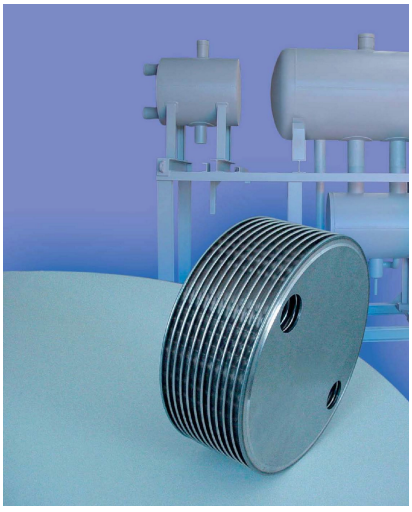
TEMPCO
SOLID TEMPERATURE

All welded heat exchangers

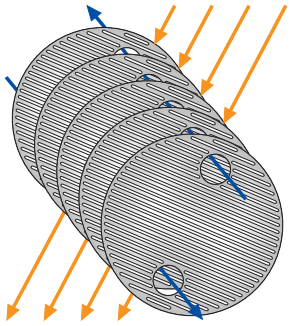
T WELD

Fully welded heat exchanger meeting the highest standards

T Weld - an extremely reliable, fully welded plate heat exchanger that proves its superiority where other heat exchangers reach their limits:
At temperatures between minus 200 °C and plus 950 °C and at extreme operating pressures.
The heat transfer surface of a T Weld consists of many profiled stainless steel plates which are welded together to form a plate pack and are precisely fixed in a shell tube.
After fitting the connections, the shell tube is completely welded. Each T Weld is manufactured individually and optimized according to the customer's wishes. The material and the position of the shell side connections may be defined as required.



Working principle of T Weld
Welding the plates outside and inside creates gastight channels which are provided with end tubes and thus come out of the shell tube at the end of the plate pack.
Both the shell side and the plate side can be realized as a multi-pass channel.
The full scope of welding creates a gas-tight apparatus that excludes leaks.



▲ *Flow diagram through the heat exchanger plates*

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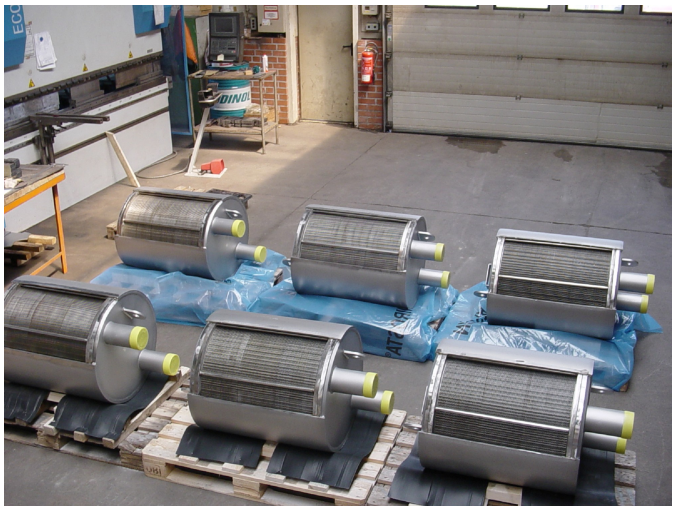
Uses of T Weld
The T Weld plate heat exchanger is particularly suited for uses in the
☐ Process industry
☐ Refrigeration engineering
☐ Chemical industry
☐ Power engineering and marine applications
Its special design and the resulting ruggedness are especially important at extreme operating temperatures and pressures where conventional heat exchangers fail to meet these requirements.

Fully welded design
☐ Maximum process reliability
☐ High operating pressures of up to 100 bar max.
☐ Working temperatures from -200 °C to +950 °C
☐ Free of gaskets and non-ferrous heavy metals
Highly efficient heat transfer
☐ Large heat transfer capacity
☐ Small size
Cost savings
☐ in the investment
☐ in operation
☐ and maintenance



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