

CROSS TUNNEL VENTILATION

The system is most suitable in regions with warm summers and mild winters. Tunnel ventilation is a negative pressure system suited for all types of livestock production.

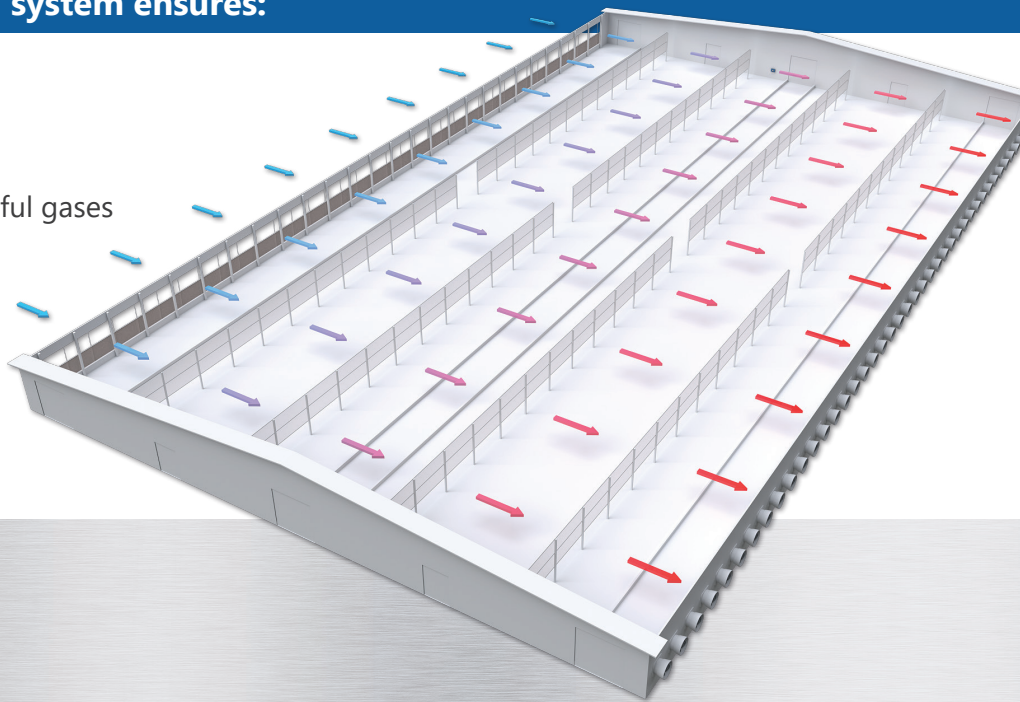
System

Cross tunnel ventilation is the best system to cool the cows using air velocity to maintain their productivity. Cross tunnel ventilation is the best tunnel option in large-scale barns to ensure even climate conditions in the barns. Cross tunnel systems have inlets along the entire length of the barn. This provides more evenly distributed air over a greater distance. The airflow in cross tunnel systems goes perpendicular to the feed lane and the air travels parallel to the stalls, which is expected to give better airflow in the stalls. To achieve a higher airspeed in the stalls without adding more ventilation capacity, a baffle system can be installed. Baffles installed above the stalls would increase the airspeed where the cows lie down.

- ➔ For additional cooling in extremely warm regions, a dedicated cooling system can be added to the ventilation system. We would recommend adding pad cooling or high-pressure cooling that reduces the incoming air temperature for better cooling, in combination with airspeed.

Secco's Cross Tunnel ventilation system ensures:

- Low initial costs
- Energy-efficient running cost
- Cooling through air velocity
- Removal of excess heat and harmful gases
- Efficient and easy climate control
- Healthy and productive cows



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