



ERSTA

FOGGERS ERSTA FOG

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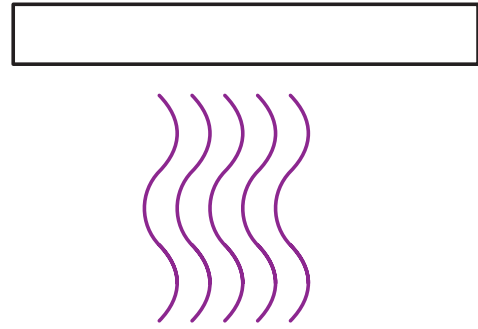
Optimise milk production | Lowering the temperature | Neutralise bad smells

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A high-pressure fogging station is very popular during the summer.

It should be noted that high-yielding dairy cows remain the most sensitive to heat stress. As a result, it quickly impacts on operating budgets. Indeed, the degree of heat stress suffered by the cow depends on the combination of environmental conditions. These include air temperature, relative humidity, air circulation and sunlight.

However, intermittent misting in barns, in combination with forced ventilation, is a very effective method. Moreover, it ensures optimal comfort for dairy cows during heat peaks. **The high-pressure misting system also reduces the temperature in the barn by several degrees and maintains it ideally.** Thus, the dairy cows benefit from a serene environment that is favourable to the expected production.



The operating principle of our misting system is to spray water through micron nozzles under the 70 bar pressure of a high-pressure piston pump. In this respect, the heat exchange (cold steam/hot air) operates almost instantaneously, which implies a consequent drop in ambient temperature and without wetting.

Finally, it is also possible to disinfect livestock buildings by injecting disinfectants into the misting station. A programmer and a dosing pump are integrated into the fogging station for controlled air treatment.

SYSTEM BENEFITS

Fogging helps to keep flies and other flying insects away so that the cows remain calm. It also freshens the air, removes dust, disinfects, improves milk production and removes odours such as ammonia.

Our control system consists of a water filtration system, a high-pressure pump that pressurises the water to 70 bar, and misting nozzles that project micro-droplets of water in the form of a mist, all without wetting, to increase the humidity and lower the temperature considerably.

Ultimately, the benefits of a fogger in the parlour or milking robot are considerable:

- ✓ **lowering the temperature for better comfort up to 20 %**
- ✓ hunting flies
- ✓ abate dust and other volatile particles
- ✓ disinfecting milking parlours or milking robot
- ✓ neutralise bad smells (ammonia and others)
- ✓ **optimise milk production up to 20 %**

Fogging control can be connected with the ERSTA management system, which collects data from sensors, evaluates them in real-time and then automatically turns the foggers on or off.

We will be happy to answer any questions you may have. Give us a call or send us an email.

ERSTA s.r.o.

Chlebov 77, 392 01 Soběslav
Czech Republic

+420 702 202 357
petrgondek@ersta.com
www.ersta.com

