

# HIGH-PRESSURE MISTING COOLING





# HQ-COMFORT FOG

**HQ-Comfort Fog Adiabatic High-Pressure Cooling** is used in various sectors such as livestock farming, horticulture, industry, and more. When drought is accompanied by prolonged high temperatures, animals, among other things, experience discomfort in the form of heat stress, which can lead to increased mortality. HQ-Comfort Fog is used to reduce ambient temperature and maintain the relative humidity to prevent heat stress and reduce mortality in animals.

**POULTRY:** Stress-free broilers will continue to eat and therefore grow, laying hens will maintain egg production, and breeding hens will be more active, improving the quality of eggs.

**PIGS:** The misting increases the appetite of farrowing sows, improving milk production. This, in turn, increases weaning weight, litter size, and speeds up the next estrus. Cooler conditions enhance libido, sperm count, and sexual development. Feed intake for pigs remains stable.

**CATTLE:** Cattle are susceptible to heat stress. Possible health issues that may arise include fertility problems, udder and hoof issues, lower feed intake, reduced milk production, and milk fever. By using the HQ-Comfort Fog, the productivity and health of your animals will be maintained.

**DUST SUPPRESSION:** HQ-Comfort Fog misting can be used to suppress dust formation. The misting system sprays ultra-fine water droplets with an average diameter of 6 microns, which can capture and suppress dust particles and/or other airborne material of <PM10, effectively helping to remove 0.1-1000  $\mu\text{m}$  inhalable dust particles from the air. These systems are used in barn ventilation, unloading areas, hopper workstations, conveyor belts, stone crushers, cement factories, recycling facilities, and more.

## **ADVANTAGES OF HQ-COMFORT FOG:**

1. All materials are made of stainless steel (mounting brackets, piping, fittings, and nozzles).
2. Nozzles are equipped with filters, reducing the risk of clogging and therefore minimizing maintenance.
3. We offer the option for automatic flushing using solenoid valves to prevent Legionella contamination.
4. If desired, products such as disinfectants, fragrances, etc., can be administered (optional).
5. Due to the high misting capacity (4.3 liters/hour at 20 microns), we can guarantee a rapid cooling effect using fewer nozzles compared to other systems.
6. Optimal cooperation and communication when integrating the misting system into your barn computer, thanks to our extensive knowledge in electronics.
7. Possibility for a DIY installation in collaboration with our team.
8. A detailed quote for materials and installation will be provided in advance.

We would be happy to explain all of this in person during a non-binding introductory consultation.



**HQ-LINE**  
clear in water solutions