TRANTER
The heat transfer people

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.

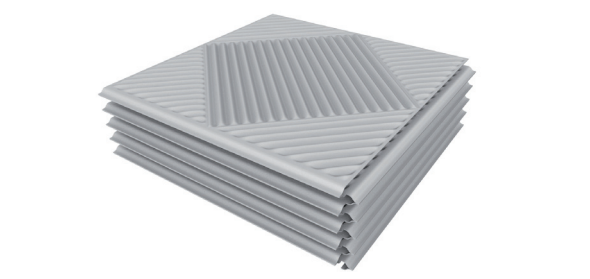
The NovusBloc™ is fully accessible for mechanical cleaning and visual inspection making it our customers' first choice of heat exchanger for applications with high fouling tendency.

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

NO.	Model	Heat Transfer Area	Plate Size		Max Connection Size	Max Unit Height (mm)
		sq m	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™** 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 shown in the table:



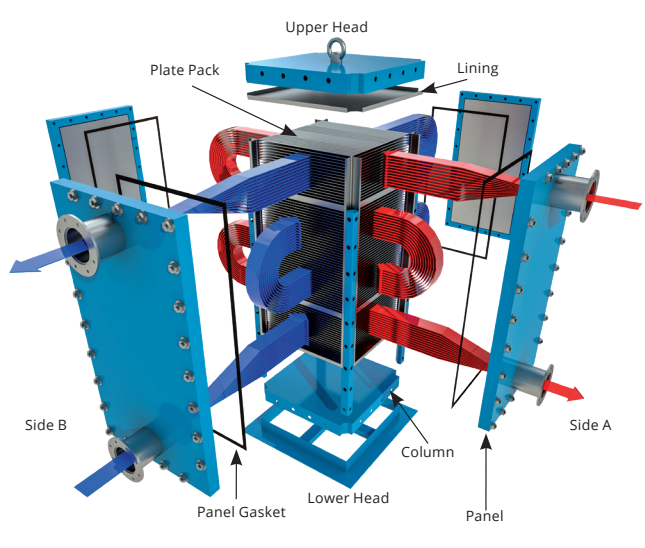
	Minimum	Maximum
Area (m2/set)	6,6	865
Temperature (°C)	- 50	375
Pressure (bar)	Full Vacuum	42
Code / Directive	ASME, PED	
Plate Material	Stainless Steels : SS316L, 254SMO Nickel Alloys : C-276, 825 Titanium : Ti.Gr.1, Ti.Gr.11	
Plate Thickness	1.0 mm and 1.2 mm	

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.

In summary, the NovusBloc™ is the premium product for your heat transfer needs!



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 plate heat exchangers. We are represented worldwide via our own companies, agents and distributors. We have ISO9001 qualified factories in Sweden, USA, Brazil, China and India, and a service network covering Europe, Asia, Middle East & Africa, North America, South America and Australia.

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