



## **Brazed Plate Heat Exchangers**

With our range of products AHTT is able to offer solutions for problems which come from all branches of industry. Our customers enjoy special benefits from this as they are able to receive a wide range of solutions from a single source.

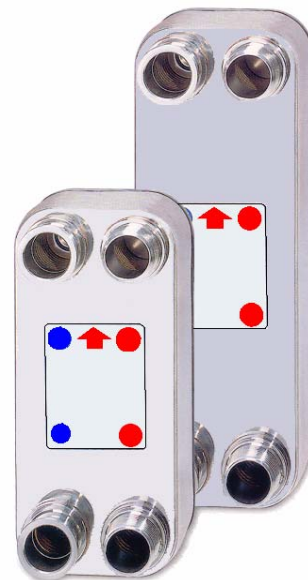
AHTT is able to offer Cu & Ni brazed type plate exchangers to provide another solution to your needs.

Brazed plate heat exchangers (BHE) consist of pressed stainless steel plates which are brazed with copper in a vacuum process.

For brazing, every alternate plate is rotated by one hundred and eighty degrees to produce two separate flow paths in which the two media flow in opposite directions. The plate contours generate high turbulence during fluid flow, which promotes efficient heat exchange even at low flow rates.

### **Advantages**

Compact unit, low weight.  
High heat transfer due to refined plate pattern.  
Low fouling risk.  
High operating temperatures and pressures due to gasket free design.  
High quality stainless steel construction  
Simple to install.  
Low maintenance required.  
Service friendly  
Inexpensive unit, due to large scale production.  
Low hold up volume.



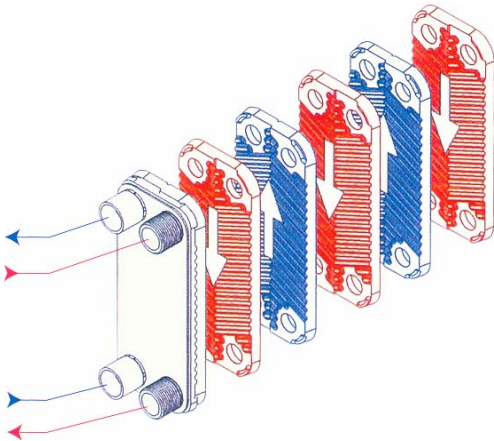
**ISO9001 Quality Certified Manufacture**



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### Single pass flow pattern



### Typical applications

#### HVAC

- Central cooling
- Tap water heating
- Swimming pool heating
- Heat recovery/heat reclaim
- Solar energy systems
- Heat recovery in Combined Heat & Power Generation plants
- Secondary heating/ water systems
  - glycol/ water systems
  - pressure breaker
  - under floor heating
  - ceiling cooling

Machine cooling

Oil cooling

#### Refrigeration

- Evaporator
- Condenser
- Liquid sub-cooler
- Economiser
- Desuperheater
- Oil cooler

### Materials

Plates      AISI 316  
Braze      99.9% Copper

### Performance

Maximum working pressure 30 bar  
Temperatures -160C → +225C

### Connections

solder or male threaded.  
solder or male threaded.  
solder, male threaded or flanged.  
solder or flanged.



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