

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

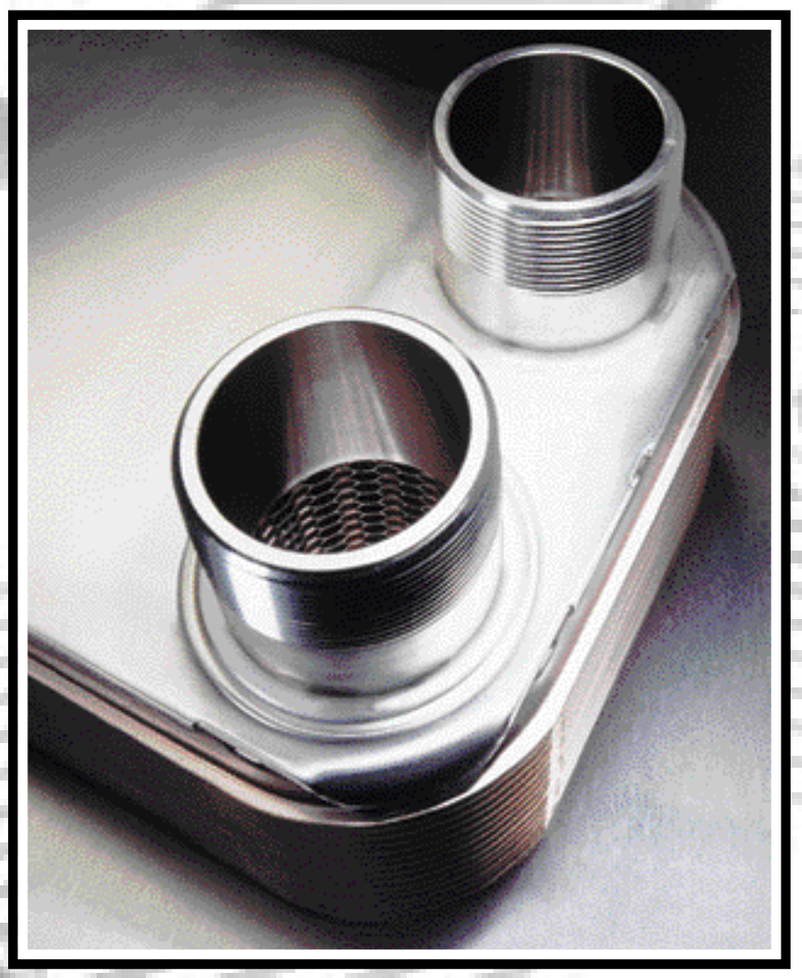
- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *ITT Brazepak 410-34* at our website: *Click HERE*

Brazepak™ Heat Exchangers



High performance

heat exchangers.

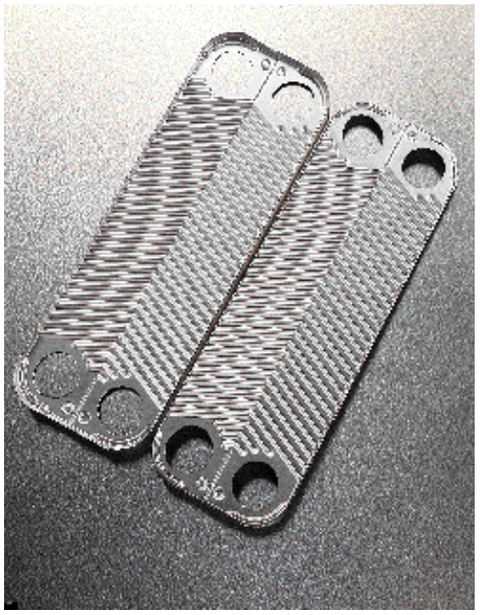
ITT Standard

ITT Fluid Technology Corporation

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Performance.

Built for performance



The ideal heat exchanger has a heat transfer surface that produces a turbulent flow (high heat transfer coefficient) in a countercurrent flow path.

The Brazepak design joins a stack of corrugated plates, sealing them together by furnace brazing. The plates are corrugated in a herringbone pattern to produce high turbulence for superior heat transfer. Holes at the plate corners distribute the fluids between alternating plates, with one fluid entering the plate at one end and the other fluid at the opposite end, to create true countercurrent flow. Heat transfer coefficients of up to six times those of conventional heat exchangers can be achieved. The result is a much smaller heat exchanger for a given service.

