

PRESS RELEASE

KONVEKTA AG

Topic: Bus air conditioning

Busworld 2017: Busworld 2017 - Konvekta transforms your future

Refrigerant CO₂ – Benefit for environment and budget

At this year's Busworld in Belgium Konvekta AG – **inventor of the refrigerant CO₂ for commercial vehicles** - sets the focus very clearly on electromobility – with the Konvekta CO₂ Heat Pump 2.0. The new **Konvekta** climate control concepts **in hall 6 stand 604** are ecologically valuable, sustainable and efficient.

The Konvekta CO₂ Heat Pump 2.0

The ideal thermal management for electric buses.

Running on the refrigerant CO₂ this heat pump is unique in its function and mode of operation. The new system – with a thermal efficiency (COP) of over 4 – saves 98% of the annual fuel consumption for additional heating. The range of the e-bus increases by 40% and the service times decrease by more than a half.

A further advantage is the high flexibility of the system. The new energy storage modules of the Konvekta CO₂ heat pump provide heating and cooling at the same time. This means for example that the batteries can be cooled while the passenger compartment is heated. This allows that any requirement profile to the thermal management can be met – independent from the vehicle characteristics or charging features. The new Konvekta CO₂ heat pump 2.0 is a **MUST** for innovative, forward-thinking and ecologically oriented transport companies.

TAURUS - impressive, powerful and reliable

Konvekta presents at the Busworld an entirely new and fresh line - *TAURUS*.

This new air conditioning unit has been developed especially for challenging applications. Even the most extreme climate conditions are mastered by this desert and tropic proof system. The robust design and high efficiency make *TAURUS* to a reliable partner in the bus and coach sector.

With its modern design and its high performance variety in all climate zones *TAURUS* rounds off the product portfolio of Konvekta AG.

KL20E – high performance – little service

Regarding its dimensions this is the smallest roof top compact unit in the product range of the thermosystem manufacturer Konvekta. Beside the small and compact size this product is optically attractive, powerful and provides best mounting and service features. During service the cover of the air distribution panel can be removed within seconds just by opening the quick fasteners. Due to this quick and easy access to the bus interior the air filter can be replaced within a few minutes. The total installation time of the KL20E is just max.3 hours – also in retrofitting.

Konvekta Climate Control

The core of every thermal management

Creating a climate - performance-oriented for the driver, comfortable for the passengers and specifically tailored to the design characteristics and usage of the bus – these are exactly the requirements for which Konvekta presents its range of modern and sophisticated climate control solutions at the Busworld. The intelligent control units connect single components to an efficient and smoothly functioning air conditioning system. Via an intuitive interface you create a perfect feel-good climate, entirely adjusted to the needs of passengers and driver.

About Konvekta

Konvekta AG is a global operating manufacturer of innovative and pioneering climate systems for buses, construction and agricultural machinery, electric as well as rail and transport refrigeration vehicles. Konvekta discovered R-744 (CO₂) as refrigerant for bus air conditioning units and simultaneously invented the first mobile climate system operating with R-744. Founded in 1957 and located in the North Hesse city Schwalmstadt, the family owned company Konvekta represents more than 60 years of experience and know-how in the air conditioning and refrigeration sector. Due to the global presence on key markets Konvekta guarantees flexibility, an excellent proximity to customers and a large service network.

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