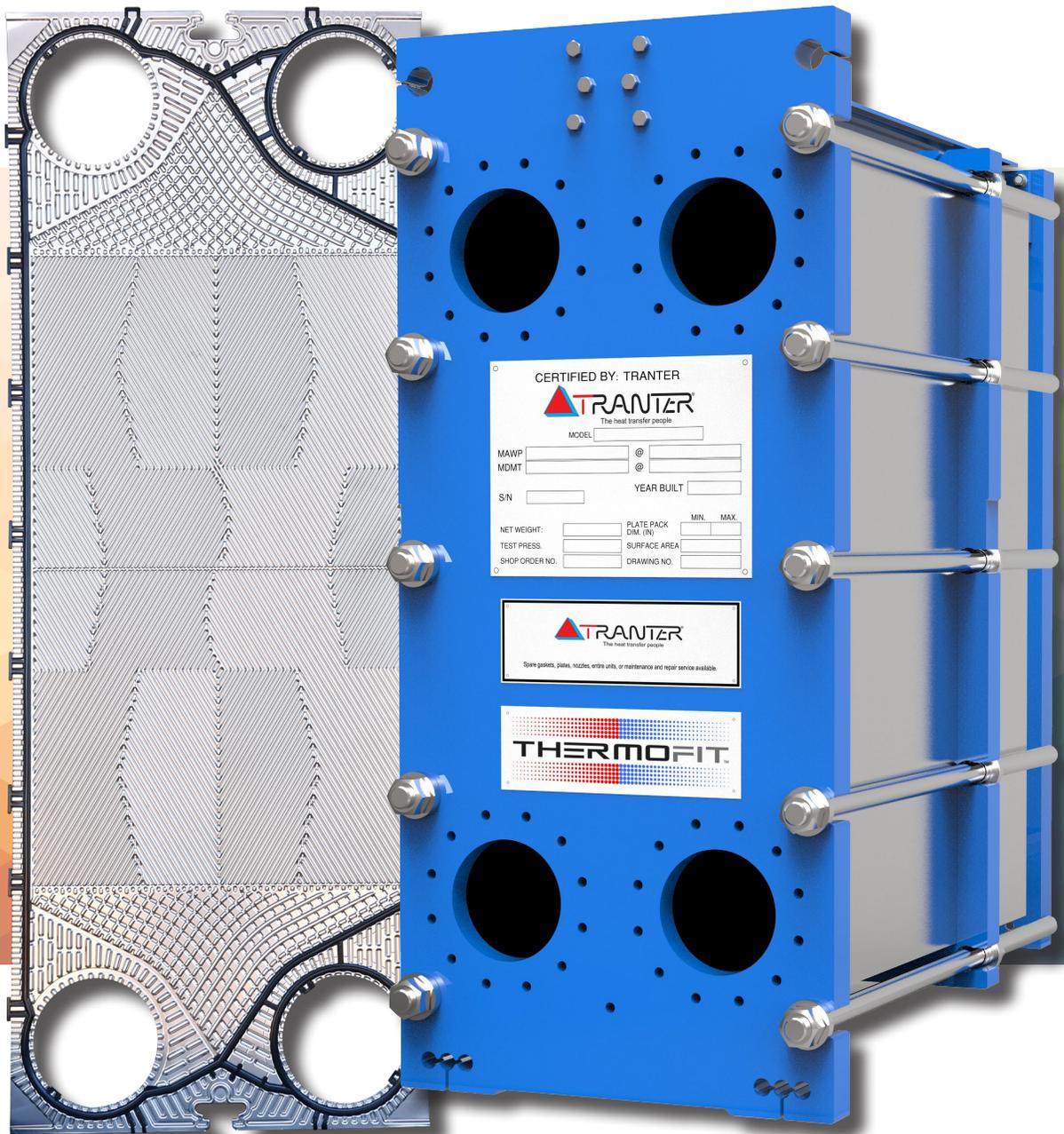
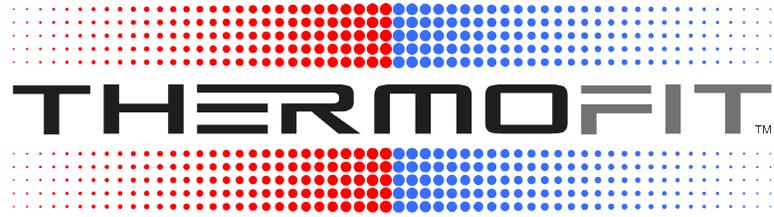


