Think
ahead with
poultry
people

ECO Unit

Mastering air control

Health and thus performance of poultry first and foremost depends on the quality of the air in the poultry house. A healthy climate is created by controlling the air flow inside the poultry house and bringing fresh air with the right temperature at bird level. The ECO Unit creates an optimal control for the climate in poultry houses in all weather conditions with minimal energy use and superior air quality!

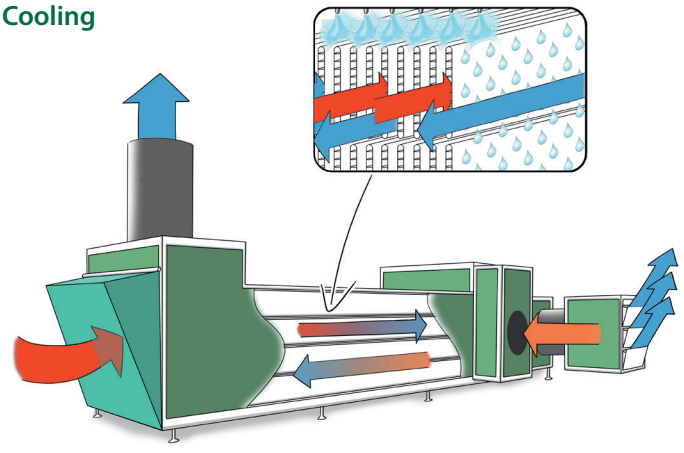
All weather conditions

In cold conditions, the ECO Unit is a heat exchanger that uses warm air from inside the house to heat up fresh air from outside. In warm conditions, water can be sprayed within the unit on the outgoing air, which causes evaporative cooling of the outgoing air. This also causes the incoming air to cool considerably without an increase in absolute humidity. At the same time, the ECO Unit reduces emissions of ammonia and fine dust.

Cleaning

Proper cleaning of heat exchangers remains a challenge. To make manual cleaning easier, all side panels of the ECO Unit can be removed very easily and the complete "heart of the unit" can be approached from all sides. As an option, there is also an automatic cleaning system that can be used while the ECO Unit is in operation and there is no interruption of the ventilation process. The ECO Unit keeps its maximum thermal efficiency without dirt blocking the airflow and heat transfer.

Cooling



- Optimal environment for birds and humans
- Improved bird performance
- Easy access for cleaning or automatic cleaning
- Easy Management
- Energy savings up to 70%