

GASKETED AND WELDED  
HEAT EXCHANGERS  
FOR EVERY NEED

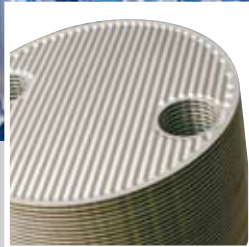
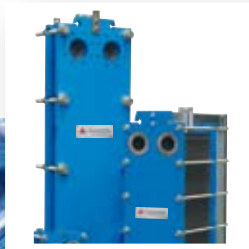


Plate & Frame  
Heat Exchanger

Welded Plate  
Heat Exchanger

Prime Surface  
Heat Exchanger

Spiral  
Heat Exchanger

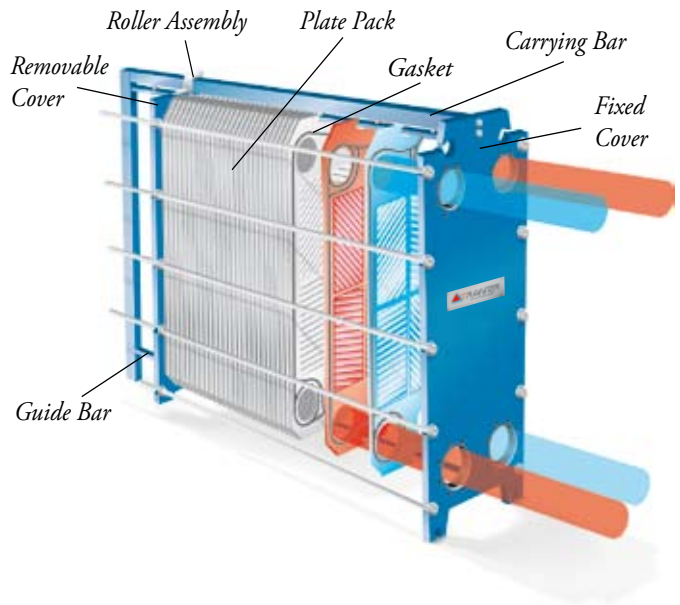


## Gasketed Plate Heat Exchangers

Tranter provides the world's largest range of Plate Heat Exchangers (PHEs) for a variety of applications. The PHEs are built on a module-based concept and are designed to provide maximum efficiency in transferring heat from one liquid to another, or from steam to liquid. Frames, plates and connections can be combined to form a number of different exchanger types. By using different types of plates, with different characteristics, the heat exchangers can be adapted to a wide variety of applications. The benefit of the gasketed plate heat exchanger is that it can easily be expanded or adapted, by adding or replacing plates when conditions change.

Flow ranges:	0 – 4600 m <sup>3</sup> /h
Max work pressure:	25 bar
Temp. range:	-40°C to +180°C
Connections:	DN25 – DN500 Weld neck, flange or threaded

Specifications may be changed without prior notice. Please contact us for specific details.





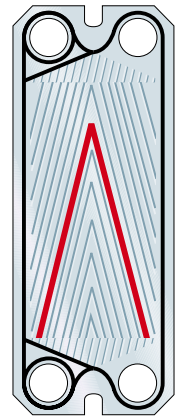
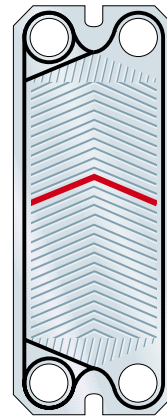
# Gasketed Plate Heat Exchangers



## GC and GL Plates

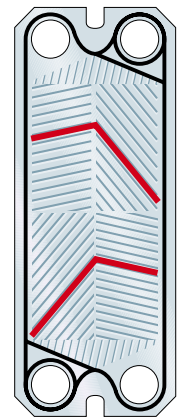
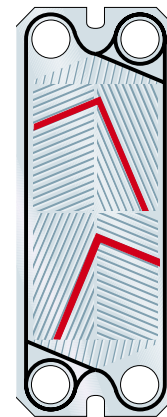
Symmetrical plates for regular use. Different plate patterns allow for optimisation of thermal transfer or pressure drop.

An obtuse angle (high-theta plate) gives high resistance and an acute angle (low-theta plate) a low pressure drop.

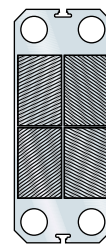
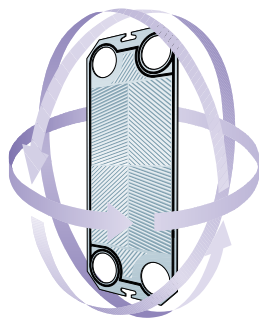


## GX Ultraflex Plates

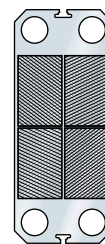
The plates are available with a herringbone pattern and either an acute or obtuse angle, making it possible to achieve six channel combinations.



