



Agrifarm air exchange system

New technology – Agrifarm air exchange system

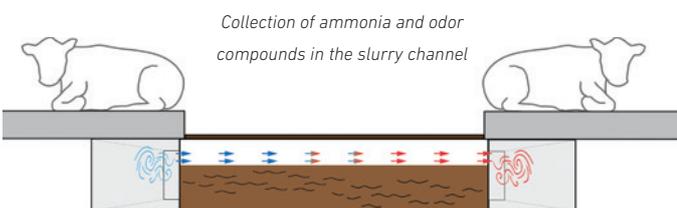
 **AGRI**FARM

Agrifarm air exchange system

Improvement of the indoor housing climate for your cows combined with a reduction in the environmental impact for the housing system is made possible with the unique technology – Agrifarm air exchange system.

New technology – Agrifarm air exchange system

As a natural part of our housing system for dairy cows we have developed and patented a unique technology for collection of emissions from the slurry channels – Agrifarm air exchange system. This new system removes up to 90 % of the ammonia emissions and more than half of the odor compounds by means of an air stream right below the slatted floor. Exactly here the concentration of ammonia and odor is relatively high and therefore a large amount of the emissions can be collected with a relatively small amount of air.



Ventilation under the cubicles

Under the cubicles air is blown across the slurry channel through built in air ducts, thereby establishing an air stream above the manure. This way ammonia and odor compounds are collected directly at the source, so the indoor climate is not affected and the emissions to the surroundings are limited, all for the benefit of your cows and the immediate environment surrounding your farm.



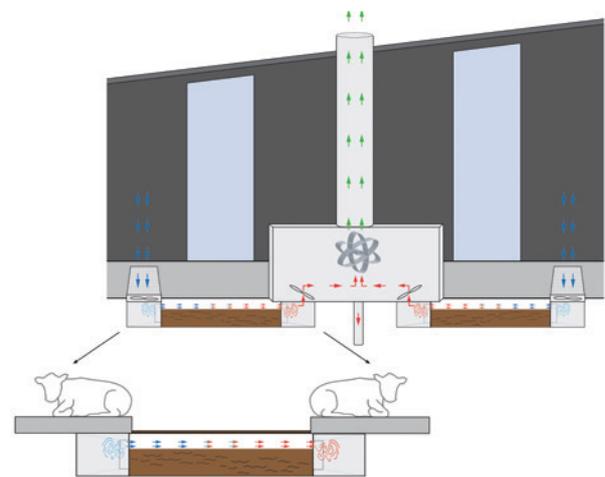
The best technology in the market

At this moment the air exchange system is the best available technology on the market for collection of ammonia and odor compounds. In 2010 the company AgroTech, which is an impartial

Approved Technological Service Institute, carried out a Proof of Concept test of the system to document the high efficiency of the air cleaning system. The test shows that the system during the year in average collects 75 % of the ammonia emissions, but with a potential of up to 90 %.

Unique solution which benefits your earnings

When we remove large amounts of ammonia and odor compounds from your barn, you will minimize the environmental impact from your herd. This gives you the opportunity of increasing herd size or gathering your production in fewer production units with the possibility to manage more animals with fewer staff.



The result is that you will increase production efficiency and your earnings.

Improved indoor climate results in increased earnings

Less impact of ammonia in the barn means that hoof and udder health is improved markedly. Your cows will most likely repay you with higher yields and reduced costs for the veterinarian.

Smartfarm® management system – automatic and easy

Smartfarm® ensures the overall management, regulation and monitoring of the hybrid ventilation system together with the air exchange system and an air cleaning unit if provided.



AGRIFARM AIR EXCHANGE SYSTEM – TECHNOLOGY WHICH IS NOTICED

In 2009 we received the Agromek Award and in 2012 we received the EU Award for the Environment for the unique environmental technology for dairy housing systems.



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European Business
Awards for the
Environment