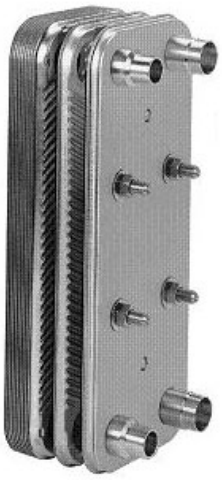
Brazed Heat Exchangers: Advantages & Applications

Advantages & Applications | Specifications



- **High Efficiency**
  The embossed pattern of the heat transfer plates promotes high turbulence at low fluid velocities. The high turbulence results in very high heat transfer coefficients.
- **Compact Size**
  The WCR brazed heat exchanger can be anywhere from 50% to 80% smaller than other types of heat exchangers. It requires less floor space due to the high thermal efficiency of the stainless steel. The plates are brazed together at high temperatures, allowing the heat exchanger to be compact, leak tight, and rugged.
- **Close Approach Temperatures**
  Close-approach temperatures of 1-2°F (0.5-1.0°C) are possible because of true counter flow and high heat transfer efficiency of the plates. This is an important factor in regeneration and heat recovery processes.
- **High Temperature and Pressure Ratings**
  Maximum working pressures from 300 psi to 650 psi, and temperature ratings of 350°F.

BRAZED HEAT EXCHANGER APPLICATIONS

Refrigeration

- 1/2 to 160 Ton Capacity
- Liquid Chillers
- Condensers / Heat Pumps
- Marine Condensers
- Sub-Coolers
- Fluid to Fluid
- Special Applications

Industrial

- Process Heating or Cooling
- Hydraulic Oil Coolers
- Engine Coolers
- Transmission Coolers
- Marine & Sea Water Applications
- Special Application

Hydronics

- Radiant Floor Heat
- Domestic Water Heat
- Snow Melt Applications
- Swimming Pool / Spa Heating
- Fuel Oil Pre-heater
- Special Applications

Ammonia

- DX Chillers
- Flooded Chillers
- Condensers
- Economizers / Subcoolers
- Oil Coolers - Water Cooled
- Oil Coolers - Thermo siphon
- Floor Warmers
- Special Applications

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