

Efficiency in food and energy processes

Heat-exchanger portfolio expanded with the GG range

Corrosion safety in drinking-water segment

Drinking water is not all the same – hardness varies, and the content of trace elements differs. Above all, salts play a major role. They corrode, and they can – depending on their content – cause the seams of brazed plate heat exchangers to deteriorate. GEA offers, in its newly developed GG range, an effective alternative. These plate heat exchangers contain no non-ferrous metals and are therefore not subject to corrosion. They combine the benefits of sealed and brazed equipment.

The GG range features the innovative BoxFrame concept. This involves a closed box frame made of steel that does not come into contact with the medium. The direct introduction of forces by the clamping bolts enables small profile cross-sections to be constructed. This plate heat exchanger is fitted with a stainless-steel plate package combined with FDA-listed NBR seals. These seals provide dual separation of the port area and prevent a mixture of the media that flow toward each other.

The plate design creates a highly turbulent flow pattern and increases the pressure resistance of the units. This leads to optimal heat transfer, even with low volume levels. The extremely compact design and the low weight of these units reduce the material required, as well as costs and footprint. These plate heat exchangers are designed for a temperature range of -20 to +110 °C, and are available in the two model sizes GG 240H and GG 500H, as well as in the two pressure stages 10 and 16 bar.



The new GGT range was developed especially for drinking-water applications and features the innovative BoxFrame concept.

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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).