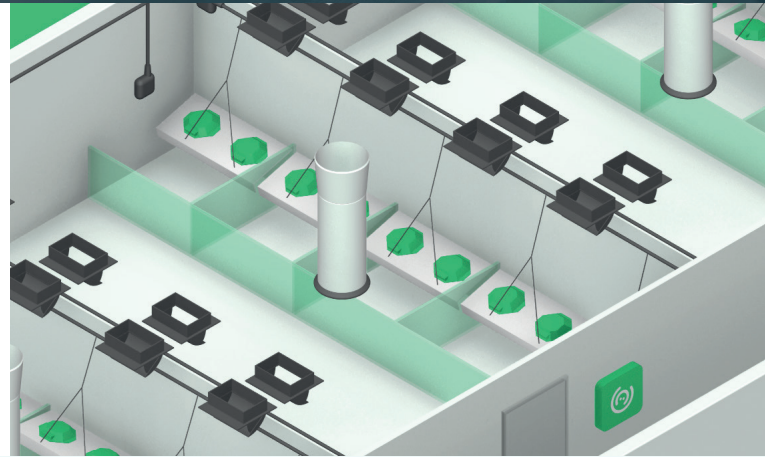


Intelligent Canopy

- ✓ Creates a better microclimate and improves welfare
- ✓ Helps to ensure optimal temperature of the pigs
- ✓ Precise positioning of the canopy cover
- ✓ An ergonomic solution for employees
- ✓ Provides a better overview of the pigs

Automated control system for weaner stables that optimizes the microclimate for the piglets.

IC and IHC create a better microclimate in the area where the piglets are kept, using RIKA Climate's intelligent control system. The infrared sensor measures the piglets surface temperature, allowing the cover and heating to be adjusted continuously so that the piglets optimum temperature is maintained at all times.



SYSTEM CAPACITY

Estimated consumption:	8-10W per pig (up to 45 pigs per pen)
Weaned piglets (piglets):	from 5 kg. to 30 kg.

OPERATIONAL FUNCTIONS

Resting mode (low position): During periods of inactivity and the temperature is below the setpoint, the cover is lowered to the minimum height and the heat source is activated.

Ventilation mode (regulation): When the temperature exceeds the setpoint, the heat source is reduced and the cover is gradually raised to increase air exchange and reduce humidity.

Activity mode (high position): The cover is raised to its highest position during feeding, cleaning or periods of high activity to allow free access and maximum ventilation. This is activated automatically when the animals no longer require heating and the temperature is too high, or manually via the 'open' button on the control panel.

Activity mode (regulation without a heat source): If the temperature is too high or the animals are warm, the cover is raised gradually to increase air exchange and reduce humidity. When the animals are detected to be resting and the temperature is below the set point, the cover is lowered to the minimum height to retain body heat.

Safety: Emergency opening in the event of a power failure or system error ensures, via a battery-powered backup, that the cover moves to the safety position (fully open) or remains in its current position, as required. Load control stops the actuator if resistance is detected.

* Optional extras

TECHNICAL COMPONENTS

Control unit: RIKA Climate 108 with VE-BUS communication and Farmviewer*

IR sensor (infrared): Non-contact sensor installed on the cover, measures the animals' surface temperature.

Actuator/Motor: 24V DC linear actuator with built-in position feedback.

Wire system: Stainless steel wire and cable for maximum durability in corrosive environments.

Heat source: RIKA Classic heat lamp 150W- 230V or finned tube

TECHNICAL SPECIFICATIONS

Supply voltage:	230V AC (power supply) / 24V DC (actuator)
Measuring range (IR):	0°C up to +50°C (+/- 0,5°C)
Adjustment range:	400 mm – 1200 mm (stepless)
Communication:	VE-BUS
Protection class:	IP 65

