



Cooling for Pig Production



SKOV High-Pressure Cooling

Pigs are very susceptible to high temperatures as they only have sweat glands on their snouts and therefore cannot sweat. Because of the pigs' lacking ability to release heat, it may have very serious consequences in hot periods such as lower gain, changed dunging behaviour, smaller litter sizes, lowered semen quality as well as increased mortality.

Correct climate also during warm periods

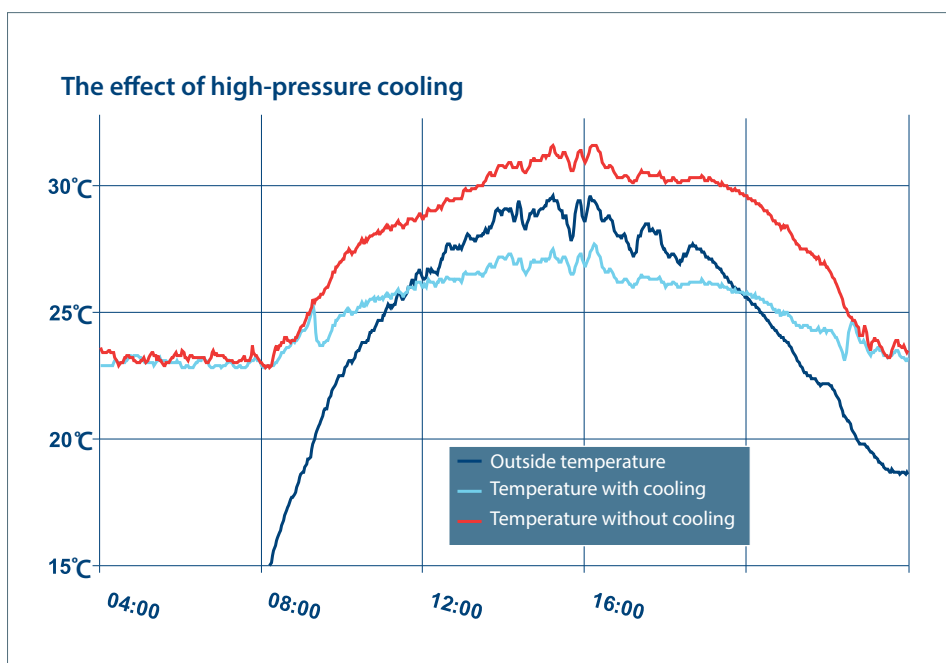
SKOV offers a high-pressure cooling system that ensures the right temperature and a better working climate in the livestock house. High-pressure cooling is a method for lowering the housing temperature that can be used regardless of which type of ventilation is being used. With high-pressure cooling, the livestock house is provided with a finely atomized water vapour, which cools the housing air. The water vapour can lower livestock house temperature with up to 5-6°C and the high-pressure cooling can be regulated using the house computer. The use and efficiency of high-pressure cooling depends on relative humidity.

More than just cooling...

In addition to using SKOV's high-pressure cooling for creating the right climate for the animals, the system can also be used for other purposes in the livestock house such as soaking, etc.

Soaking

Between batches, the high-pressure system can be used for soaking the livestock house. With the ventilation disconnected, the dense mist of water particles will quickly soak debris on various surfaces. Cleaning is therefore quicker and easier.



SKOV's high-pressure cooling can lower the livestock house temperature with up to 6°C.

Humidification, dust binding and improved working environment

The high-pressure cooling system can be used for both humidification and dust binding, where controlling these factors will improve the livestock house environment.

The working environment in the livestock house can also be improved using high-pressure cooling. SKOV's climate control includes a working environment function. The function increases both ventilation and high-pressure cooling activity at those times when there is staff in the livestock house, so that dust and gases in the housing air are reduced at the same time as the temperature is lowered.



A flexible high-quality system

Great importance was attached to quality and flexibility when SKOV's high-pressure cooling was being developed. The individual components are very reliable and produced in materials that ensure them long service life. The system is made from standard components that can easily be adapted to the individual livestock house.

Pumps guarantee cooling system efficiency

The SKOV cooling systems ship with a complete pump unit that is adjusted

to the individual facility. The pump is equipped with a filter that clears 95-98% of particles (1 my) from the water, ensuring the system a long service life. The pump can also be equipped with a phosphate filter and electronic calcium decomposers to reduce the level of lime and minerals in the water.

Pipes and nozzles

Only stainless-steel, acid-resistant pipes and joints with high durability and long life. The holes for the nozzles are made with special punch pliers after the piping

is fitted. The nozzles in the patented FlexClamp nozzle holders can be placed anywhere, allowing for optimum positioning above the air intake. The patented nozzles are equipped with a filter in front of each nozzle head, which reduces the risk of limescale. Furthermore, the nozzle heads are supplied with an anti-lime coating, which further reduces problems with lime deposits in the nozzle head. All nozzles are fitted with an antidrip valve.

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Dealer



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