Brazed plate heat exchangers

TRIANON Echangeur



Brazed plate heat exchangers consist of a series of corrugated stainless steel AISI 316 plates. The unique shape of our plates ensures high fluid turbulence, optimal heat transfer, and reduced fouling.
The plates are stacked and brazed using copper or nickel, providing exceptional mechanical strength and perfect tightness.
Our extensive range meets both standard and specialized requirements for fluid handling across all industries, including loaded, viscous, and corrosive fluids.

- High thermal efficiency for optimal heat transfer
- Compact design with optimized heat exchange surfaces and limited footprint
- Low installation costs
- Minimal fouling

Manufacturing

Wide range of brazed plate heat exchangers with multiple connection options

Single or double wall construction

Capacity: 0.7 to 800 kW

Design options: standard, dual circuits, microchannel, high turbulence, low pressure drop

Temperature and pressure

They withstand:

- Stainless steel / copper: -195°C to 230°C, 10 to 45 bar
- Stainless steel / nickel: -195°C to 350°C, 10 to 45 bar
- Special construction for use up to 140 bar (CO_2)

Options

- Stainless steel flanges
- Threaded connections
- Insulated casings

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Standards & certification

Manufactured in accordance with ISO 9001:2015
Certifications: ASME, TÜV, SAQ, SELO, GOST, UL, FDA, 3-A, ABS, TEMA, ANCC, CE-PED

Applications

Domestic hot water production, heating, heat pumps, chilled water distribution, solar heating, geothermal, oil cooling, and other industrial applications (fluid-to-fluid)

Fluids:
Water, air, refrigerants, CO_2, steam, liquids, oil, and gases

Materials

Corrugated plates: stainless steel AISI 304, AISI 316L with copper or nickel brazing
Connections: stainless steel

Our applications

- Evaporator condenser
- Heat pump
- HVAC
- Industrial applications
- Food & beverage
- Hot water production

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