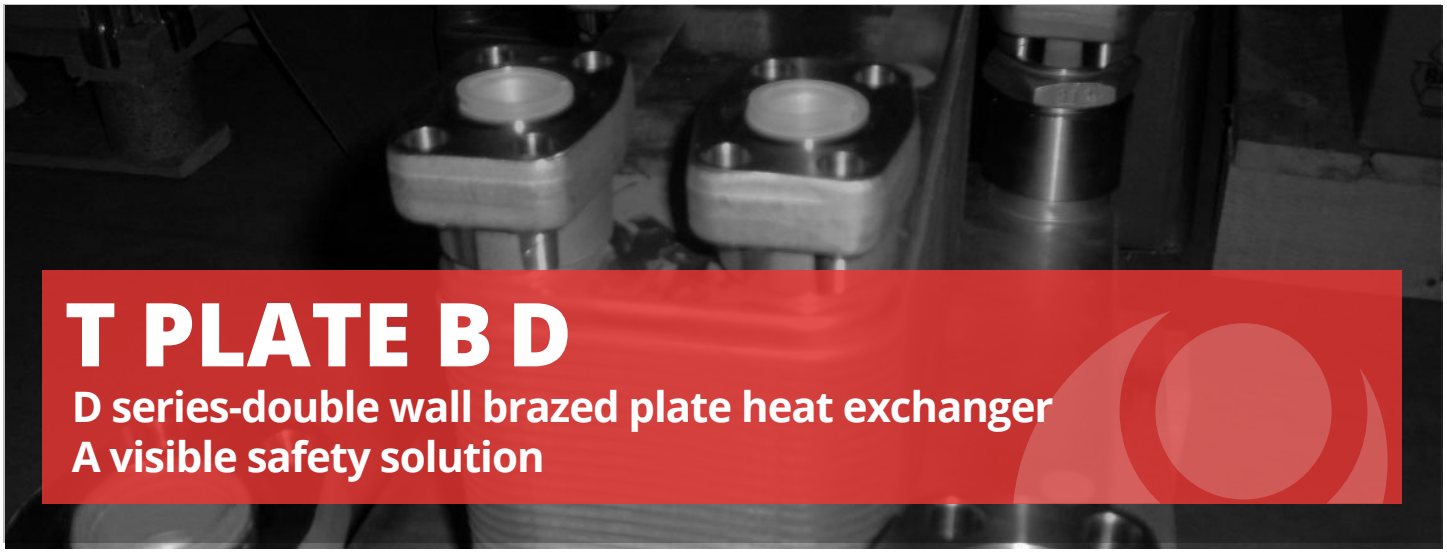
tempco
Solid Temperature.

Scheda tecnica / Tecnical sheet

T PLATE B D

D series-double wall brazed plate heat exchanger
A visible safety solution



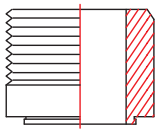
T PLATE B D

D series-double wall brazed plate heat exchanger
A visible safety solution

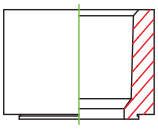
Connectors
In prevention of two different kinds of fluid from intermixing caused by internal leakage, Tempco precisely designed the TCBDW900CUK solution with the double-stacked plates, to eliminate the possibility of cross contamination.
The unique air gap is created between the two plates. Once the internal leakage occurs, the 2nd plate becomes the shield to keep the liquid stay and flow on the same channel through the air gap. Meanwhile, vent holes outside the plate will seep out the liquid as an indication of leakage.
The patented plate design construction can greatly raise and enforce the safety to use Tempco TCBDW900CUK especially for Residential and Industries where require high and strict safety standard; a visible safety solution.

Ideal for Residential and Industries application
Residential Hydronic Heating, District Heating, Radiant Floor Heating, Gas Boiler, Solar Domestic Hot Water Systems, Snow Melting, Domestic and Potable water Heating system, Heat Pump.

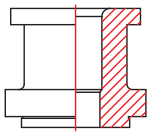
Industries
Food Industry, Pharmaceutical industry, Chillers, Transformer oil cooling, Lubricating Oil Cooling Industries.



