



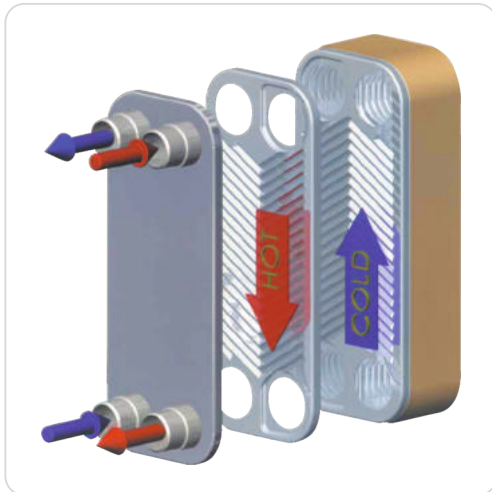
BRAZED PLATE HEAT EXCHANGER

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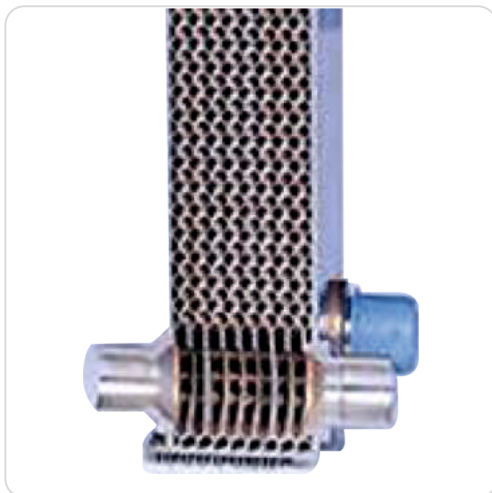
BRAZED PLATE HEAT EXCHANGER

Brazed Plate Heat Exchangers represent the most compact, rugged and cost-effective means of transferring heat in many industrial and refrigerant applications. Built from stainless steel with copper or nickel brazing materials, they provide exceptional corrosion resistance. They feature corrugated plates that produce highly turbulent flow in a true counter-current direction. This results in high efficiency and a very compact heat exchanger design. Due to the smaller size and reduced material content, they can be the most economical heat transfer choice.



APPLICATIONS

- ✓ Central Heating
- ✓ Heating and Cooling in HVAC installations
- ✓ Hydraulic and Lube Oil Coolers
- ✓ Tap Water and Radiator Heating
- ✓ Hydronic Heating
- ✓ Geothermic and Solar Heating
- ✓ Evaporation and Condensation in Refrigeration Systems
- ✓ Heat Recovery
- ✓ Steam Heating
- ✓ District or Zone Heating Systems



THE OUTSTANDING FEATURES

- ✓ Compact structure and easy installation
- ✓ Light in weight
- ✓ Small consumption of water
- ✓ Outstanding Overall Heat Transfer Coefficient
- ✓ Wide Variety of plate sizes and Patterns
- ✓ Durability and
- ✓ Low scaling coefficient

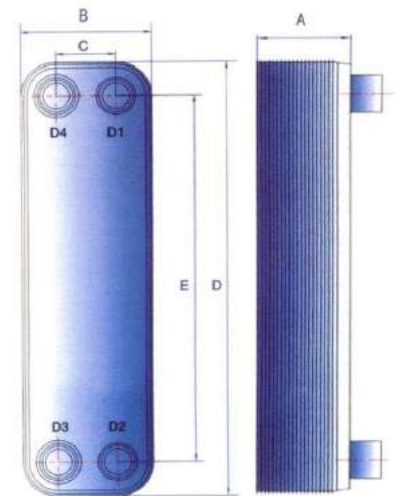
MATERIALS

Because of the different material, the brazed plate heat exchangers have the following kinds

ABHE	Nickel Brazed Plate Heat Exchangers	BHE	Copper Brazed Plate Heat Exchangers *
Plate Material	AISI 316L	Plate Material	AISI 316L/304
Connection Material	AISI 316L	Connection Material	AISI 316L/304
Brazed Material	Nickel	Brazed Material	Copper
Max Design Temp.	150 °C	Max Design Temp.	250 °C
Min Design Temp.	-160 °C	Min Design Temp.	-160 °C
Max Design Pressure	10 bar	Max Design Pressure	30 bar, 45 bar

Four kinds of connection for your assembly

- ✓ Male thread for heating and cooling system
- ✓ Female thread for hydraulic system
- ✓ Insert/butt for refrigerant circuit
- ✓ Clamp connection for cooling and refrigeration



BRAZED PLATE HEAT EXCHANGER SPECIFICATION

Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg)	Liquid Volume (Liter)	Heat Exchanging Area (m ²)
14	9+2.3N	76	42	206	172	0.7+0.06N	0.010(N-2)	0.014(N-2)
15	8+2.3N	80	40	190	154	0.9+0.06N	0.010(N-2)	0.014(N-2)
20	9+2.3N	76	42	310	280	1.0+0.08N	0.018(N-2)	0.020(N-2)
25	9+1.5N	93	39	325	270	1.0+0.09N	0.014(N-2)	0.025(N-2)
26	9+2.4N	111	50	310	250	1.3+0.13N	0.025(N-2)	0.026(N-2)
50	9+2.4N	111	50	525	466	2.0+0.23N	0.047(N-2)	0.050(N-2)
95A	11+2.4N	191	92	616	519	7.8+0.44N	0.105(N-2)	0.095(N-2)
95B	11+2.8N	191	92	616	519	7.8+0.44N	0.125(N-2)	0.095(N-2)
100	9+2.2N	248	157	496	405	6.5+0.386N	0.08(N-2)	0.1(N-2)
200	13+2.7N	321	188	738	603	13+0.8N	0.220(N-2)	0.210(N-2)
250	13+2.8N	363	232	798	655.7	13.5+0.97N	0.240(N-2)	0.260(N-2)


Note: N indicate plate number





AUTONOM


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