



Spraying Systems Co.
Experts in Spray Technology



AUTOJET®

COW COOLING SYSTEM

HEAT STRESS RELIEF OF DAIRY COWS



www.spray.com

RIALS · CHEMICAL · ENERGY · **FOOD** · PAPER · PHARMA · STEEL · AUTOMOTIVE · BUILDING MATERIALS · CHEMICAL · ENERGY
COOLING · COATING · DRYING · DUST CONTROL · FIRE PROTECTION · HUMIDIFICATION · LUBRICATION · MINING · TANK CLEANING
· TANK CLEANING · SPRAY CONTROL · AUTOMATED · DISINFECTION · SPRAY LANCES · ACCESSORIES · **NOZZLES** · SPRAY GUNS

COW COOLING SYSTEM

DAIRY COW OVERHEAT PROTECTION AND STRESS RELIEF

Heat stress can take a toll on dairy cows, impacting their health, productivity, and overall well-being. Spraying Systems Co.® designed an effective **AutoJet® Cow Cooling System** specifically to provide effective heat relief, ensuring the cows remain comfortable, even during the hottest months.



WHY COOLING MATTERS //

Dairy cows are highly sensitive to heat, with their **ideal** environmental **temperature** ranging **between 4 and 16 degrees Celsius**. Both temperature and humidity levels play a significant role in determining the extent of heat stress a dairy cow experiences.

High temperatures can lead to:

- Milk fat depression
- Reduced fertility
- Increased health issues like dehydration, heat stroke, lowered immune system...
- General discomfort and stress, leading to lower overall performance
- Transition disease

HOW OUR SYSTEM WORKS //

Our precise cow cooling system creates an optimal environment for your dairy cows by soaking the skin and spraying large, low pressure droplets of water onto their back to prevent them from overheating. The cooling can take place on different locations on the farm, depending on the needs of the farmer.



SPECIFICATIONS



Low mounted nozzles

- ... are placed within reach of the cows.
- ... provide immediate soaking.
- ... are equipped with regular hex screw caps.

High mounted nozzles

- ... are out of reach of the cows.
- ... provide less immediate soaking.
- ... are equipped with Quick-Caps for easy maintenance.

Nozzles are placed every 6-8 feet or 1.8-2.5 meters on the pipe for optimal coverage.

Nozzles stop spraying after wetting the back of the cow to allow the water to evaporate prior to another cycle starting.

Checkvalves keep the line full in between cycles.

BENEFITS



- Fully automated
- Flexible and adjustable
- Increase milk production
- Easy nozzle maintenance
- Water saving
- Increase dry matter intake
- Enhanced cow comfort
- Reduce veterinarian costs

UNIJET® NOZZLES //

Our advanced UniJet® nozzles are precisely engineered to efficiently wet the cow's back using a 180° spray pattern of large, low-pressure water droplets. This hollow cone nozzle uses a whirlchamber to rotate the fluid and produce a circular spray pattern.

The TN version of this nozzle delivers an ultra-fine atomized spray using only liquid pressure, eliminating the need for compressed air. Additionally, the quick-connect nozzles stay attached to the pipe during maintenance, reducing downtime and making the process more efficient.





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WHY CHOOSE SPRAYING SYSTEMS CO®?

Choosing Spraying Systems Co.® means partnering with a leader in spray technology. With over 85 years of expertise, we are committed to delivering a high-quality solution that meets the evolving needs of your herd.

Our dedicated team of experts is here to provide support and solutions that are aligned with your specific requirements.



CONTACT US

Find out more about our spraying solutions by going to our website: spray.com/en-eu/

Do you have any questions or do you want more information?

Get in touch with one of our spray experts. They will provide you with the right information.



LANGUAGE SUPPORT

 info.uk@spray.com +44 1252 727200 //  info.de@spray.com +49 40 766 001 0 //  info.fr@spray.com +33 1 46 20 96 40

 info.es@spray.com +34 91 357 40 20 //  info.it@spray.com +39 02 38 34 181 //  info@spray.ae +971 4 326 7770

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Local representatives on www.spray.com or contact Info.EU@spray.com

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