In addition, Brazepak will recover heat and handle large temperature-crossing situations better than any other heat exchanger design.



Easy to install and operate

Lightweight.

Constructed of thin metal plates with narrow gaps between them, Brazepak units are exceptionally light in weight, with very low fluid hold-up in the exchanger. This makes for easier installation and operation. An all-metal heat exchanger intimately bound together by brazing material, Brazepak is designed to withstand the toughest heat transfer applications.

No leakage

Heavy-Duty.

The brazing process eliminates the need for gasketed or rolled joints commonly found in traditional exchangers. This permits higher operating pressures and temperatures, with no maintenance required – and no leaks.

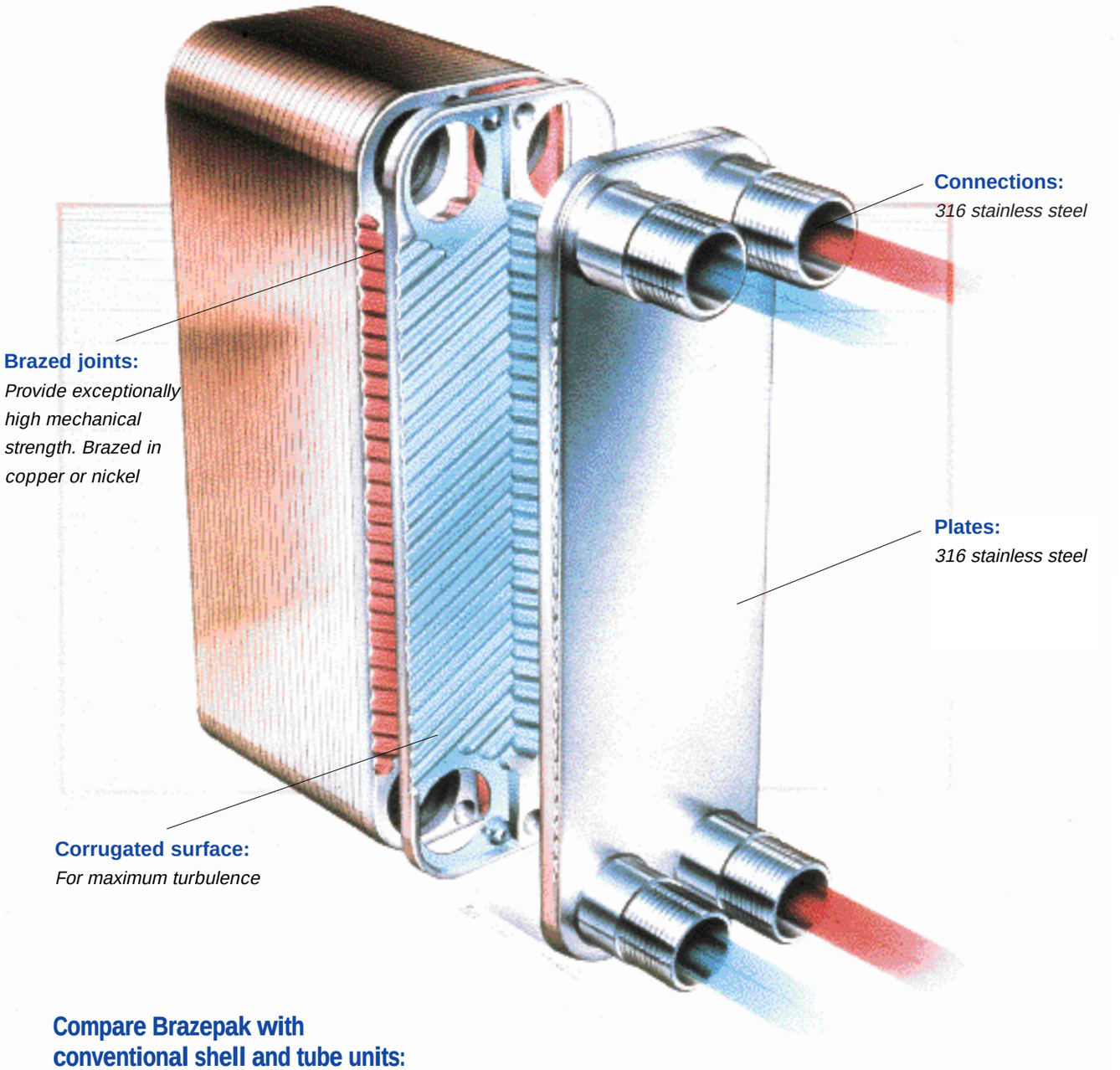
The corrugated plates are capable of handling highly viscous fluids, turbulating them for maximum efficiency. The use of corrosion-resistant materials ensures a long operation life.

