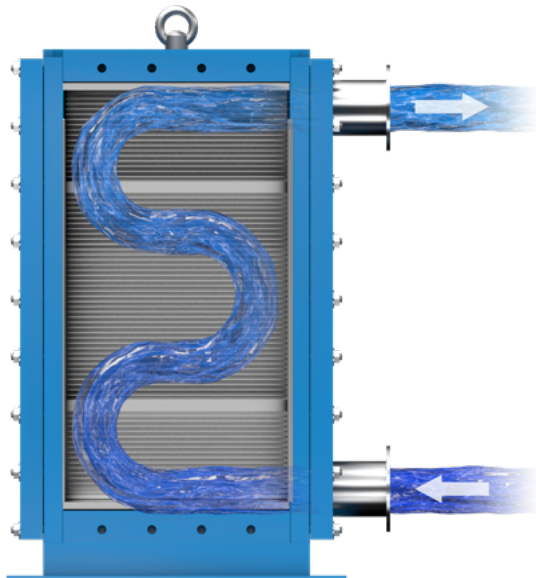


THE NOVUSBLOC® WELDED PLATE HEAT EXCHANGER

For increased durability and energy efficiency!



THE NOVUSBLOC COMES IN FOUR (4) DIFFERENT MODELS



Available for global energy intensive markets the NovusBloc welded plate heat exchanger encompasses a Tranter premium design concept offering a significant boost in heat exchange performance and durability for these processes.

As confirmed by extensive heat transfer, plus both pressure and temperature fatigue qualification testing, the NovusBloc offers outstanding potential for reduced unit size, weight and footprint with increased durability in a wide range of applications. The patented design offers unique features and benefits, which makes it a truly innovative design adding value to our customers.

The NovusBloc is fully accessible for mechanical cleaning and visual inspection making it our customers first choice of heat exchanger for applications with high fouling tendency.

The NovusBloc comes in four - different models, depending on the user's heat transfer duty requirements.

NO.	Model	Heat transfer area sq m	Plate size		Max connection size	Max unit height (mm)
			L (mm)	W (mm)		
1	TB030	0,11	333	333	DN 150 / ANSI 6"	1400
2	TB050	0,27	496	496	DN 300 / ANSI 12"	2150
3	TB075	0,64	762	762	DN 500 / ANSI 20"	3475
4	TB120	1,72	1219	1219	DN 1000 / ANSI 40"	3570

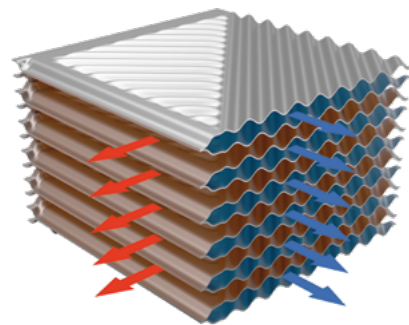
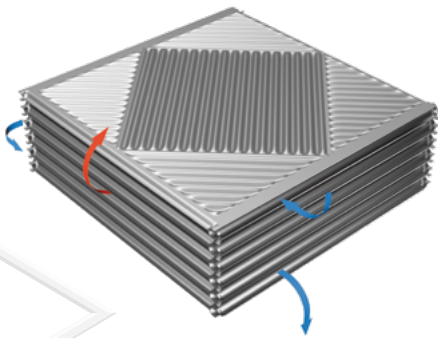
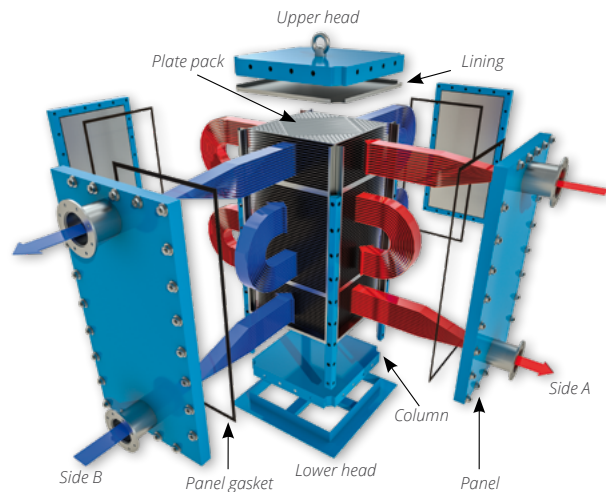
THE NOVUSBLOC WELDED PLATE HEAT EXCHANGER

The NovusBloc is able to withstand tough design conditions and the heat transfer plates can be pressed in many different materials. The product is available for the design specifications tabulated below:

	Minimum	Maximum
Area (m ² /set)	6,6	865
Temperature (°C)	- 50	375
Pressure (bar)	Full vacuum	42
Code / directive	ASME, PED	
Plate material	Stainless steels : SS316L, 254SMO Nickel alloys : C-276, 825 Titanium : Ti.Gr.1, Ti.Gr.11	
Plate thickness	1.0 mm and 1.2 mm	

The NovusBloc range incorporates unique premium design approaches in the following areas:

- Novel plate design which minimizes unnecessary additional pressure loss at the fluid inlet of each pass and enhances the weld quality of the plate welds.
- Highly innovative column lining design which enables the lining to move naturally when exposed to high temperatures thus minimizing failures due to thermal shocks by providing a uniform stress contour and reducing overall stress concentration in the lining.



A GLOBAL TEAM WITH KNOWLEDGE AND EXPERIENCE STRETCHING ACROSS ALL CONTINENTS

The more you seek energy performance, the more you need a heat exchanger service specialist. That's Tranter and we've been in this business for 90 years. Tranter has been providing service for plate heat exchangers for many decades. This, combined with us having an extensive global manufacturing and a continuous research and development, gives us an extensive solid technical expertise within all kinds of applications, making us a reliable service partner for your heat transfer equipment.

Worldwide service!

Tranter service center service teams are available at any time to restore your plate heat exchangers to best performing condition, wherever in the world your plant or vessel is located. Whether serviced during a planned shutdown or on an emergency basis. Whatever brand of plate heat exchangers you have installed, we will ensure that you continue to get the most value out of your heat exchangers.