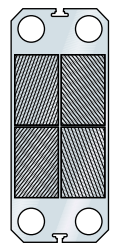
*The Ultraflex design allows two plates to be turned and rotated, giving six combinations of high- and low-theta plate pairs, matching the performance parameters of your application.*



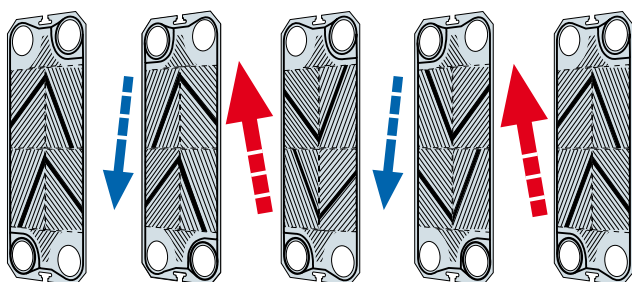
HS=  
High -theta,  
same direction



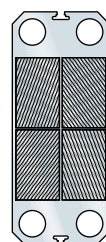
HD=  
High -theta,  
different directions



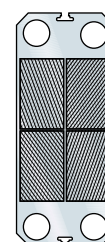
MS=  
Medium-theta,  
same direction



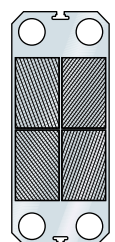
*Ultraflex allows asymmetrical designs, with the primary and secondary circuits designed for heat transfer efficiency.*



LS=  
Low -theta,  
same direction



LD=  
Low -theta,  
different directions

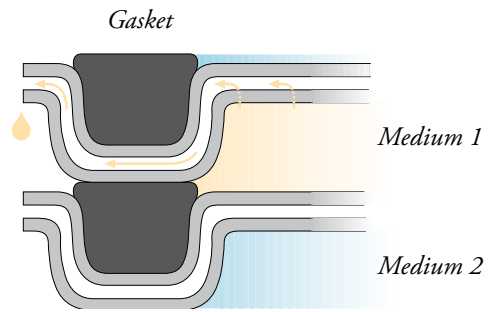


MD=  
Medium-theta,  
different directions



### GD Double Wall Plates

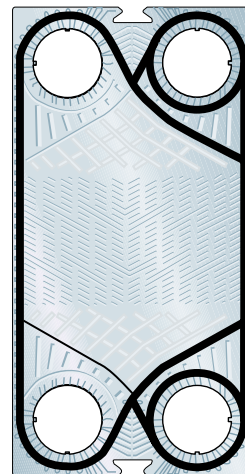
Two plates laser-welded together for optimal safety. For applications such as the pharmaceutical industry, food industry, district heating, cooling of transformer oil etc., where it is vital that media are not mixed.



Even if medium 1 should leak, it cannot mix with medium 2.

### GF Wide Gap Plates

Plates with wide channels for fibre- and particle-rich fluids. The plate pattern is optimised for cooling applications to give high thermal efficiency even with asymmetrical flows.



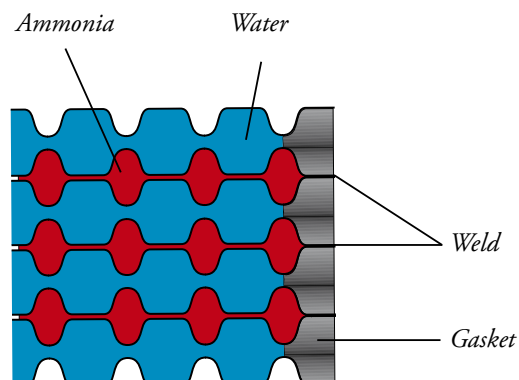
Wide/Narrow



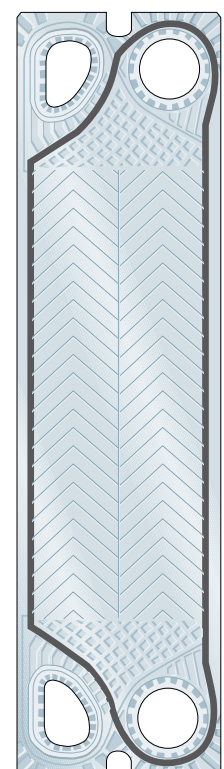
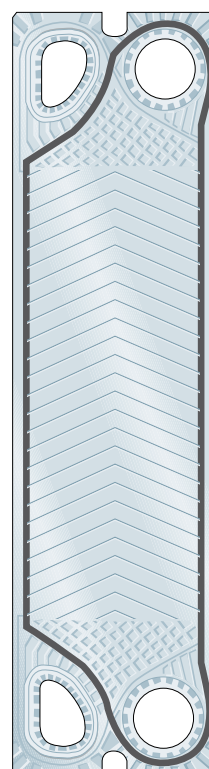
Medium/Medium

### GW Semi Welded Plates

With a sealed channel for ammonia and other fluids. The plate pattern is optimised for cooling applications to give high thermal efficiency even with asymmetrical flows.



The plate pairs are welded together to form a sealed channel for ammonia or other fluids.



