

GEA Searle gas coolers for transcritical and subcritical CO₂ systems

Bochum (Germany), October 2012 – GEA has developed a new series of condensers especially for employment in transcritical CO₂ systems. They are designed for gas pressures up to 120 bar and offer various structural characteristics to enable effective operation under high temperatures and pressures. For example, the heat exchanger bundles have expansion gaps, and the tubes have been extended to increase system durability. Since the extremely high gas-inlet temperatures encountered here give rise to the risk of great thermal stresses, the heat exchanger fins have been segmented to reduce the mechanical burden on the heat exchanger and increase the thermal performance. Leak and strength tests take place before delivery, which assures great operational safety and reliability.

The range of gas coolers is extensive enabling the tailoring of units to meet the exacting specification of our customers needs. Units are available with multiple bundle configurations with fan diameters ranging from 630 to 990 mm with high efficiency EC models available.



Searle gas cooler

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About GEA Group

GEA Group Aktiengesellschaft, one of the largest suppliers of process technology and components for the food and energy industries, achieved consolidated revenues in excess of EUR 5.4 billion in 2011. As an international technology group, the company focuses on process systems and components for sophisticated production processes throughout an extensive range of end-user markets. GEA Group generates 70 percent of sales in long-term growth industries in the food and energy sectors. The group employed more than 24,000 staff worldwide as of June 30, 2012. GEA Group is a market and technology leader in its business areas. It is listed on the German MDAX stock index (G1A, WKN 660 200) and on the STOXX® Europe 600 Index. Further information is available on the Internet at: www.gea.com.

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