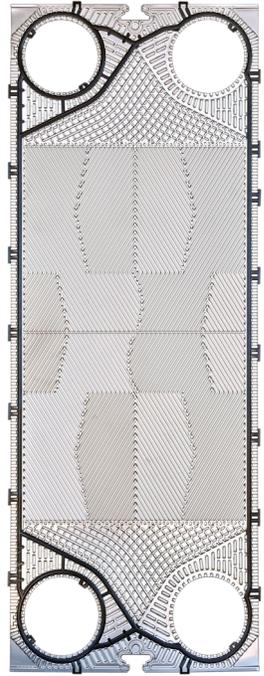
# TRANTER ADDS MORE TO PLATE RANGE IN THERMOFIT™ SERIES OF PLATE & FRAME HEAT EXCHANGERS



Tranter, Inc., has introduced the new GT Series of plate & frame heat exchangers. Available internationally, the GT Series is the first plate range in a new Tranter design concept offering a significant boost in heat exchange performance and unit integrity. A new addition to the GT Series now includes models GT-155, GT-160 and GT-165.

The range incorporates new design approaches in three primary areas:

- The HydroFit™ Flow Distribution System Concept
- The OmniFlex™ (patent pending) Heat Transfer Area Concept
- The Halo™ Plate Alignment Concept



Tranter's ThermoFit™ plate series provides your application the latest in heat transfer technology from the leader in compact heat transfer.

### **Fit for Performance**

High heat recovery combined with a close temperature approach provides efficient heat transfer which means that you pay less per thermal unit than other plate heat exchangers on the market. ThermoFit's high efficiency design reduces the overall required unit footprint and total weight giving you more flexibility in the tight spaces. Our HydroFit™ flow distribution allows for better flow across plates adding even more efficiency gains in addition to reduced fouling.

### **Fit for Strength**

Robust plates on the ThermoFit™ unit reduces the chance of leakage over time resulting in reduced maintenance on your system and unwanted down-time. Extra plate strength means that the unit will last longer than the competition under similar environments.

### **Fit for Service**

Low cost of ownership of process is key to running a profitable business. Rigid plates and support hangers reduce plate assembly time resulting in a lower total cost of ownership for the ThermoFit™ unit. Lower your operating costs add to your profit margin with ThermoFit™ on your team.

## ThermoFit™ Performance

As confirmed by extensive qualification testing, the ThermoFit™ Series offers outstanding potential for reduced unit size, weight and footprint in a wide range of applications. The design has achieved minimized plate width throughout the range to enhance flow distribution and hence heat exchange performance and also to reduce frame cost. The ThermoFit™ Series represents the highest thermal efficient plate in the Tranter line.

The range incorporates an optimized, low-delta-P HydroFit™ distribution section with induced turbulent, balanced flow across the plate—this achievement reserves the bulk of the exchanger pressure drop for the heat exchange area (Fig. 2). Our unique OmniFlex™ (patent pending) heat exchange zones improve mechanical contacts and ensure that every part of the heat transfer surface is utilized to induce high turbulence and enhanced heat transfer rates yet with low pressure drop (Fig. 3). The OmniFlex™ pattern also results in improved plate flatness that ensures consistent quality.

There are operational as well as performance improvements attained by the ThermoFit™ Series. The high induced turbulence throughout the exchanger resists fouling and scaling and improves the effectiveness of CIP operations, while also reducing pumping load.

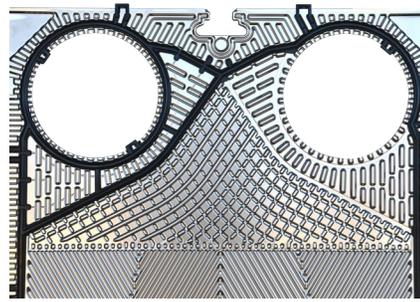


Fig. 2: The Hydro-Fit™ distribution section distributes flow uniformly across the plate, with low pressure drop.



Fig. 3: The OmniFlex™ heat exchange zones induce high turbulence and enhanced heat transfer rates, yet with low pressure drop

## ThermoFit™ Strength

The exclusive Halo™ plate alignment system with a plate-to-plate nesting feature establishes and maintains optimal plate alignment and gasket sealing integrity (Fig. 4). Assembly and closing operations of the prototype units confirmed that each plate accurately captures the plates and gaskets it comes in contact with. The stout, fully embossed hanger with fold-over helps to maintain accurate plate alignment throughout many opening/closing cycles (Fig. 4). The highly rigid and stable plate edge and port structure exhibits exceptional strength for impressive unit integrity (Fig. 5).



