

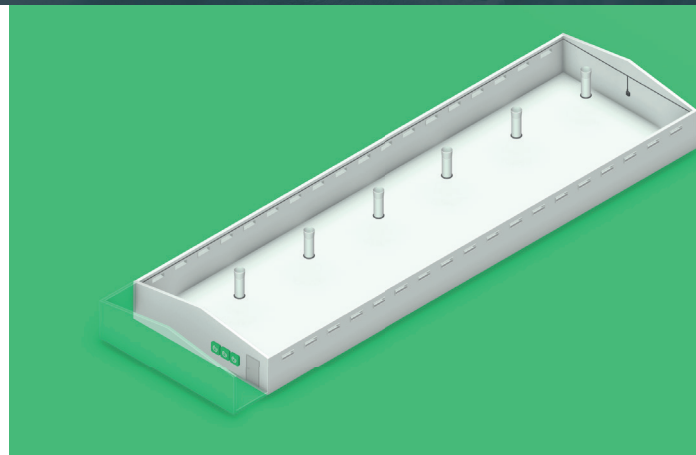
Wall Ventilation

- ✓ Stable temperature and air quality for the pigs all year round.
- ✓ Draught-free indoor climate with high animal comfort
- ✓ No unintended heating of the supply air
- ✓ Optimization of operation via advanced control
- ✓ Alarm system with battery backup for emergency opening

Negative-pressure ventilation with wall inlets and chimney exhaust system.

The WV has been developed for temperate climates and can be adapted to most types of stables.

The WV supplies fresh air via wall inlets. At low outdoor temperatures, the air is mixed with the stable air before it reaches the pigs' living area, ensuring a stable and draught-free indoor climate.



SYSTEM CAPACITY & AIR EXCHANGE

Max. airflow (summer):	150 m³/h per pig (From 100 Kg)
Min. airflow (winter):	15 – 20 m³/h per pig (slaughter pigs/sows)

EXHAUST UNITS (FANS)

Type:	650/730/820/920 roof fans (high-efficiency IE3 AC-motors)
Diameter:	ID650/OD730, ID730/OD810, ID820/OD900, ID920/OD1000
Max. capacity:	12.400/16.000/20.000/25.000 m³/h
Motor efficiency:	0.75 kW to 1.1 kW per fan
Control:	Frequency control 3x230V (0-100% reg.) or ON/OFF 3x400V
Protection class:	IP 55

AIR INLETS (WALL INLETS)

Type:	VE135-VFR/VE135-ER wall inlet
Mounting dimensions:	670 mm x 290 mm
Opening:	Automatically controlled from 0 to 300 mm (depending on actuator)

CONTROL AND AUTOMATIC REGULATION SYSTEM

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

Control options: Temperature °C (measured indoors/outdoors), Relative humidity RH*, CO₂ level*

Functions: Curve and age-controlled ventilation, Automatic summer/winter mode, Alarms in the event of a power failure or incorrect temperature, Alarm system with battery back-up for temperature-controlled emergency opening

OPERATING CONDITIONS

Measured static pressure:	-5 to -10 Pa
Relative humidity (RH):	60 – 70%
Temperature zone:	15 – 25°C (user-defined/depending on outdoor temperature)

* Optional extras

