

## H21 - Temperature strategy



Location of sensor



Cover of temperature sensor

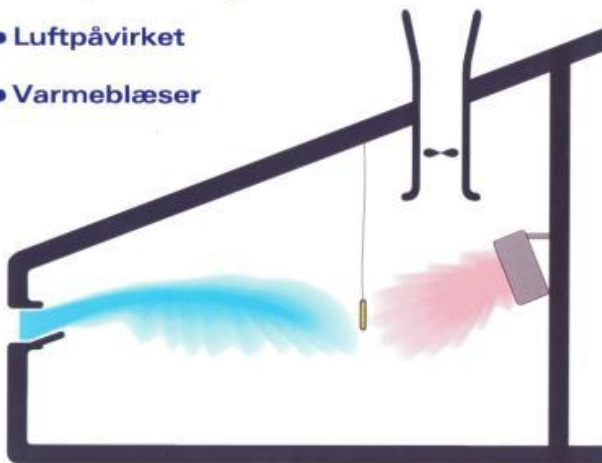
### Choice of temperature strategy depends on the design of the facility and ventilation principle

1. Place the temperature sensor in a representative spot in the facility and as close to the animals as possible. Remember, always have pigs under the sensor in the pen.
2. If the temperature sensor is influenced by a heat source or air intake, the sensor may be covered in a PVC tube or similar device.
3. Place the outdoor sensor on the north side of the building and as close to the roof overhangs as possible to hinder solar influence.



### Følerplacering

- Luftpåvirket
- Varmeblæser



### Be aware of

- The temperature sensor in the facility is not directly affected by a heat source or air intake.
- In special cases (buildings that are not situated directly east-west), the outdoor sensor can be covered by, for instance, a plate to avoid solar influence.

## Additional comments - Temperature strategy

### Examples of temperature strategies

Weaners, partially slatted floor

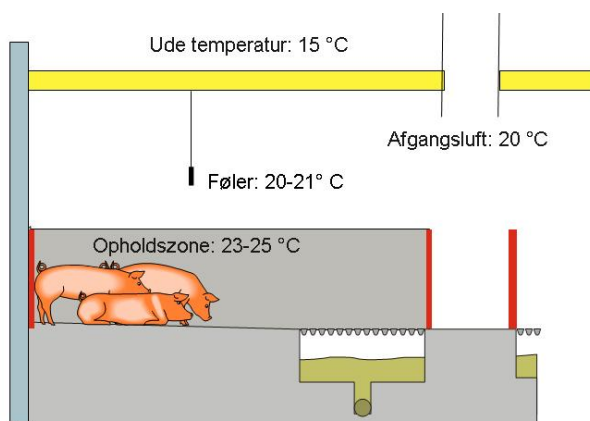
Weight, kg	7	10	14	18	21	25	30
Diffuse air intake, ° C	22 - 24	22	21	20	19	18	17
Radiant ventilation, ° C	23 - 25	23	23	22	21	20	20

Finishers, **partially slatted floor**

Weight, kg	25	30	40	50	60	70	80	90	100
Diffuse air intake, ° C	18	17	16	16	15	14	14	13	13
Radiant ventilation, ° C	20	20	19	18	17	16	15	15	15

Finishers, **fully drained floor**

Weight, kg	25	30	40	50	60	70	80	90	100
Diffuse air intake, ° C	20	19	18	18	17	16	16	15	15
Radiant ventilation, ° C	21	20	20	19	19	18	18	18	18



It is important to be aware of temperature conditions in the facility and the pen when deciding on temperature strategy and settings.

At an outdoor temperature of 15° C and with a standard ventilation system, the temperature of the exhaust air and by the sensor will normally average 20° C. The temperature in the pigs' activity area will be somewhat higher. In diffusely ventilated facilities, the temperature is typically 3-5° C higher in the pigs' lying area than when recorded by the door. The more closed the inventory, the higher the temperature. It is easy to record the temperature in the pigs' lying area with an infra red thermometer. Record the temperature on the pen side just above the pigs.