

# TUNNEL VENTILATION

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

## System

Tunnel ventilation is the best system to cool the cows using air velocity to maintain their productivity. We recommend this system where the barn's design is headed towards a longitudinal design. Some contributing factors to use this system include the size of the herds and cows traffic strategy. Fresh air is taken in through a tunnel opening at one end of the building, and the air is led out at the other end of the building. To achieve a higher airspeed in the barn without adding more ventilation capacity a baffle system can be installed. Baffles installed crosswise in the barn increase the average airspeed in the entire barn.

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

## Secco's 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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