

H22 - The mechanical function of the ventilation system



1 + 2



3 Ceiling inlet does not shut



6 Completely open wall inlets



7 Air baffle plate set incorrectly



7 Secured baffle plate

Check the settings of the system by changing the desired temperature on the controller.

1. Note the temperature that the system was set to (to be able to reset it).
2. Set the desired temperature to, for instance, 25° C.
3. Check that air intake and outlet damper shut.
4. Check that the ventilators work on the set minimum (listen) - they must never come to a complete stop!
5. Set the temperature to, for instance, 12° C.
6. Check that air intake and outlet damper open.
7. Check the setting of the baffle plates of the wall inlets.
8. Check that the ventilators work on maximum.
9. Check for mechanical errors if damper and/or ventilators do not function as desired.



6 - NOTE damper does not open fully

Additional comments - The mechanical function of the ventilation system

- 3.** When additional air intake via ceiling inlets is employed, the inlets must shut completely when they are not in use. Even small cracks may cause a draught in the pen. The entire minimum ventilation may also be taken in via a few inlets due to false air intake, and this may reduce the air quality in some areas of the facility.
- 6.** The exhaust damper must regulate automatically. Airborne dampers are dangerous in case of power failure as the system will shut down and there will be no natural ventilation.
- 7.** The baffle plates of the wall inlets are moved during wash of the facility. Use a spacer to retain the baffle plates.