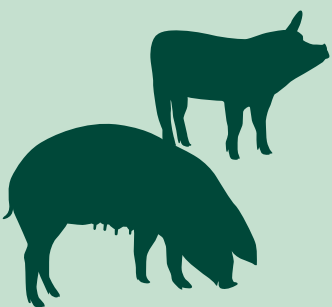# fancom®
forward thinking

LUMINA 20 |LUMINA 21
CLIMATE CONTROLLERS

ONE CENTRAL COMPUTER FOR 8 - 24 PIG SECTIONS

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

LUMINA 20 | LUMINA 21 CLIMATE CONTROLLER

The LUMINA20 and LUMINA21 are control computers which control the climate in 8 - 24 pig sections. No matter how large your house is, one LUMINA20 or LUMINA21 controller is sufficient for accurate and energy efficient climate control in all sections. The main features are the simple operation, huge number of functions and the intelligent climate control.

One central computer

- Choose the convenience of one central operating unit for the entire house.
- The LUMINA21 uses ITM operating modules with temperature readouts for each section.
- The LUMINA20 has extra inputs and outputs so that all the climate units in 8 - 10 sections can be directly connected to the computer.

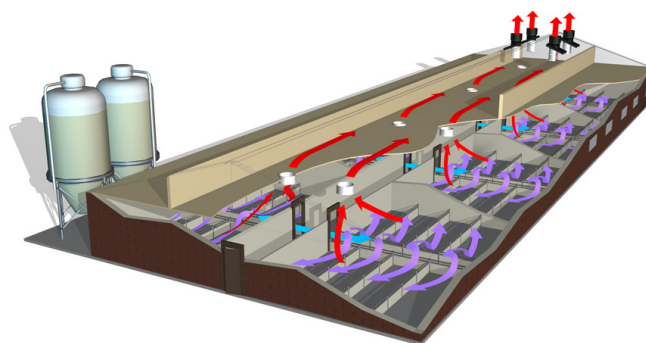## Intelligent climate control

- Using OptiSec™, the controller uses a number of basis settings to select the most effective settings for air inlet, air exhaust, heating and humidity or cooling.
- Energy saving central exhaust based on optimal pressure or demand
- You can always be sure there is enough fresh air at animal level with minimum energy consumption.
- The LUMINA21 automatically takes the outside conditions into account and compensates for seasonal influences.
- Ventilation based on animal weight in m3 or in %.

Many extra control functions

- Intelligent central air control
- EasyFeed™ feed control gives insight in daily feed consumption
- Extensive management data
- Signals warn of malfunctions.

Easy to use

- Large display with pictograms shows an overview of the entire house at a glance
- Customised, so only the settings you use will be displayed
- The main data of all sections can be accessed immediately using one key
- Remote control possible using your smartphone or PC.

Operating Overview

Ventilation concepts	
EasyFlow™	√
NatuFlow™	√
CentralFlow™	√
Mixed air ventilation	√
Centrale functions	
Maximum number of sections	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 RH	1
Central pressure control	√
EasyFeed™ feed control	4
Per section	
Ventilation zones	2
Temperature sensors	2
RH sensor	1
CO2 or NH3 sensor	1
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
Signalling function	√
Animal management	√
Optisec™ automatic optimisation	√