

REDUCING COSTS QUICKLY AND EASILY



rECOBox 1 VENTILATION

Economical operation of
old ventilation systems



SMALL BOX FOR GREAT EFFECT – SAVING COSTS IN THE LONG TERM WITH rECOBox 1

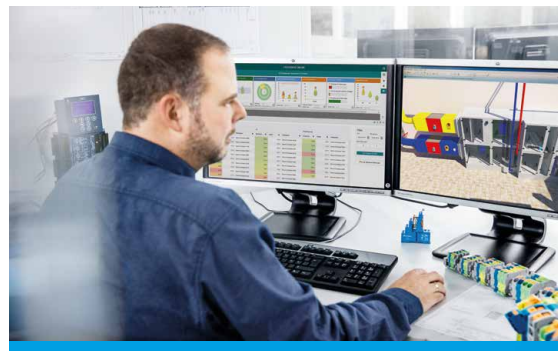
Highly economical investment

Continuous operation		20 % reduction	50 % reduction
Runtime	8,760 h/a		
HVCA system performance	2 x 10 kW = 20 kW		
Price per kWh	€ 0.25 /kWh		
Operating costs	€ 43,800 p.a.		
Annual saving		€ 8,760	€ 21,900

In existing plants, huge and inefficient fans with high running times and energy consumption are frequently in operation which cause considerable energy costs. With our rECOBox 1 Ventilation you can reduce these costs significantly with a minimum of installation effort. Even with a conservative calculation the investment will pay off after (only) a few months. The sample spreadsheet shows the saving potential for the overall runtime of an existing ventilation system with 20 % or 50 % for systems with continuous runtime.

With total costs of about € 3,000 the investment will already pay off after half a year, if not sooner.

The box includes the rECO-S-RLT control device and will release or block the ventilation system if required. A connection of remote data transmission via Wurm gateways enables analysis and evaluations via FRIGODATA ONLINE.



RANGE OF FUNCTIONS OF rECOBox 1: VENTILATION

Our retrofit solution for optimised operation of existing ventilation systems

- ▶ Shutdown of HVAC system if room temperature and air quality are good
- ▶ Release in case of heating, cooling or fresh air demand
- ▶ CO₂-conducted control of air quality in daily operation
- ▶ Adjustable set points for day and night
- ▶ 1 push button for short-term ventilation
- ▶ Integrated weekly timer with holiday calendar
- ▶ Temperature control
- ▶ rECO-S-RLT control device is preprogrammed by factory
- ▶ Connection of remote data transmission possible via WURM Gateway
- ▶ Analysis and evaluations via FRIGODATA ONLINE
- ▶ 2 room sensors and 1 high-quality CO₂ sensor included



ADVANTAGES OF rECOBox 1 VENTILATION AT A GLANCE

- ▶ Significant reduction of high energy costs in existing ventilation systems
- ▶ Amortisation usually after less than 6 months
- ▶ Easy installation – the box is completely wired up and ready for operation
- ▶ Release of the ventilation according to air quality, temperature and opening time
- ▶ Overall runtime can be reduced by between 20 % and more than 50 %
- ▶ Power supply (230 V~ / 16 A) from electrical sub-distribution
- ▶ The rECOBox can be used as an independent system without data connection
- ▶ If the object has a Wurm Gateway with XP technology, it can be used for remote data transmission.
- ▶ Full data transparency, easy evaluation and fast action with FRIGODATA ONLINE

The GTM rECOBox range



rECOBox 1 Ventilation



rECOBox 2 Air Conditioning



rECOBox 3 Air Curtain



Order online now at:
www.gtm-online.de/en/recobox



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