



BrazePak™ Brazed Plate Heat Exchangers

EFFICIENT HEAT TRANSFER. COMPACT DESIGN.

Southgate
Process Equipment, Inc.

Standard **X**change
a xylem brand

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BRAZEPAK™ HIGH PERFORMANCE BRAZED PLATE HEAT EXCHANGERS



THERMAL PERFORMANCE

Standard Xchange unique heat transfer plate designs provide high rates of heat transfer requiring less surface area than conventional shell and tube heat exchangers.

Compare BrazePak™ with conventional shell and tube units:

- One-sixth the size
- One-fifth the weight
- Uses only one-eighth the liquid
- Requires one-third to one-fifth the surface area

High performance.

BrazePak™ brazed plate heat exchangers offer the highest level of thermal efficiency and durability in a compact, low-cost unit.

Compact design.

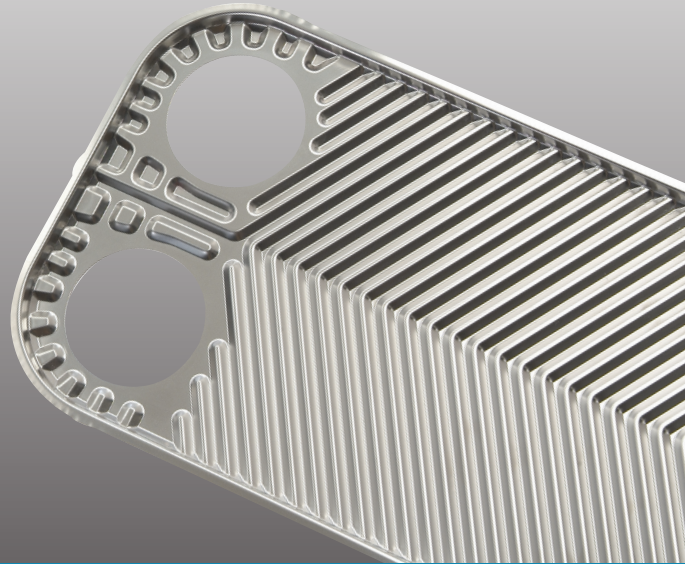
The corrugated plate design provides very high heat transfer coefficients, resulting in a smaller surface area. This makes the BrazePak™ an excellent choice; especially where space is a consideration.

Solid self-contained unit.

Thin corrugated stainless steel plates are vacuum brazed together to form a very durable, integral piece that can withstand both high pressure and high temperature.

Numerous applications.

BrazePak™ units are ideal as refrigerant condensers and evaporators, as oil coolers for engines and machinery, and in many other industrial applications.



DESIGN PERFORMANCE

MECHANICAL DESIGN:

Standard design pressures up to 435 psig
at maximum design temperature of 450°F
Custom designs to pressures of 1000 psig.
Minimum design temperature to -310°F

CONSTRUCTION CODES:

Available codes include; UL, CRN,
ASME Sec.VIII Div.1 "U" stamp,
ASME Sec.III "N" stamp, Pressure
Equipment Directive (97/23EC), China
ML, Korean KGS, Brazilian NR-13.

MATERIALS:

Stainless Steel 316L plates.
Copper or Nickel braze material.

PERFORMANCE:

Single Wall and
Double Wall Options

CONNECTIONS:

From 1/4 inch to 4 inch. Standard
connection options include
NPT, SAE, Flanged and Sweat.
Custom connections available.

CAPACITY:

Up to 800 GPM and
1100 Sq.ft. of surface area.

MOUNTING:

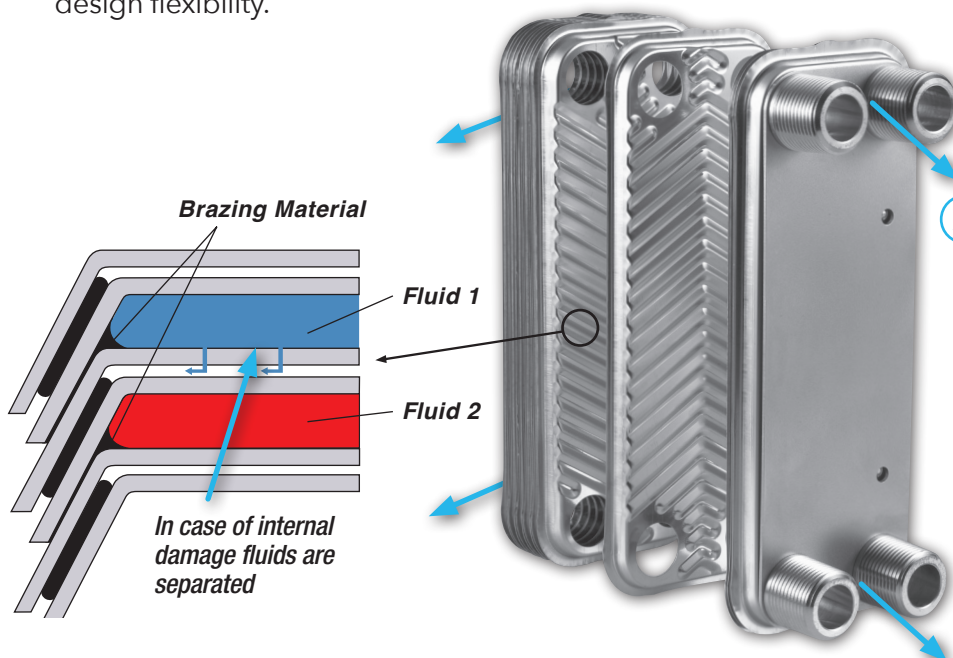
Reduce mounting costs with
optional threaded studs or
integral mounting bracket.
Custom mounting options
available.



BRAZEPAK™ BPDW DOUBLE-WALL

BrazePak™ BPDW Double-Wall brazed plate heat exchangers

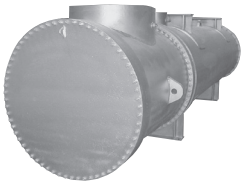
offer the highest level of leak protection, safety, thermal efficiency and durability in a compact, low cost unit. Standard Xchange advanced lean manufacturing process provides fast deliveries with maximum design flexibility.



BRAZEPAK™ BPDW DOUBLE-WALL PROVIDES:

- True double-wall construction, including port regions
- Double-wall plate design with **unique air vent leak paths**
- Complete **peripheral braze** for additional strength
- Four dedicated leak ports for **quick and easy leak detection** (A)
- **Excellent performance** for domestic water applications
- **Dependable protection** of fresh water streams for cooling of oils and refrigerants

MODELS OF **EFFICIENCY.**



CENTURY SERIES®

Engineered/
customized heat
exchangers for
process and other
heating/cooling
applications.



BRAZEPAK™

Brazed plate
heat exchanger.



PLATEFLOW®

Gasketed plate
& frame heat
exchanger.



AIREX® AND FANEX®

Air/oil, air/air,
or air/water
heat exchangers.



PRE-ENGINEERED SERIES

BCF®/SSCF®/
SX2000®/B300®
Pre-engineered
shell and tube
heat exchanger.

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