

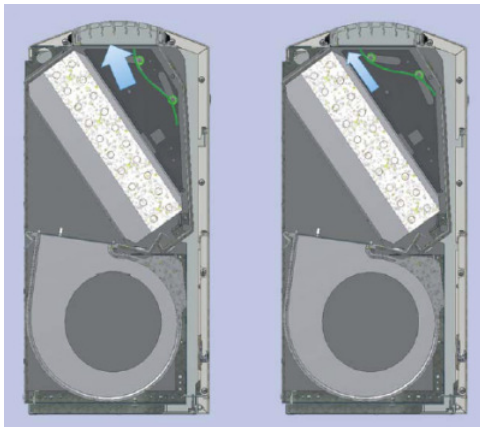
Efficiency in food and energy processes

Efficiency increase as a result of EC fans and controlled air outlets

GEA fan coil units even more energy-efficient

The highly versatile fan coil units from the GEA Cassette Geko and GEA Flex-Geko ranges are now equipped with high-efficiency EC motors that enable continuously variable and quiet operation of the fans. In combination with the GEA MATRIX control system, more exact control of room-air temperature is now possible, since the system can react to temperature deviations with exactly matched fan speeds. In the same way, these systems reliably compensate for fluctuating temperatures in the heating and cooling media. In comparison to conventional AC motors, EC motor technology enables appreciably lower losses. From the standpoint of cost efficiency, this results in reduced heat development and considerably lower electric power consumption by the EC motor (up to 75 % less).

The GEA Flex-Geko furthermore assures comfort-optimized air-outlet speeds as a result of the controlled GEA Drive air outlet. The GEA MATRIX control system uses a special algorithm to make optimal settings for the GEA Drive unit. This enhances air flushing of a room, especially at low fan-speed stages and prevents short-circuit air flow as well as uncomfortable drafts. An additional plus: exploitation of the Coanda effect at the walls and ceiling assures that the system provides a continuous curtain barrier – e.g., in front of windows. Intelligent air guidance enables this effect, even with small air flow.



With GEA Flex Geko fancoil units, GEA Drive assures optimal air flow, even with low air volumes.

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About GEA

GEA Group Aktiengesellschaft is one of the largest systems providers in the food and beverages industries and in energy production. Group sales in 2010 were more than 4.4 billion euros. As an internationally active technological enterprise, GEA Group has concentrated on process engineering and components for demanding production processes in a wide range of end-user markets. The Group generates around 70 % of its sales in long-term growth industries for food, beverages, and energy. As of 31 December 2010 the Group internationally employed more than 20,000 staff. In its business areas, GEA Group is among the leading companies on the market and in technological developments. GEA Group is listed on the German MDAX stock index (G1A, WKN 660200).