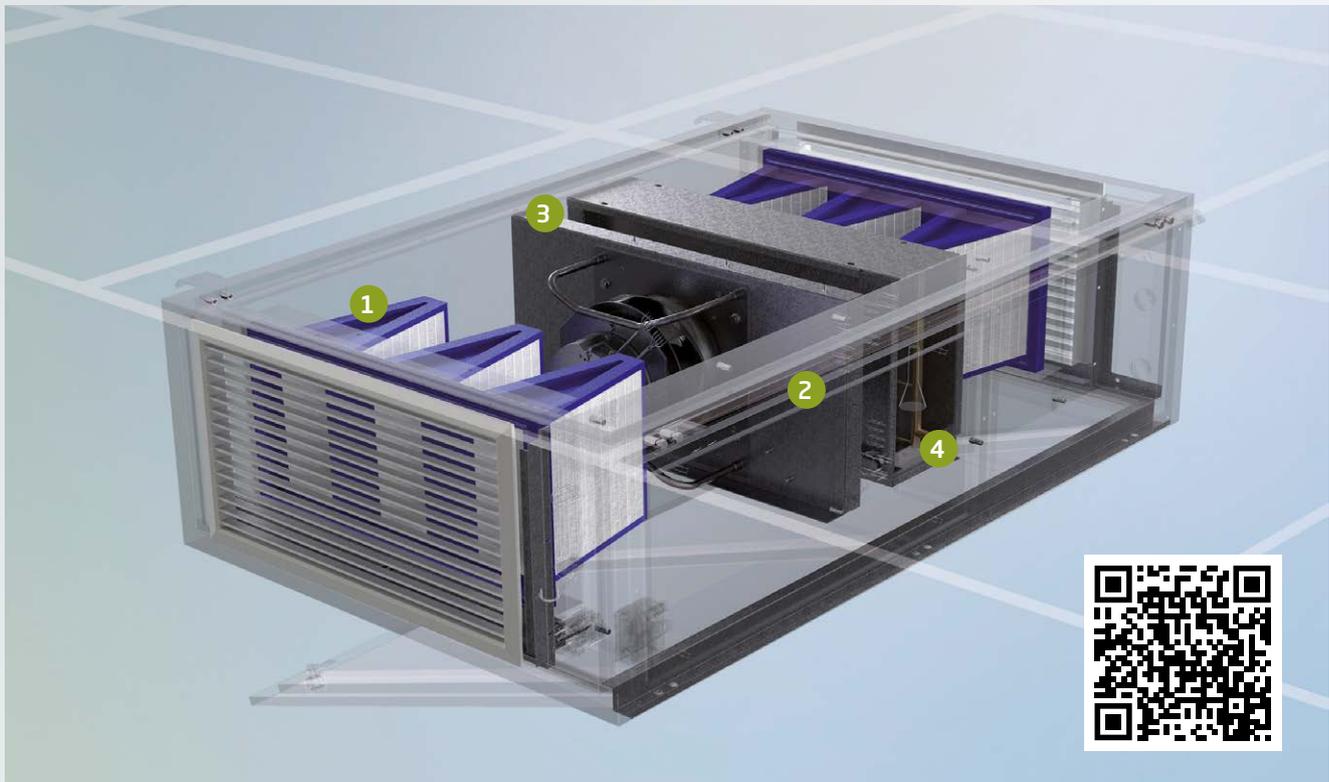
Viruses, bacteria and spores are almost everywhere. They spread particularly easily in rooms with food and a large number of people. Thus it is especially important to ensure such areas have optimum air hygiene. To guarantee this, the Vindur® Top cooling unit works with a unique, four-stage safety concept.

The innovative recirculating air unit was developed for use in rooms occupied by persons which have to meet the special hygienic requirements of VDI 6022. Besides hospitals, this includes public buildings, hotels and the food industry in particular. In the meat, fish and dairy

products processing industries, care must be taken that airborne micro-organisms (viruses, bacteria) are avoided as far as possible in order to ensure the health of all employees. In addition, mould - which is a hazard for perishable goods - has to be eliminated.

# Optimum air hygiene protects employees and food.

Vindur® Top hygiene air cooling unit with a four-stage safety concept.



## Overview of the Vindur® Top safety concept:

- 1 Airborne particle filters**

The highly effective airborne particle filters reliably filter 99.995% of all micro-organisms such as bacteria and viruses out of the air during operation.
- 2 UVC radiators**

The UV rays generated by a UVC radiator reliably kill or deactivate bacteria and viruses which are trapped by the airborne particle filter.
- 3 Anti-microbial inner coating**

To prevent micro-organisms from spreading, the inner plates of the air cooling unit are coated with a special anti-microbial paint.
- 4 Thermal disinfection**

After the unit has been switched off, heat exchanger and condensate drip tray are heated to approx. 70 °C for about 10 minutes by an electric heater. This dries all components which may be wetted with condensate and thermally and reliably kills or inactivates viruses, bacteria and mould.

## Additional safety:

All service and maintenance work can be done quickly and easily from below.

Thanks to the innovative web visualisation, all installed parts and operating states can be opened, monitored and controlled centrally.

Vindur® Top is suitable both for new buildings and for retrofitting to existing industrial buildings.

**Please see our brochure for all technical details.**



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