

Heat exchange with HX-Factor energizes the world.

NEW PRODUCT SPOTLIGHT

ConBraze™

The GEA ConBraze is a brazed plate heat exchanger that guarantees maximum performance and substantial savings potential in compact space. The ConBraze Heat Exchanger couples an optimal plate design with a thermally efficient refrigeration system to meet the growing demand for eco-friendly products.

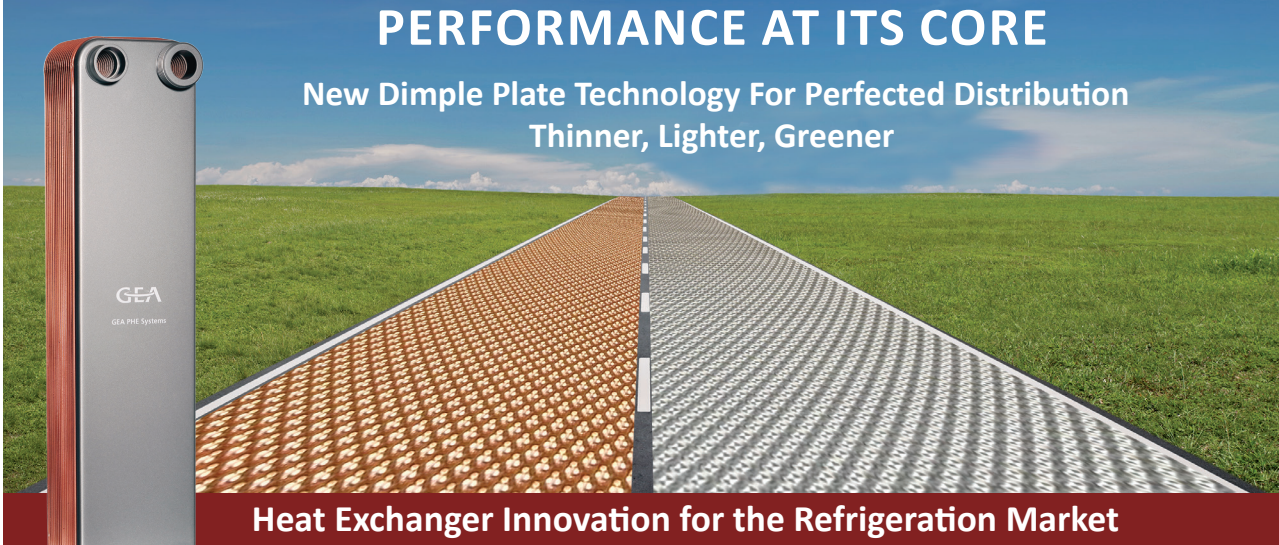
This innovative solution yields overall savings in material, weight, and space.

The ConBraze Advantage

Features	Benefits
Optimized Port Distribution Area	Enhanced Thermal Efficiency
Advanced Dimple Plate Design	Lower Pressure Drop Increased Mechanical Strength
Smaller Channel Gap	Lower Pump Cost/Smaller Compressor Reduced Refrigerant AND Secondary Holdup Volume Reduces Overall Footprint Decreased Freight Cost

PERFORMANCE AT ITS CORE

New Dimple Plate Technology For Perfected Distribution
Thinner, Lighter, Greener



Heat Exchanger Innovation for the Refrigeration Market

Contact Nathan Beckman For Information
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GEA IN THE NEWS

We are pleased to announce that our Service Center in North Sioux City, SD has been named Business of the Month by the North Sioux City Economic Development Council. We received this award due to our continuing investment, which benefits the local economy.

Construction of the Service Center was finished in May, 2014 and the Service Center began operations after equipment installation in September, 2014.

Our Center is a full service operation offering cleaning, repair, and spare parts for most OEM brands of heat exchangers. The Service Center business is continuing to increase each month and we look forward to working with all Authorized GEA Sales Representatives at this location.



GEA named business of month

The North Sioux City Economic Development Corporation (NSCEDC) has presented the Business of the Month award to GEA Heat Exchangers, Inc., PHE Division. Shown are from left, NSCEDC board member Grey Meyer, Corey O'Connor of GEA Heat Exchangers, NSCEDC President Bruce Odson and NSCEDC board member Glenn Ivarsen.

Please contact Gerek Foote, gerek.foote@gea.com, 717-880-0839 for more information.

AFTER SALES AND SERVICE BROCHURE

HEAT EXCHANGER MAINTENANCE

Spring is right around the corner.
Is your equipment ready?

Contact the Following Personnel for Assistance



Brazed Plate Heat Exchangers

Contact: Mike Lewgood
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Customer Service

Contact: Customerservice.phe-systems.usa@gea.com
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Gasketed After Sales & Service

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NEW ORDER FOR GEA BLOCS

by: Mark McKinney

In February, GEA PHE won a sizeable order for four BT-75 size GEABlocs for a major oil and gas company located in Alberta, Canada. These exchangers will be used to exchange heat between a lean amine stream and a rich amine stream at a gas processing facility. This is a heat recovery position in between the gas stripper and gas absorber columns. The rich stream is rich in both H₂S & CO₂ gases which must be stripped from the gas stream before it can be further processed. Plate heat exchangers, both gasketed and welded types, have been the preferred choice for this heat recovery position for many years by most clients. The tight temperature approaches available in plate technology allow the end users to recover more heat as compared to more conventional Shell & Tubes which allows for a greater degree of operational cost savings over time.



In early March, GEA received another very sizeable order for two BT-75 size GEABlocs for one of the largest US oil refineries located in the gulf coast region. The exchangers will be used in the refinery's Sulfur Recovery Unit where sulfur is cracked from naphtha with minimal olefin saturation and therefore minimal octane loss of their gasoline blend. The specific service is to pre-heat the feed stream of a naphtha product stabilizer column using the hot bottoms stream. This 'feed-bottoms interchanger' is considered a heat recovery position wherein the client exchanges as much energy as possible back into their process. The tight temperature approaches available in plate technology typically provide a greater degree of heat recovery as compared to Shell & Tube heat exchangers and with a smaller footprint as well.

Within the next several years, refineries all over the nation will be working to reduce the amount of sulfur in their gasoline to meet government mandated provisions. You should keep your eyes open for refinery projects involving sulfur reduction in both the Sulfur Recovery Unit and the Hydro-Treater Unit, where GEA has enjoyed many successes installing GEABlocs over the years.

Heat recovery positions like these are considered to be the sweet spot for welded bloc plate heat exchangers. This is especially true for services where both the hot and cold fluid streams have the same corrosion characteristics requiring a higher alloy than typical stainless steels. Blocs are tremendously more cost effective than Shell & Tubes for these types of services. You should keep your eyes open for any heat transfer services involving feed/bottoms streams which are found in the following sections of any refinery – De-Butanizer Columns, De-Propanizer Columns, Sour Water Strippers, Sulfuric Acid Alkylation Units, Sulfur Recovery Units, Sodium Hydro-Sulfide Contactors, etc.

Contact Mark McKinney, mark.mckinney@gea.com, 717-268-6307, for additional information.

GEA BLOC BROCHURE

UPCOMING TRADESHOWS



WE WANT TO HEAR FROM YOU!

If there is a topic, suggestion, or question that you want included in our next newsletter, send your request via email to rene.langley@gea.com