# Welded Heat Exchangers



## SUPERMAX®

All-welded plate heat exchangers for high performance in industrial applications.

Can be manufactured from dissimilar materials when only one side will be exposed to corrosive conditions.

<i>Maxflow:</i>	<i>No real limitation*</i>
<i>Max work pressure:</i>	<i>100 bar and above</i>
<i>Temp. range:</i>	<i>-195°C to +900°C</i>
<i>Connections:</i>	<i>DN25 – DN700</i>
	<i>Weld neck, flange or threaded</i>

*\* No upper limitation as elements can be connected in parallel within the unit.*

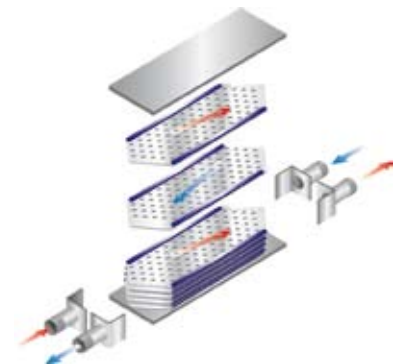


## MAXCHANGER®

Compact and versatile all-welded plate and frame heat exchanger. For high performance in compact space. Different fitting configurations allow flexibility. Double wall option.

<i>Maxflow:</i>	<i>No real limitation*</i>
<i>Max work pressure:</i>	<i>115 bar</i>
<i>Temp. range:</i>	<i>-195°C to +540°C</i>
<i>Connections:</i>	<i>DN25- DN50</i>
	<i>Threaded standard, options available</i>

*\* No upper limitation as elements can be connected in parallel within the unit.*





### Spiral Heat Exchanger

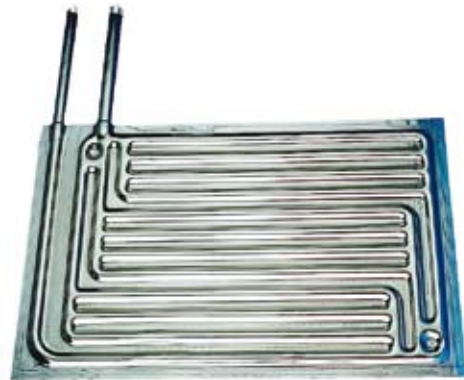
Spiral Heat Exchangers are utilised for a wide variety of industry applications, especially for process industries. They are custom made to be used as heaters, coolers, interchangers, condensers or evaporators.

Spiral heat exchangers are ideally suited for handling “difficult” fluids, such as sludges, slurries, heavyfouling, viscous and/or particle-laden liquids, but also where fluids have to condense or evaporate at low pressure drops.



<i>Maxflow:</i>	<i>No real limitation*</i>
<i>Max work pressure:</i>	<i>60 bar</i>
<i>Temp. range:</i>	<i>-100°C to +450°C</i>
<i>Connections:</i>	<i>DN25- DN500</i>

*\* No upper limitation as elements can be connected in parallel within the unit.*



### ECONOCOIL®

A light duty heat exchanger for a wide range of heating and cooling applications. Can be custom designed in a variety of shapes like this bank offering a low pressure drop.

<i>Maxflow:</i>	<i>No real limitation*</i>
<i>Max work pressure:</i>	<i>18 bar</i>
<i>Temp. range:</i>	<i>-140°C to +185°C</i> <i>standard execution</i>

*\* No upper limitation as elements can be connected in parallel within the unit.*

### PLATECOIL®

Prime surface/immersion heat exchanger. Constructed from two metal sheets forming a series of passages through which heating or cooling media\*\* flows. Available in over 300 sizes and in a variety of designed solutions.

*\*\*Water, freon, ammonia, calcium or sodium brine.*

<i>Maxflow:</i>	<i>No real limitation*</i>
<i>Max work pressure:</i>	<i>28 bar</i>
<i>Temp. range:</i>	<i>- 195°C to +260°C</i>

*\* No upper limitation as elements can be connected in parallel within the unit.*



## Welded Heat Exchangers

Compact heat exchangers for extreme temperatures, pressures and special designs that exceed gasket limitations. They offer high performance, small sizes, and minimal maintenance. The exchangers can handle liquids, gases, and two-phase mixtures at very high pressures and at low and high temperatures. They are manufactured to meet customer needs for the highest quality and efficiency.



*The large number of dimpled contact points in heat exchangers such as Maxchanger and Econocoil provide maximum pressure resistance and heat transfer.*



*The welded, sealed channels reduce the risk of intermixing fluids.*





At the forefront of heat exchanger technology for more than 70 years

Tranter top quality, high-performance, proprietary products are on the job in demanding industrial and commercial installations around the world. Backed by our comprehensive experience and worldwide presence, Tranter offers you exceptional system performance, applications assistance and local service. Tranter is close to its customers, with subsidiary companies, agents, distributors and representatives located worldwide. Contact us for a qualified discussion of your needs.



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