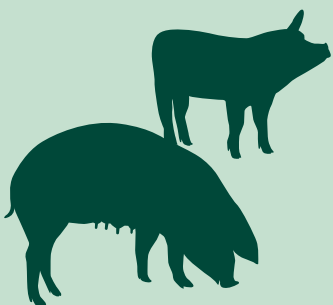




LUMINA 21 CLIMATE CONTROLLER

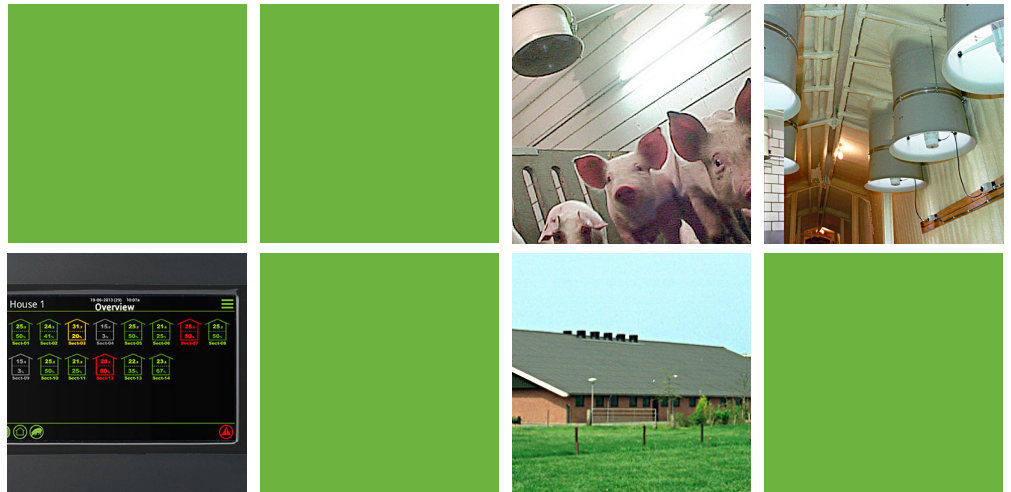
ONE CENTRAL COMPUTER
FOR 8 - 24 ROOMS

- Intelligent climate control
- Many extra control functions
- Easy to use



LUMINA 21 CLIMATE CONTROLLER

The LUMINA 21 is a control computer which control the climate in 8 - 24 rooms. No matter how large your pig barn is, one LUMINA 21 controller is sufficient for accurate and energy efficient climate control in all zones and rooms. The main features are the simple operation, large range of functions and the intelligent climate control.

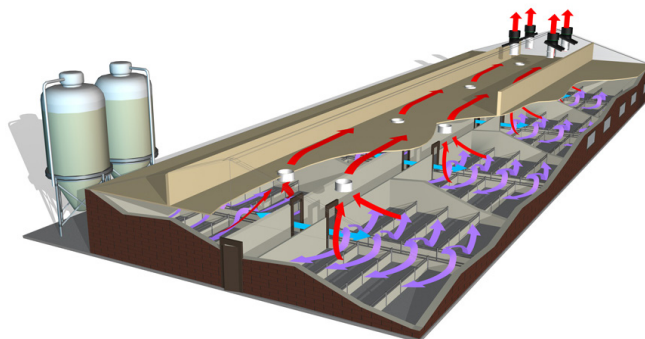


One central computer

- Choose the convenience of one central operating unit for the entire barn.
- The LUMINA 21 uses intelligent operating modules with temperature readouts for each room.
- The LUMINA 21 has extra inputs and outputs so that all the climate units in maximum 24 rooms can be directly connected to the computer.

Intelligent climate control

- Using Fancom's OptiSec™ Intelligent Ventilation Control, the controller uses a number of inputs to calculate the most effective settings for air inlet, air exhaust, heating and humidity or cooling.
- Energy-saving central exhaust based on optimal pressure or demand.
- Provide fresh air at the animal level with minimum energy consumption.
- The LUMINA 21 automatically compensates for outdoor conditions and seasonal influences.
- Ventilation based on the number of animals per cubic feet (m³) or in %.



Many extra control functions

- Intelligent central air control.
- Fancom's EasyFeed™ Feed Control gives insight in daily feed consumption.
- Extensive management data.
- Alarms warn of malfunctions.

Easy to use

- Large display with pictograms shows an overview of the entire barn at a glance.
- Controller display can be configured to display only the settings you use.
- The main data display for of all rooms can be accessed immediately using one key.
- Remote control possible using smartphone, mobile tablet or PC.

Operating Overview

Ventilation Concepts	
EasyFlow™	✓
NatuFlow™	✓
CentralFlow™	✓
Mixed air ventilation	✓
Central Functions	
Maximum number of rooms	24
Central ventilation curves	5
Central ventilation controls	4
Combi-control set points	20
Central heating control	4
Central registration groups	4
Central weather station	1
Outside temperature	1
Outside relative humidity	1
Central pressure control	✓
EasyFeed™ feed control	4
Per Room	
Ventilation zones	2
Temperature sensors	2
Relative humidity sensor	1
Carbon dioxide or ammonia sensor	1
Static pressure measurement	1
Heating control	4
Cooling	1
Air flow measurement (AM/ATM)	4
Separate vortex damper control	1
Combi-control set points	20
Controllable fan groups	1
Controllable ventilation groups parallel	3
On/off fan groups	5
Air inlet control	1
Air inlet control parallel	1
Extra inlet control	1
Universal clock function	1
Registration group (feed/water)	2
EasyFeed™ Feed Control	1
Signaling function	✓
Animal management	✓
Optisec™ automatic optimization	✓