For dependability, soundness and size, the Brazepak heat exchanger is on the leading edge.

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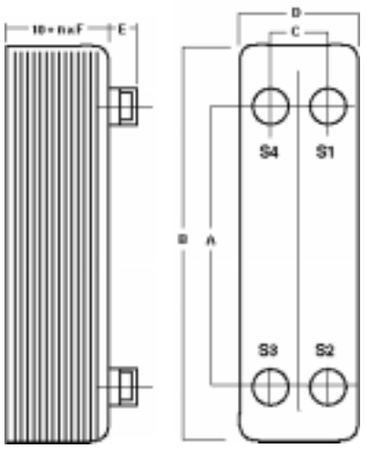
Small in Size – Big on Performance

Brazepak heat exchangers help you reduce size, weight and cost.



Compare Brazepak with conventional shell and tube units:

It's one-sixth the size
It's one-fifth the weight
It uses only one-eighth the liquid
It requires one-third to one-fifth the surface area



Standard Construction

Cover plates: Stainless Steel AISI 316
Channel Plates: Stainless Steel AISI 316
Connections: Stainless Steel AISI 316 NPT threaded
Brazing Material: Copper

Technical Data
(Standard Construction)

Design Pressure: 435 psig
Design Temperature: All units:
437°F max.
-319°F min.

Optional Construction

Brazing Material: Nickel
Connections: Soldering, SAE type, Flanged, etc…
Mounting Brackets: Strap Type

n = No. of plates

TYPE	A	B	C	D	E		F	STANDARD CONNECTION	WEIGHT (LBS.)	MAX. NO. OF PLATES
					S1, S2	S3, S4				
BP400	6.77	8.19	1.65	3.07	0.94	0.87	0.093	3/4" NPT	1.5 + n x 0.13	50
405	10.98	12.40	1.65	3.07	0.94	0.87	0.093	3/4" NPT	2.2 + n x 0.24	60
410	9.84	12.20	1.97	4.37	1.77	1.69	0.095	1" NPT	2.6 + n x 0.29	150
411	9.84	12.20	1.97	4.37	1.77	1.69	0.095	1" NPT	2.6 + n x 0.29	150
412	9.84	12.20	1.97	4.37	1.77	1.69	0.095	1" NPT	2.6 + n x 0.29	150
415	18.35	20.71	1.97	4.37	1.77	1.69	0.095	1" NPT	4.2 + n x 0.51	150
420	20.43	24.33	3.62	7.52	7.52	7.52	0.098	2" NPT	15.4 + n x 0.97	150
421	20.43	24.33	3.62	7.52	7.52	7.52	0.087	2" NPT	15.4 + n x 0.97	150
422	20.43	24.33	3.62	7.52	7.52	7.52	0.112	2" NPT	15.4 + n x 0.97	150

Typical Connection Locations

Duty: Liquid-to-Liquid

	ALL MODELS
Hot In	**S4**
Hot Out	**S3**
Cold In	**S2**
Cold Out	**S1**

Duty: Stream-to-Liquid

	ALL MODELS
Stream In	**S4**
Cond. Out	**S3**
Cond. In	**S2**
Cold Out	**S1**

Duty: Refrigeration-to-Liquid

	ALL MODELS	
	Condenser	Evaporator
Refrig. In	**S4**	**S3**
Refrig. Out	**S3**	**S4**
Liquid In	**S2**	**S1**
Liquid Out	**S1**	**S2**

Try Brazepak for your next application in:

WATER/WATER
- Boiler systems
- District heating
- Solar heating
- Geothermal
- Swimming pool heaters
- Domestic water heating
- Engine jacket cooling
- Various cooling and heating duties in industrial applications

WATER/OIL
- Engine cooling
- Hydraulic oil cooling
- Fuel oil preheating
- Various industrial oil cooling duties

WATER/GAS
- Heat pumps
- Heat recovery refrigeration
- Packaged chillers
- De-superheaters
- Steam

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Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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