

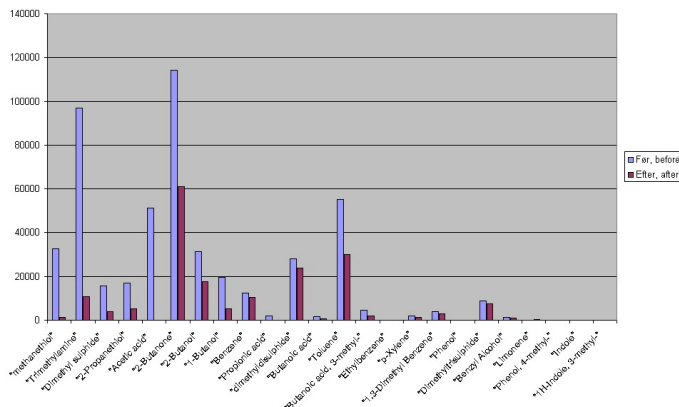
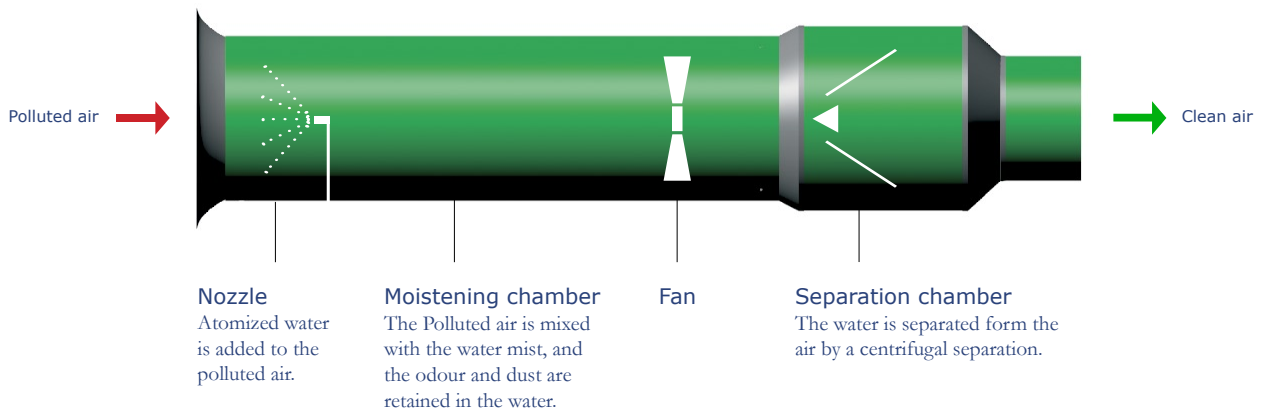
Funki Air Clean

Air cleaning for livestock breeding

Odour, ammonia, and dust emission from stables is a common problem, for which neighbours and the surrounding society demand a solution in the near future.

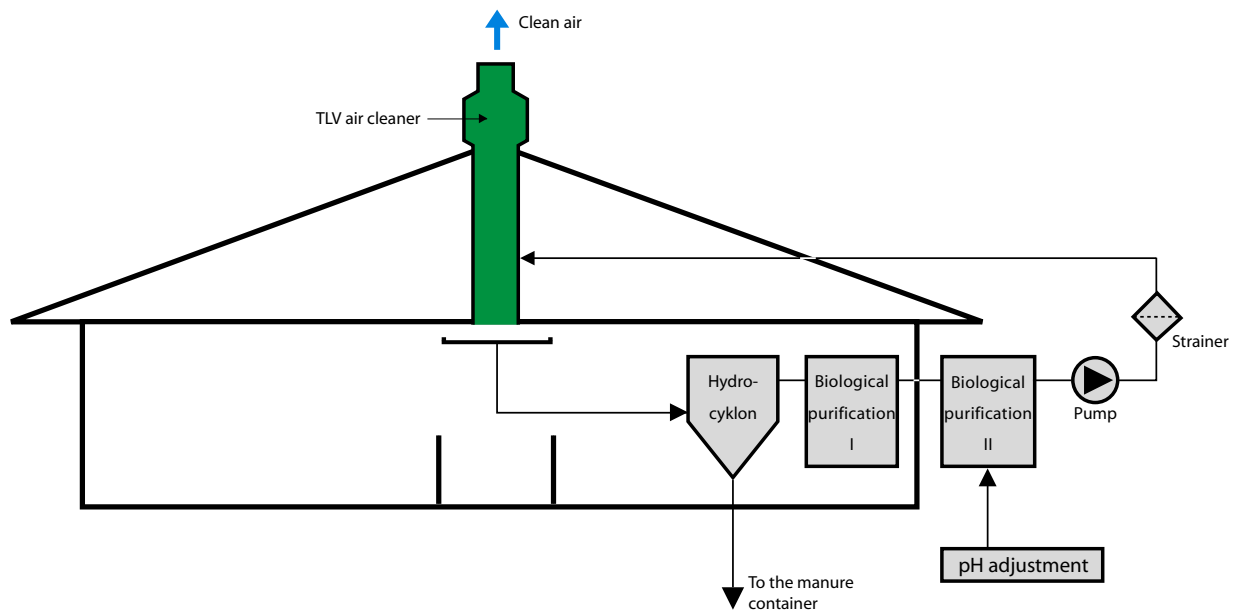
The patented Waterdrops System are specifically developed to target and solve these problems in a simple, economical, environmental and economical friendly way.

