



## **Kaori Brazed Plate Heat Exchanger ~Core Competence in Saving Energy~**

Kaori; a small but strong in Brazed Plate Heat Exchanger technology announced their patented heat exchanger has reached a critical high pressure 140 bar for CO2 application. Since its establishment in 1970 by the founder chairman Hans H.S. Han, modernization of heat exchange technology has been Kaori's major goal. For over four decades, Kaori has developed its own brand-name products, such as Sendzimir mill rolls, brazed plate heat exchangers, high strength steel elevated floor, and air dryers. Kaori brand Brazed Plate Heat Exchangers are the number one selling BHE in Taiwan. Kaori export brazed plate heat exchangers to over 60 countries and also holds certifications for ISO, CE, UL, ASME, etc...



Even under the pressure of economic recession all over the world, most governments agree using their limited source on green technology. 2008 to 2010 can be said to be a very busy period for the HVAC industry. The goals for most manufacturers are of the following: 1) Increase the performance and efficiency of the product 2) Using environmental friendly refrigerants such as R134a, R407C, R410A. and 3) Using natural refrigerants such as R290, R717, R744, etc. to minimize the impact Ozone Depletion Potential(ODP) and Global Warming Potential (GWP) of refrigerants on the environment

The four main components for HVAC machines typically include the compressor, condenser, expander, and evaporator. Of the four main components, the compressor and evaporator are the most spacing consuming.

Kaori is currently the sole manufacturer of brazed plate heat exchangers in Taiwan with sales to over 60 countries. Beside the production of traditional liquid to refrigerant BHE, Kaori also actively research and develop gas to refrigerant use BHE in order to satisfy the demand from various and diversified global manufacture in thermal management technology and solutions.

Regarding the usage of HFC refrigerant and natural refrigerant, Kaori has been actively developing brazed plate heat exchangers for these refrigerants. Of the above mentioned refrigerants, Kaori has made major break through on the R744 CO2 heat exchanger. Our first R744 BHE for heat pump has completed its development last year. In the future, Kaori will provide all types of BHEs for R410A,

R717(Ammonia), and R744(CO2) refrigerants in order to meet stricter regulations and an ever-evolving and increasingly challenging market.

Kaori, a publicly traded company with 40 years of history, is the leading brazed heat exchanger manufacturer in Taiwan. Kaori also obtained CG6004 certification last December to show its sound management structure and system. In the future Kaori will continue to uphold its persistence on quality and research and developing energy-efficient products to provide environmentally friendly solutions for our customers.

With the expertise, Kaori specializes in brazing and new idea for heat exchanger technique, bringing heating and cooling technology and solutions to diversified global markets. Kaori products are used in, HVAC (heating, ventilation and air conditioning) equipment, industrial equipment, refrigeration systems and other different application. For more information about Kaori, visit [www.kaori.com.tw](http://www.kaori.com.tw)

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