



Brazed Plate Heat Exchangers

Compact. Strong. Efficient.



Hydronic Heat Exchangers

Brazetek Heat Exchangers offer high level of thermal efficiency and durability. Stainless steel plates are vacuum brazed together to withstand high pressure and temperature variations in a compact, low-cost unit.

Advantages of Brazetek® Heat Exchangers:

Superior Design

The plates are vacuum brazed together to create two separate flow channels. The fluids can pass in co-current or counter-current directions.

- high resistance to pressure and temperature fluctuations;
- quick and easy installation;
- lightweight design.



Corrosion resistance

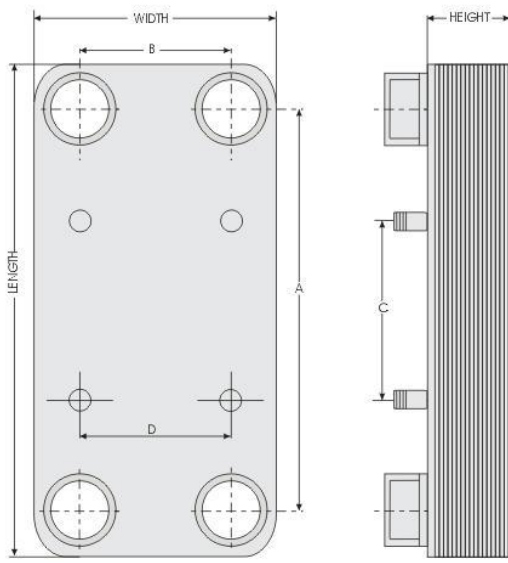
For typical residential applications plates are made of 316L Stainless steel. The plates are made of SMO254 Stainless Alloy to prevent corrosion in environments, where chlorine, biological elements and low concentrations of acids are present.

Low fouling rates

Special corrugation pattern of the plates ensures a turbulent flow, even at low velocities; that prevents scaling from forming inside the unit and improves heat transfer rates.

Compact and lightweight units are ideal for a variety of installations, including:

- radiant floors;
- snow melt;
- solar heating;
- domestic hot water;
- pool heating, etc.



Standard construction

Cover plates: 316L Stainless Steel
Channel plates: 316L Stainless Steel
Connections: 316L Stainless Steel
 (MNPT threaded)
Brazing Material: Copper 99.9%

Working parameters

Design pressure: 435 psi (30 bar/3.0 Mpa)
Test pressure: 650 psi (45 bar/4.5 Mpa)
Design temperature: -256°F / 437°F
 (-160°C / 225°C)

Part #	No. of plates	Max GPM	Conn. MNPT	Studs	Length (inch)	Width (inch)	Height (inch)	A (inch)	B (inch)	C (inch)	D (inch)
BT3X8-30	30	15	3/4"	-	2.99"	8.11"	3.11"	6.77	1.65	-	-
BT4X12-10	10	30	1"	-	4.25"	12.12"	1.32"	9.84	1.97	-	-
BT4X12-20	20	40	1"	-	4.25"	12.12"	2.24"	9.84	1.97	-	-
BT4X12-30	30	40	1"	-	4.25"	12.12"	3.17"	9.84	1.97	-	-
BT4X12-40	40	40	1"	-	4.25"	12.12"	4.09"	9.84	1.97	-	-
BT4X12-50	50	40	1"	-	4.25"	12.12"	5.02"	9.84	1.97	-	-
BT4X12-60	60	40	1"	-	4.25"	12.12"	5.94"	9.84	1.97	-	-
BT4X12-70	70	40	1"	-	4.25"	12.12"	6.87"	9.84	1.97	-	-
BT5X12-50	50	60	1-1/4"	optional	5.0"	11.96"	5.08"	9.84	2.60	3.50	2.50
BT5X12-60	60	60	1-1/4"	optional	5.0"	11.96"	6.02"	9.84	2.76	3.50	2.50
BT5X12-70	70	60	1-1/4"	optional	5.0"	11.96"	6.97"	9.84	2.76	3.50	2.50
BT5X12-80	80	60	1-1/4"	optional	5.0"	11.96"	7.89"	9.84	2.76	3.50	2.50