BRAZED ALUMINUM HEAT EXCHANGERS MANUFACTURED IN THE USA

A new choice for cryogenic heat exchangers

Performance to the Core.
CoreWorks designs, sells, manufactures, packages, and services Brazed Aluminum Heat Exchangers (BAHX), Cold Boxes, Manifolded Assemblies, and Plate-fin Kettles (PFK) for cryogenic applications.

Located in Katy, Texas, CoreWorks is positioned to provide US manufactured cryogenic heat exchangers with expected high standards of customer service. Now manufacturing Brazed Aluminum Heat Exchangers (BAHX), Cold Boxes and Plate-Fin Kettles (PFK), which are used in a variety of cryogenic services. CoreWorks is the first new US manufacturer of brazed aluminum heat exchangers in more than 50 years.

Our staff has over 100 years of experience working on, in, and around brazed aluminum heat exchangers, cold boxes, manifolded assemblies, plate-fin kettles and other related equipment. CoreWorks and its partner have designed, manufactured, and installed over 3,000 BAHX units and more than 180 cold boxes, assemblies and PFKs in over 26 countries globally.

Powering our products with CryoCore®. Custom-engineered products, optimized for your applications.

Markets Served

Our products are used primarily in cryogenic processing applications serving Natural Gas Processing, Liquified Natural Gas, Petrochemical and Industrial Gas markets.

From drop-in replacements for existing services to new and challenging custom designs, CoreWorks engineers have the experience to get the job done. Let CoreWorks get started on your customized solution today.
CryoCore® BAHX

Design Temperatures
-454°F (-270°C) to 400°F (204°C)

Product Applications
Industrial Gas/Air Separation, Natural Gas Processing, Liquefied Natural Gas, Petrochemical, and Refrigeration Services

Design Pressures
Full vacuum (FV) to greater than 2,000 psig (138 barg)

Codes and Standards
ASME, PED (Provided by partner), GB (Provided by partner), ALPEMA, API-662

Cold Box & Manifolded Assemblies | powered by CryoCore®

Experience
CoreWorks’ partner has built over 70 unique configurations in a variety of sizes. More than 180 cold boxes and assemblies.

Product Applications
Industrial Gas/Air Separation (IG), Natural Gas Processing (NGP), Liquefied Natural Gas (LNG), Ethylene Separation Systems, Propane/Butane Dehydrogenation (PDH/BDH)

Superior Protection and Insulation
Carbon steel casing structure supports heat exchangers, piping, other related cryogenic equipment and insulation material in an inert atmosphere.

Codes and Standards
ASME, ASTM, AISC, AWS, ANSI, ASCE, UBC, IBC, SSPC, ALPEMA

Plate-fin Kettle (PFK) | powered by CryoCore®

Design Temperatures
-454°F (-270°C) to 400°F (204°C)

Design Pressures
1,400 psig (97 barg) – Shell Side
2,000 psig (138 barg) – CryoCore® Side

Product Applications
Gas Processing, Ethylene Separation, Fractionation, Refrigeration Systems

Services
Evaporators, condensers, and reboilers