

Seeing at a glance if the heat recovery system
is working correctly and without error!

KONVEKTA HEAT RECOVERY CONTROLLER WITH AUTO-REPORTING *plus*

The new generation of heat recovery operations monitoring

Auto-Reporting^{plus} guarantees the permanent operations monitoring of the high-performance heat recovery system. Malfunctions are automatically detected, analysed, reported and graphically displayed.

The purpose of every heat recovery is an optimum net energy recovery and thereby at the same time optimum operating cost savings during the whole lifecycle of the system. The prerequisite is an optimal and failure-free operation of the system. Installation flaws, software mistakes and incorrect set-point values in the control system have to be detected.

Comprehensive information at a glance

The increased use of electronics and software leads to a higher complexity. It is therefore important that the owner obtains safe and easy to interpret information at all times about the operating conditions as well as about possible malfunctions. With the new visual operations monitoring with auto-reporting plus, all important data is graphically displayed on the internet (password protected) or on the display. Thanks to the clear illustration of all important parameters and characteristics, it can be evaluated at a glance if the high-performance heat recovery system is functioning optimally and the guaranteed performance is being met.

Operations monitoring

With every heat recovery system it has to be anticipated that malfunctions will occur after years. There is a risk that irregularities are not detected correctly, too late or not at all. The KONVEKTA HEAT RECOVERY Controller notices deviations from the set-point value early and reports them automatically to the user with the help of a message to the building automation and/or e-mail or SMS respectively. Simultaneously, the cause of the malfunction is analysed and commented.

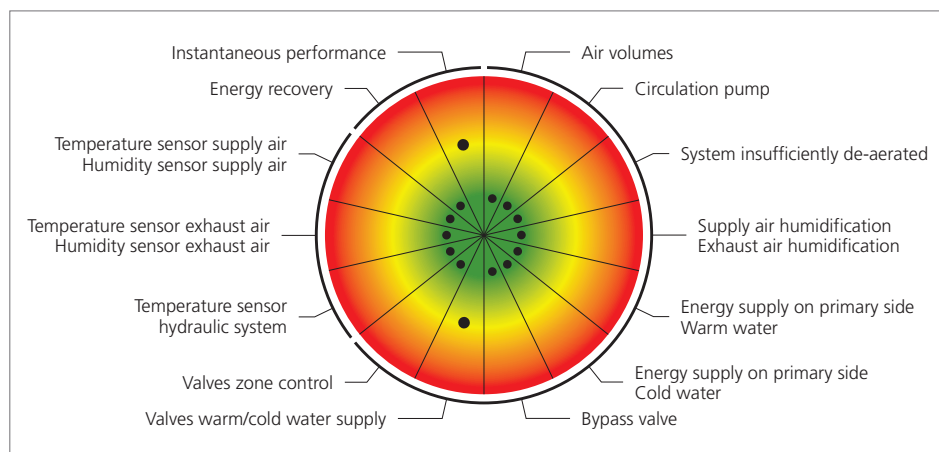
Maintenance intervals

The KONVEKTA HEAT RECOVERY Controller with Auto-Reporting^{plus} also reports to the owner when maintenance is due, e.g. service interval of the heat recovery pump or periodical inspection of the glycol/water mixture.

The advantages of Auto-Reporting^{plus}

- Comprehensive information at a glance if the system is functioning optimally and without error and the guaranteed performance is being met
- Permanent and automatic operations monitoring
- Automatic malfunction detection also of upstream or downstream systems such as energy supply on primary side or functioning of the supply air or exhaust air humidification
- Short downtime in case of malfunctions thanks to automatic analysis of the cause of the malfunction and therefore optimum operating cost savings
- Quick reaction time thanks to automatic report of malfunctions
- Automatic notification if service intervals for pumps or the periodical inspection of the glycol/water mixture are due

The KONVEKTA HEAT RECOVERY Controller with Auto-Reporting^{plus} ensures high safety in operation and a permanent optimal operation with maximum operating cost savings. Simultaneously, the effort of the owner is minimized.



In case of a slight malfunction, the dot moves from the green to the yellow zone. The owner receives the corresponding report. In case of a serious malfunction, the dot will be located in the red zone (alarm report).

Picture: Control valve cold water supply untight

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