

Air purifiers for pig farming

DLG certified for pig fattening

Less is more > 92 % ammonia reduction (NH₃)

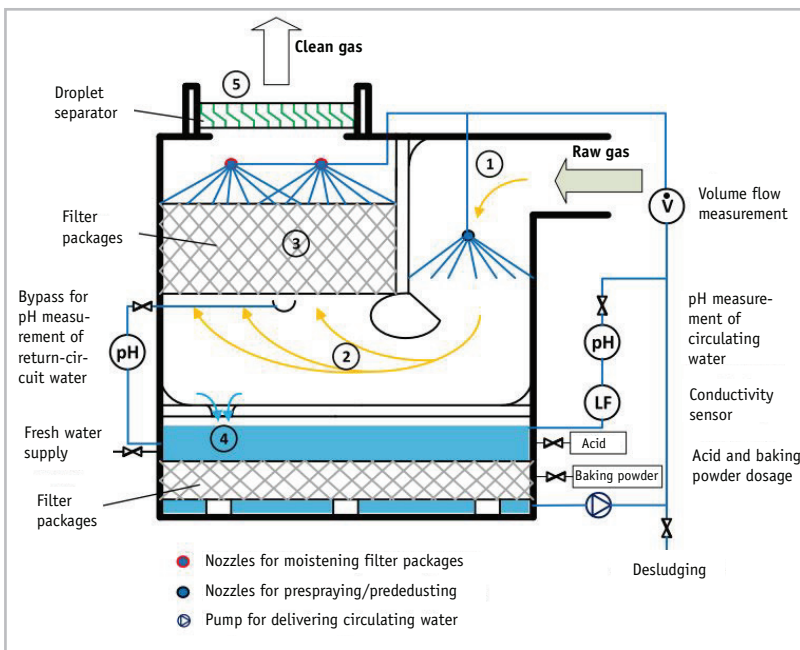
> 95 % dust reduction

> Odour reduction to below 300 GE/m³ and no raw gas smell in clean gas - perceptible

Everything from a single source

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

Functional principle of Uniqfill Air BV BioCombie Exhaust Air Scrubbers



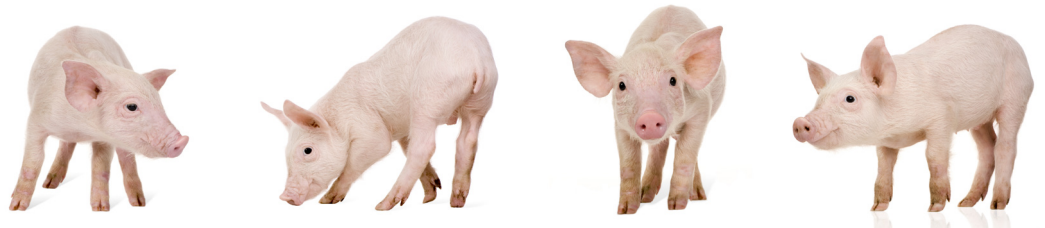
- 1) Exhaust air humidification in line with the direct current principle. Dust particles are bound and eliminated.
- 2) Deflection of the exhaust air to packing materials.
- 3) Packing materials are permanently sprinkled with water from above. Exhaust air flows through packing materials from bottom to top. Biodegradation of dust, ammonia and odoriferous substances.
- 4) Circulating water enters a reaction basin. Further biodegradation of dust, ammonia and odoriferous substances.
- 5) Exhaust air is then conveyed through a droplet separator. Here, droplets are separated from air and returned to a water trap. In doing so, the emissions of acid- and nitrogen-containing aerosols can be prevented.

Features

- Customised construction designs tailored to animal numbers, also available as containers
- Transparent plant operation description via electronic operating logbook
- Low pressure losses through flow-optimised exhaust air ducts
- Remote queries and maintenance are possible
- Use of proven industrial components
- Degradation of ammonia, dust and odour via biological trickle-bed reactor

Advantages

- Demand-oriented design and thus minimisation of investment costs
- Minimised service costs thanks to high operational safety
- Less maintenance-intensive
- Higher added value
- Reduction of energy costs for the ventilation system thanks to optimal system management



Further information at



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We build solutions.