Fig. 4: The Halo™ plate alignment system with a plate-to-plate nesting feature establishes and maintains optimal plate alignment and gasket sealing integrity.

## Industry Codes Available

- AHRI Standard 400
- ASME Section VIII Division 1 with U-1 Stamp Construction
- Canadian CRN
- EC Pressure Equipment Directive CE Mark
- China ML

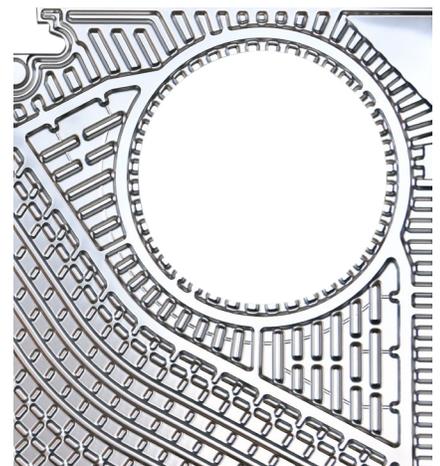


Fig. 5: The plate edge and port structure exhibits exceptional strength for impressive unit integrity.

GT-155/160/165 Basic Specifications				
Dimensional Data mm (inches)				
Model	Connection	W	H	L (max)
GT-155	DN150 (6")	505	1353	5429
GT-160	DN150 (6")	505	1853	5436
GT-165	DN150 (6")	505	2353	5436
Operating Data				
Pressure Class	Design Pressure	Design Temperature		
NR	10.3 barg (150 psig)	100°C (212°F)		
PR	16.0 barg (232 psig)	100°C (212°F)		
SR	27.0 barg (392 psig)	100°C (212°F)		

Specifications subject to change

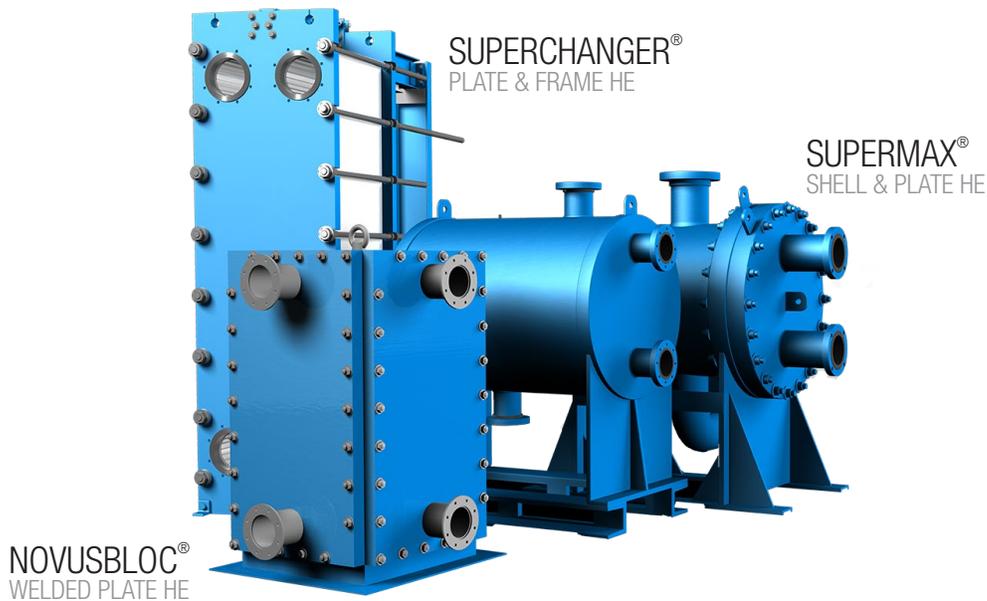
Standard Materials of Construction	
Heat Transfer Plates*	304SS, 316SS, Titanium
Gaskets*	NBR, EPDM
Connections*	Carbon Steel, 316LSS, Titanium
	*Other materials upon request



## Specialist in Plate Heat Exchanger Technology

Tranter has been active in the global market for more than 85 years, and hence has a long history of experience in gasketed and welded heat exchangers. We are represented worldwide via our own companies, agents and distributors.

We have quality-certified plants to ISO9001 in Sweden, Germany, USA, China and India, and a service network covering Europe, Asia, Middle East, North America, South America and Australia.



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