Slurry cooling

klimadan

Reduce ammonia emissions by up to 30% and simultaneously recover the heat for heating of, for example, the farrowing pen, piglet pens, etc.

At klimadan.dk you can find more information about how you can save money with energy solutions

Slurry cooling

Heat recovery using a heat pump

In efficient, modern piggery, it is important to ensure high productivity while focusing on minimising operations costs. A good indoor climate in the pens helps to increase productivity and thus increase your profits. By heating your pens with Klimadan heat pump solutions, you have the opportunity to create the optimum climate in your pens.

Our solutions are based on recovering excess heat from the slurry under the pens. By recovering heat, we can reduce heating costs without compromising the pen climate. In addition to being a sound investment, the slurry cooling environment benefits several areas. When the slurry is cooled, ammonia emissions from the pens are reduced - this results in a better indoor climate in the piggery, while the environmental impact is reduced. In addition, slurry cooling is an environmentally friendly form of heating, which lowers carbon dioxide emissions significantly, compared to other types of heating, such as oil, coal and other fossil fuels.

Please contact Klimadan when you are considering building a new piggery facility and hear how we can improve your finances.

- There is a lot of money to be saved on recycling surplus heat from slurry for heating piglet pens, farrowing pens and the farmhouse.

- By using slurry cooling, it is possible to reduce ammonia emissions by up to 30%.

- We have more than 35 years of experience with custom-adjusted heat pump systems for agriculture and have developed, installed and serviced slurry cooling facilities for European farmers for more than 15 years.

- The repayment period for an investment in slurry cooling is often only 2-5 years.

Slurry cooling systems under construction

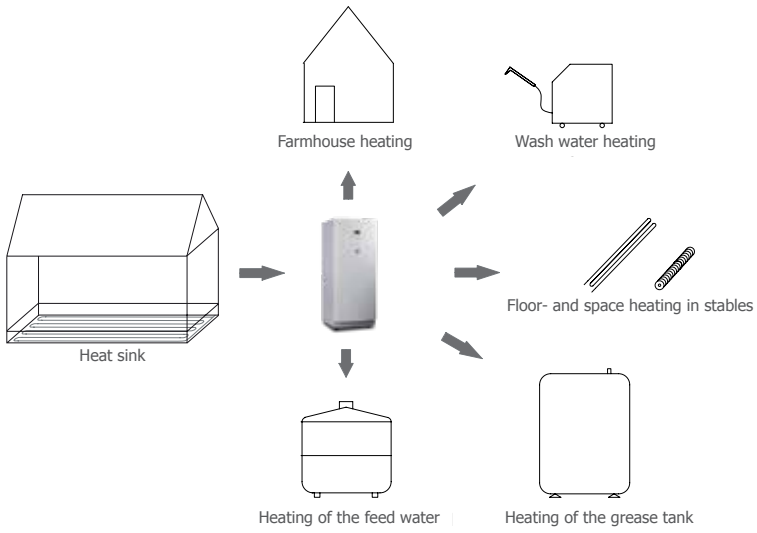
Savings example for slurry cooling:
Estimated oil consumption: 15.000 liter
1.500 mtr. clurry pipes
Annual savings: 7.382 €
Payback time: 3 years

We have over 35 years of experience in customised solutions for agriculture. This experience and our knowhow can guarantee a good and reliable solution for you.

How a slurry cooling system works

Your pen is a treasure trove of surplus heat

The excess heat from the pen heats the water in the “heat absorber” and this water is then pumped through the “heat pump”. This causes a cooling of the water and energy from this cooling is transported via the heat pump to a higher temperature, so it can be used for heating the water in the “hot water heater”, or heating buildings.



At klimadan.dk you can find more information about how you can save money and reduce ammonia emissions by using slurry cooling.

Cascade heat pumps are at the heart of a slurry cooling system

More than 35 years of experience and 8,000 sustainable energy solutions benefit you

Klimadan A/S

heat pumps | slurry cooling | spot cooling

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