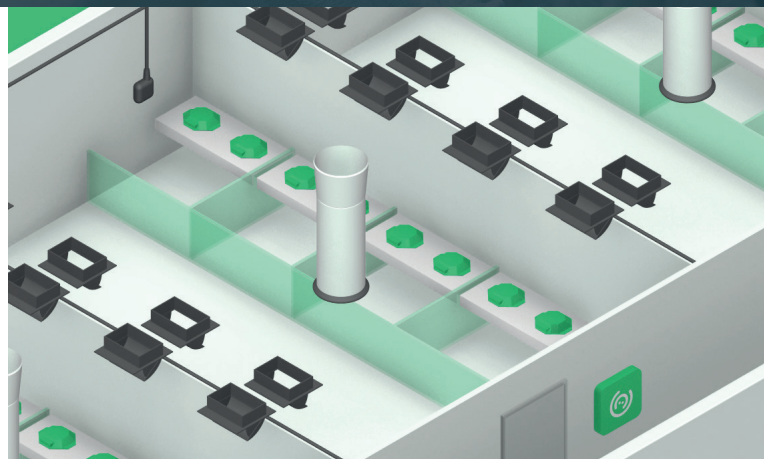


Intelligent Heating Control

- ✓ Lower mortality rate as the pigs are kept under the canopy
- ✓ Short ROI and up to 70% lower energy consumption**
- ✓ Better growth and higher weaning weight
- ✓ Can be used with existing heat lamps
- ✓ Temperature monitoring 24/7

An automated heating system for weaners that optimises the piglets microclimate.

The infrared sensor measures the pigs' body temperature under the cover, and the output of the heat lamps is continuously adjusted to maintain the pigs' optimal temperature. With RIKA Climate's intelligent heat lamp control and rubber mats, other heat sources are no longer required.



SYSTEM CAPACITY

Energy consumption: Approx. 8,5W per pig (farrowing)/8-10W per weaner

Pigs in farrowing pens: 0,5 kg to 7 kg

Weaners: 5 kg to 30 kg

TECHNICAL COMPONENTS

Control methods:

- 1: Heat lamp controllers and the RIKA Climate climate computer 108 with VE-BUS communication and Farmviewer*.
- 2: Stand-alone heat lamp controllers, without VE-BUS communication.
- 3: RIKA Infra heat lamp as a stand-alone unit without VE-BUS communication, with accompanying NFC app.

IR sensor (infrared): The IR sensor are installed on the cover, which measures the surface temperature of the pigs/animals. When selecting the Infra Heater, the IR sensor is integrated into the lamp's control system.

Heat source: RIKA Classic heat lamp 150W-230V (when heat control VE121/VE122 is selected), RIKA Infra heat lamp 150W-230V (stand-alone)

TECHNICAL SPECIFICATIONS

Supply voltage: 230V AC

Measuring range (IR): 0°C up to +50°C (+/-0,5°C)

Communication: VE-BUS communication or NFC

Protection class: IP 65

OPERATIONAL FUNCTIONS

Resting mode (Low activity): When sensors detect that the animals are resting and the temperature is below the set point, the heat source is switched on to maintain body heat.

Ventilation mode above the setpoint (high activity or empty pen): If the temperature under the cover rises above the setpoint, or if the animals become too warm, the heat source is reduced.

Safety: Automatic temperature monitoring 24/7

* Optional extras

** Based on several tests carried out in Denmark

