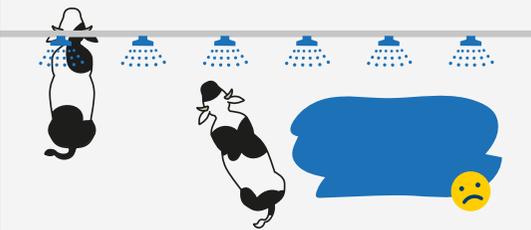


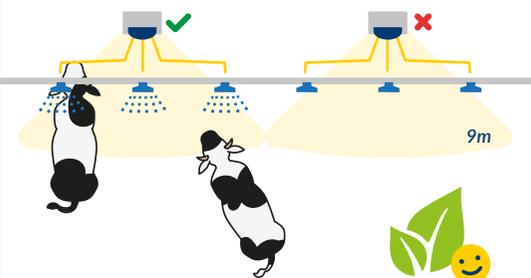
Coolibri supplies and installs low pressure cooling systems made with stainless steel pipes and brass sprinkler nozzles, for a professional and long-term solution.

Automatically activated by the Coolibri control devices, they integrate perfectly with the ventilation leaving the final user a complete timing parameterization and operating rates.

#### WITHOUT SENSORS



#### WITH SENSORS



NADIR.COM

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**COOLIBRI**<sup>®</sup>  
COOL ITALIAN AIR



# Sprinklers and Detection Sensors

## An ally against heat stress

Heat stress in dairy cattle causes difficulty to eliminate the heat deriving from the metabolism and leading into a loss of production efficiency and reproductive performance.

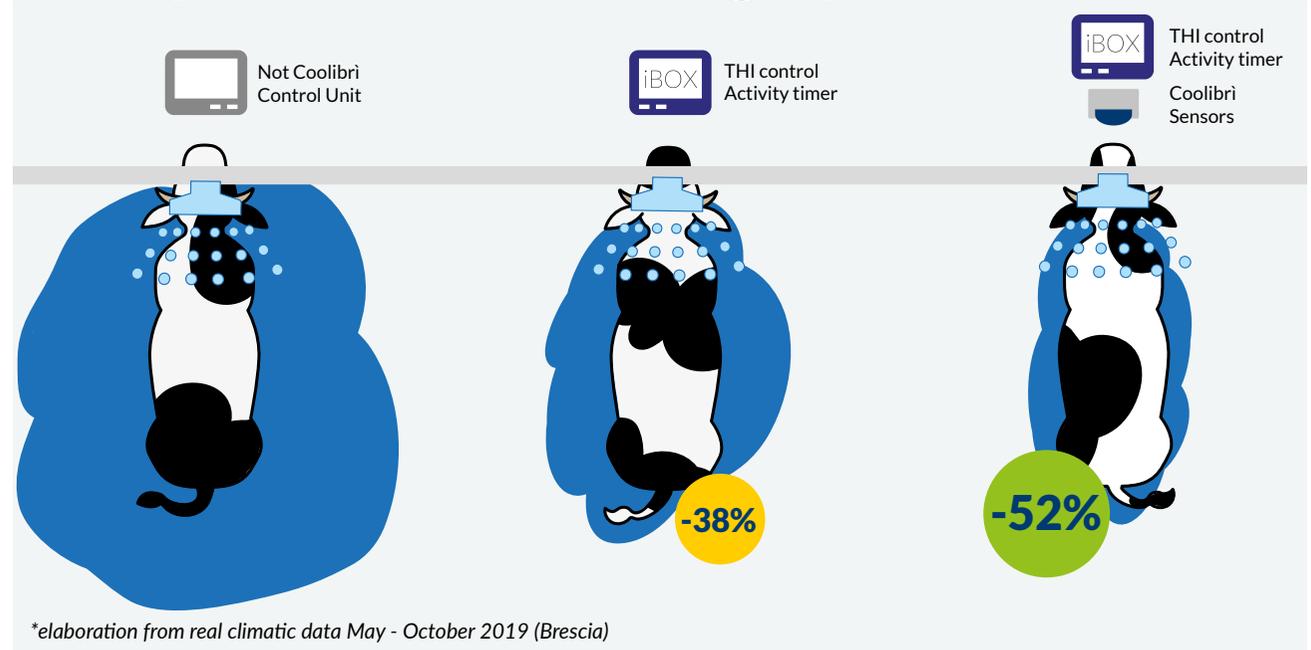
In order to help animals and dispose of the body heat in intense heat periods, in support of the ventilation the use of low pressure sprinkler cooling systems is recommended along the feeding lane and in the most critical congestion areas.



*The proper combined use of ventilation and cooling allows the water evaporation sprayed on the cow skin, with a relative lowering of the body temperature, a consequent improvement of wellness conditions and estimates of a 10% annual milk production increase compared to farms where cows are not adequately cooled.*

**Coolibri refreshing systems, thanks to their intelligent management and innovative engineering, are characterized by the high guaranteed water savings.**

## Comparison of cooling systems\*



A standard system keeps constant throughout the day the wetting duration and the pause between sprinklers.

A system with Coolibri control units allows:

- to decrease/increase the sprinkling according to the perceived stress (THI) variation and minimize consumption when less necessary;
- maximize savings through the use of presence detectors by limiting sprinkling only where needed;
- to exclude operating hours during milking and at night thanks to the activation timers.

The Coolibri sensor kit, through the use of presence detectors, maximizes savings by activating sprinkling only in areas where animals are stationed and therefore only where necessary.

*The comparison shows a 38% water saving by using only the Coolibri control unit and at least 52% if the system is completed with Coolibri sensors, appreciable not only in terms of costs but also for a more functional resource management without wasting energy and water!*

