



COREWORKS

**BRAZED ALUMINUM HEAT EXCHANGERS
MANUFACTURED IN THE USA**

A new choice for
cryogenic heat exchangers

Performance to the Core.

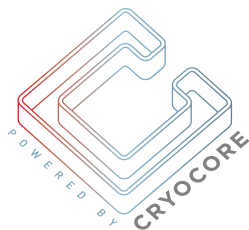
CoreWorks designs, sells, manufactures, packages, and services Brazed Aluminum Heat Exchangers (BAHX), Cold Boxes, Manifolder Assemblies, and Plate-fin Kettles (PFK) for cryogenic applications.

OUR PRODUCT. YOUR PROCESS. MAXIMUM EFFICIENCY.

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.



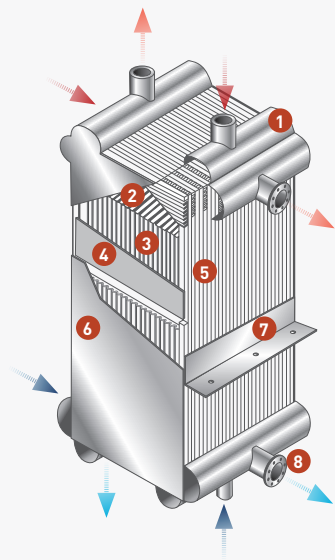
Markets Served

Our products are used primarily in cryogenic processing applications serving Natural Gas Processing, Liquefied 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



- 1. Header Body
- 2. Distributor Fin
- 3. Heat Transfer Fin
- 4. Parting Sheet
- 5. Side and End Bars
- 6. Cap Sheet
- 7. Support Angle
- 8. Flanged Nozzle



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)



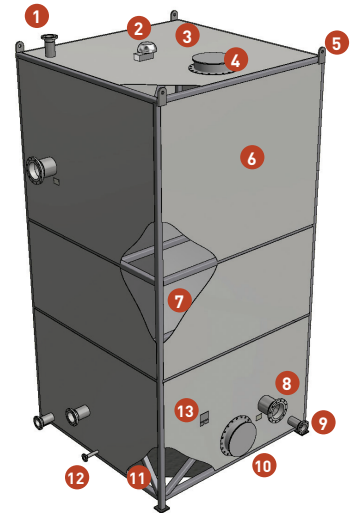
Superior Protection and Insulation

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



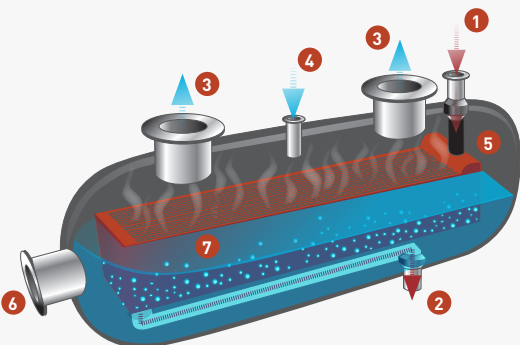
Codes and Standards

ASME, ASTM, AISC, AWS, ANSI, ASCE, UBC, IBC, SSPC, ALPEMA



- 1. Perlite Fill Connection
- 2. Breather Valve
- 3. Roof (Safety Plate)
- 4. Emergency Vent & Manway
- 5. Lifting Lugs
- 6. Side Panels
- 7. BAHX & other Equipment
- 8. Flexible Nozzle Close Out
- 9. Perlite Drain
- 10. Manway
- 11. Floor Panels
- 12. N2 Purge
- 13. Nameplates

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



- 1. Process Stream Inlet (CryoCore® side)
- 2. Process Stream Outlet (CryoCore® side)
- 3. Refrigerant Outlet
- 4. Refrigerant Inlet
- 5. Transition Joints
- 6. Manway
- 7. Brazed Aluminum Core (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

23445



Performance to the Core.

www.coreworks-usa.com



COREWORKS

W

23445 Clay Rd.
Katy, Texas 77449
281.968.9700

sales@coreworks-usa.com
www.coreworks-usa.com



Zhongtai Cryogenic
中泰深冷

E

No. 228 Golf Road, Dongzhou District
Fuyang City, Hangzhou, P.R. China
PC: 311402