

# EMMI (Emission Minimizer)

## Exhaust air cleaning system - poultry fattening



Exhaust air cleaning plays a major role in the approval of stable facilities. An investment in an exhaust air cleaning system may significantly simplify the approval process. In fact, not only does a system of this kind provide an extraordinarily effective method for reducing ammonia, dust, germs and odours: it also reduces complaints from neighbours and protects the environment.

We are your expert of clean exhaust air. The technical know-how we gained over many years of experience in the most diverse sectors thus makes us a reliable partner. Specifically, we have specialised in energy-efficient cleaning systems, which we constantly update and improve in order to provide our customers with future-proof technological solutions.

### Everything from a single source.

- > Licensing support
- > System planning
- > System construction and installation
- > Commissioning
- > Training
- > Maintenance

**We are the first company on the market to pass the DLG signum test for intensive poultry fattening and are thus fulfilling tomorrow's requirements of the European BAT Directive today.**

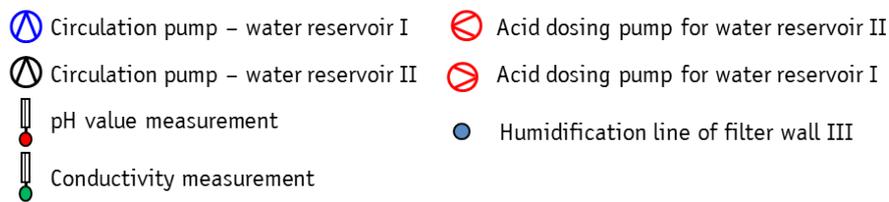
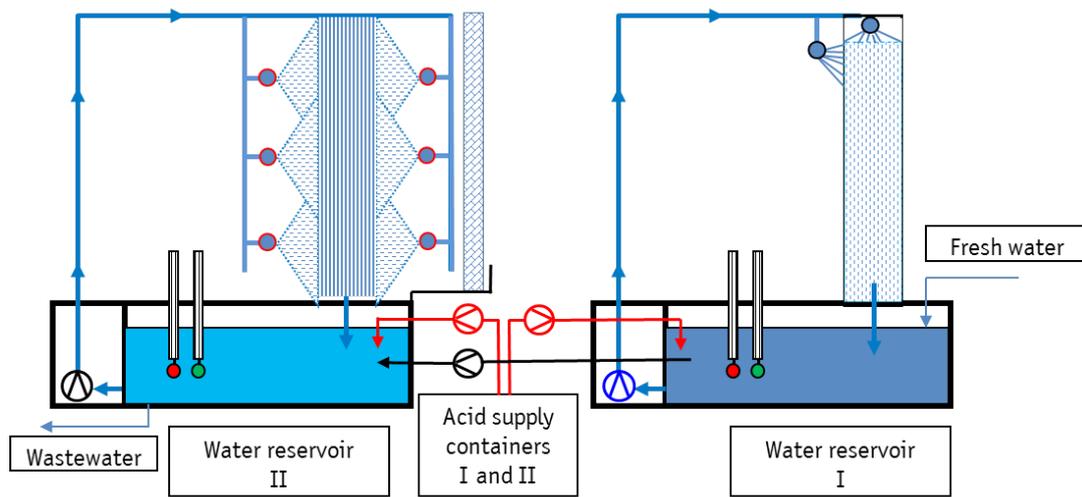


### Functionality

The EMMI exhaust air cleaning system is divided into three cleaning areas, so that it is necessary to use only the filter surface that is actually needed. The cleaning levels are activated or deactivated depending on the actual exhaust air mass to be cleaned, i.e. after an increase in emissions. For instance, this is the case especially on particularly hot days, when the animals are already towards the end of the fattening cycle. The fan units are operated by means of frequency converters. In this way, power surges are prevented and operating costs are dramatically reduced. The exhaust air cleaning system is so automated and self-sufficient that the tasks of the operator are minimised.

The automatic cleaning of the droplet separators completely eliminates any residues during the entire fattening cycle. As the droplet separators are cleaned, the pressure loss in the exhaust air cleaning system is reduced and less germs are transported from the stable -which immediately dispels the worries that have arisen in recent debates on this issue.

**We build solutions.**



## Features

- Customised construction designs focused on animal numbers, also available as containers
- Transparent description of plant operation via electronic operating logbook
- Minimal pressure drop due to evenly distributed air flow and consequent savings in pressure-resistant fans
- No power spikes thanks to frequency-controlled fans
- Remote queries and maintenance are possible
- Easy cleaning thanks to pipe bundles and vertical walls
- Use of proven industrial components (e.g. Siemens, WAGO)

## Advantages

- Lower investment costs
- Remarkable drop in service costs
- Cleaning efforts reduced by more than 50%
- Less maintenance-intensive
- Time-saving
- Higher added value of the ventilation system through optimal system management
- Reduction in energy costs for ventilation by up to 40%
- Amortisation of the ventilation system by no later than 12 months
- Significant reduction in system downtime
- Investment protection
- High degree of operational safety



Further information at

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[www.schulz-gruppe.st](http://www.schulz-gruppe.st)

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