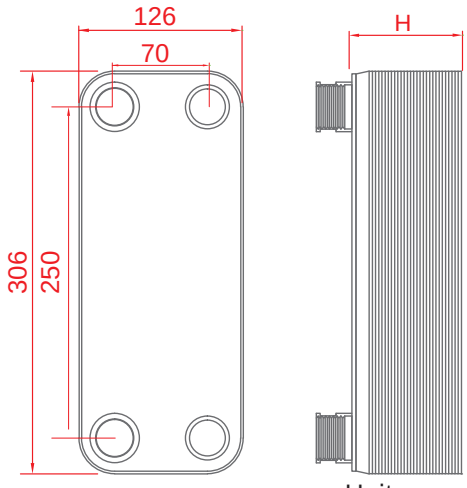
1 1/2"
Male Thread



1 1/4"
Female thread



Soldering
Ø35.25 mm



Unit: mm

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The Benefits Add Up

- A Visible Safety Solution
- Prevent Fluid Contamination
- Quick & Easy Leakage Indication
- Extra Strength

Specifications
QualityMaterials

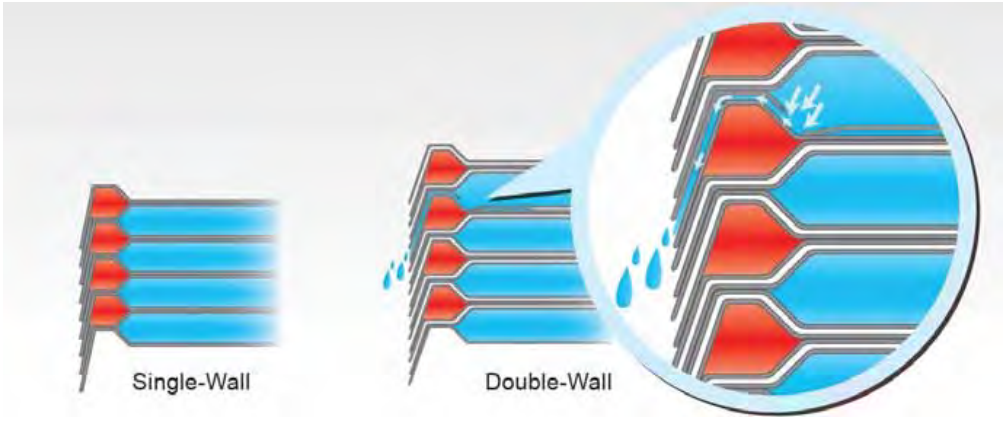
Connections	Stainless Steel
Plates	Stainless Steel
Brazing Material	99.9% Pure Copper

Technical Data

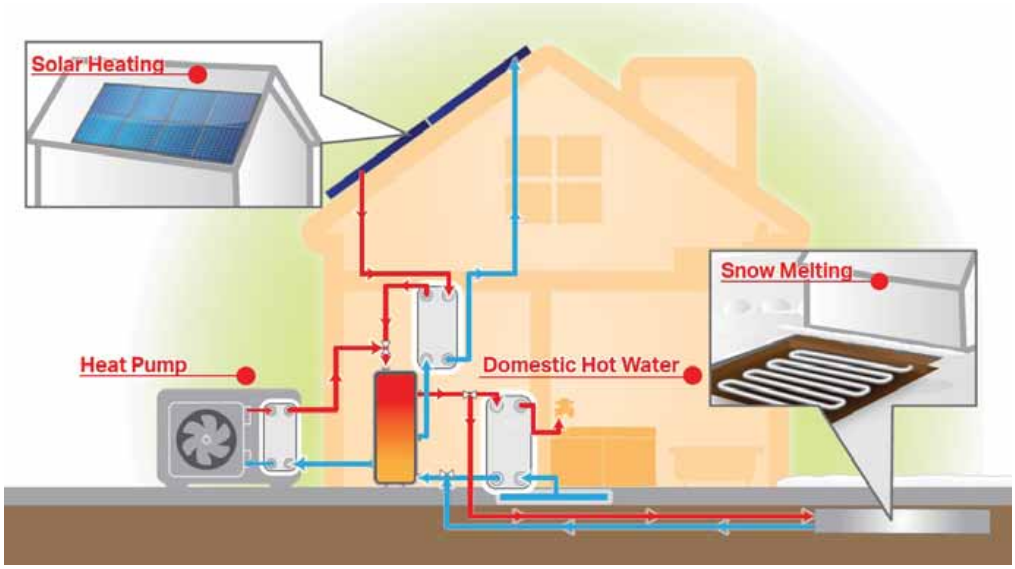
Model	TCBDW900CUK
Max. working temperature	200 °C
Max. working pressure (bar)	30 bar
Test pressure (bar)	43 bar
Plate Heat Transfer Area (m2)	(N-2)*0.03 m_2
Thickness - H (mm)	9.3+2.60*N mm
Weight(kg)(without connector)	1.53+0.203*N kg

N: Number of Plates

Working principle



Once a leakage occurs, liquid will seep throughout the air gap to the atmosphere as indication of internal leakage



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