HANSKAMP
Innovation for dairy farming



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CowToilet

Fertilize with precision and prevent emissions

The CowToilet is a RAV-certified automatic urination system that collects urine at the source and separates it from manure. This prevents ammonia formation, preserves valuable nutrients, and improves air quality in the barn, benefiting both animal health and the environment.

See how the
CowToilet works here

The CowToilet

- collects urine directly at the source and separates it from manure
- enables nutrient preservation for use as a fertiliser substitute
- is RAV-certified with a definitive emission factor of 6 kg NH_3 per animal place per year
- fits any barn layout, also in combination with grazing



Separation of manure at the source

Nutrient preservation on the farm

Suitable for any barn, including grazing systems

Individually controlled concentrate feeding

RAV-certified and proven in practice

Collecting urine at the source
A cow never urinates and defecates at the same time. The CowToilet makes use of this natural behaviour by collecting urine directly beneath the cow's tail. A gentle, automatic mechanism positions itself when the cow is feeding at the station. The urine is immediately channelled into a sealed storage tank, while the solid manure simply falls into the manure pit. This prevents ammonia formation and keeps the air in the barn fresh.

Proven function and effectiveness
By keeping urine and manure separate, ammonia formation is prevented and valuable nutrients are preserved. Independent research has shown that the CowToilet can reduce ammonia emissions in the barn by more than one third. The system is RAV-certified and can be easily integrated into both new and existing barns, including those with grazing.

Nutrient preservation, wide application
The collected urine is stored in an airtight tank and remains stable in composition (approx. N 6 kg/m³, K 12 kg/m³, P 0 kg/m³). This nutrient stream can be used directly as a fertiliser substitute or valorised for additional revenue. In doing so, the CowToilet contributes to both emission reduction and a circular farming system.