- Reduction of dust emission with 95%.
Odour and ammonia emission with 50%.
- Preventing various lung diseases for humans as well as animals.
- No modifications of usual interior is required.
- The physical size of the equipment is only slightly increased compared to a traditional ventilation system without odour control.
- The capacity of the system compared to a »normal« exhaust is almost the same.
- The anticipated cost pr pig should be approximately €0,68.
- Almost maintenance free.
- Developed in cooperation with Aalborg University, University of Southern Denmark, and The Danish Institute of Agricultural Sciences.



Documentation

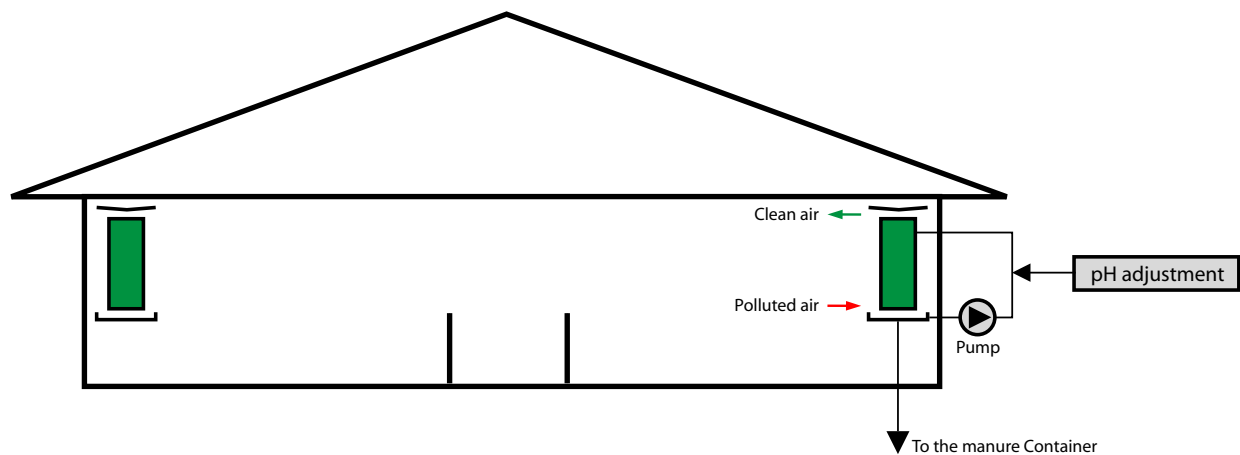
The air from pig houses contains several hundred odorous substances, although not all of these odorous substances are unpleasant in terms of our sense of smell. We have therefore concentrated on those odorous substances - also called key substances - that are perceived as being unpleasant. The bar chart illustrates the reduction of the key substances before (blue column) and after (red column) treatment using the Waterdrops air cleaner.



Waterdrops Natural

The units are installed as a traditional exhaust, containing the newly developed “Waterdrops” system that separates odour and dust from the air with water. The odour, dust and ammonia are retained in the water, which is sent back to a container to be re-circulated and reused.

For the purifying process every unit uses 200 litre water per hour, the waste water is cleansed and re-used inside a closed system. The waste water contains approx. 70 gr. dust per liter water and a large number of dissolved odours.



Waterdrops Environment

Further the unit can be installed in the house as an internal unit, where existing ventilation just need an upgrading. The cleaning process of the air is exact the same whether it is sent to the ambient outside the house or is recycled as clean air inside the house.

This way of using the “waterdrops” system is beneficial for the animals as well as the keeper since the dust; odour and ammonia load inside the house will be reduced significantly, preventing various lung diseases for humans and animals.

For further information

www.turbovent.dk og www.luftvasker.dk

 **ACO funki**

B-5031 GB Air Clean