

efficiency in food and energy processes.

**GEA at SHK Essen 2010: the Trade Fair for Sanitation, Heating, Air Conditioning, and Renewable Energies**  
10 to 13 March 2010, Hall 3.0, booth 144

## Connection kit enables split HVAC combinations of GEA and Mitsubishi units

Herne, Germany, March 2010 – The connection kit PA-CIF0xxB-E allows operation of a large number of GEA heat-exchanger types with Mitsubishi P-Series units. For example, interfacing Mitsubishi Electric outdoor heat pumps is now possible without their heat-pump system Ecodan. It is especially in the restoration of old buildings that such a solution can be most effective, since it enables further use of existing units such as storage and pumps. Here, the outdoor units are simply integrated into existing systems via the interfaces of the connection kit (IF011B-E or PAC-IF021B-E).

With this connection kit, heat pumps or split outdoor units can be operated in combination with ventilation systems, air curtains, and many more systems. The kit consists of a controller box with a special circuit board with microprocessor control, as well as two temperature sensors. The controller box is connected to the outdoor unit via a control interface, and performance setpoints can be managed on eight levels, from 30 to 100 %, by means of a great number of external signals. Likewise possible are settings such as heating and cooling modes and compressor shutdowns.



Use of the connection kit with a ventilation system

## GEA Heat Exchangers

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### **Press Relations and Public Affairs:**

GEA Air Treatment Services GmbH – Ms. Annette Wille  
Suedstrasse 48 – 44625 Herne, Germany  
Tel.: +49 (0)2325 468 206 - Fax: +49 (0)2325 468 401  
annette.wille@geagroup.com - www.gea-airservice.com

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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 2008 were approximately 5.2 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 30 September 2009 the Group employed more than 20,000 staff, who are accessible to customers in 50 countries. In 90% of its business areas, GEA Group is among the leading market and technology companies. GEA group is listed on the German MDAX stock index (G1A, WKN 660200).