

A close-up photograph of various industrial components, including circular metal plates with holes and bolts, likely parts of a heat exchanger. The lighting is dramatic, highlighting the metallic textures and shadows.

Free Yourself from Gaskets! Our Fully Welded Plate Exchanger...

ADVANTAGES OF NOT HAVING GASKETS

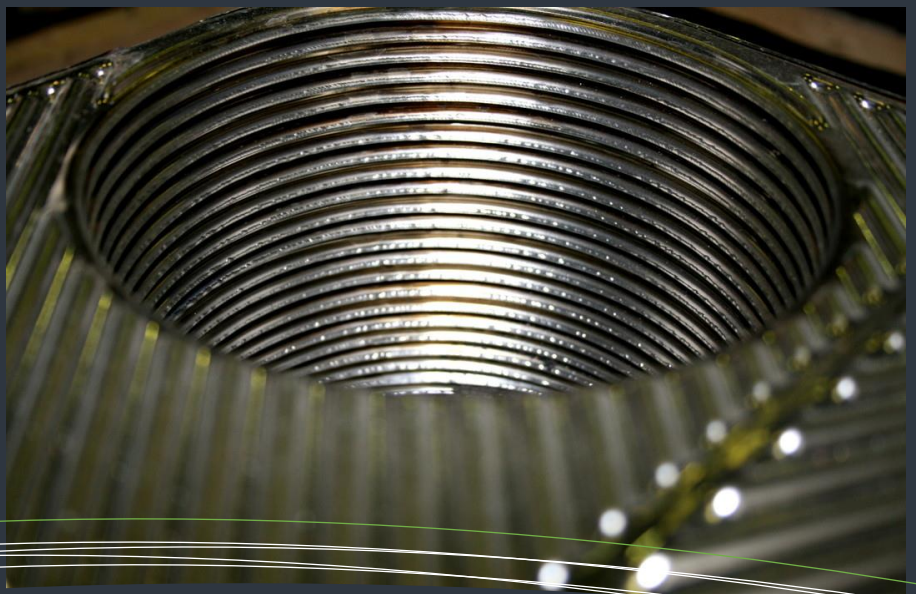
Plate heat exchangers are versatile and inexpensive however the elastomer gaskets can be problematic for some applications. Below are some of the advantages of an all-welded plate exchanger:

1. Gaskets age and need to be replaced on occasion. All welded exchangers can keep operating indefinitely.
2. Gasket compatibility is not an issue.
3. Equipment can be run at much HIGHER temperatures, up to 300 degrees Celsius!
4. Capable of operating at high pressures, up to 25 bar without risk of spraying from gaskets.

All of this and together with the performance of a typical plate exchanger!

Patented Plate Welding Technology

The plate pack welding technology is patented and this type of exchanger has been in production at Tenez for more than 20 years. The technology is robust and cost effective!



Compact and Versatile!



Case Study #2 – Medium Exchanger

		ST3	ST12	ST18	ST30	ST40
Surface area	m ²	0.2 – 2.7	2 – 16.5	3.4 – 25.3	2.4 – 91.1	2.7 – 99.4
Max pressure	bar	-1 / 25	-1 / 25	-1 / 25	-1 / 25	-1 / 25
Max temperature	°C	-100 / 300	-100 / 300	-100 / 300	-100 / 300	-100 / 300
Max flowrate	m ³ /hr	8.5	35	35	180 / 450	180 / 450
Internal volume	ltr	0.2 – 2.7	1.9 – 16	2.5 – 21.7	5.9 – 84.1	8.2 – 115.8
Dry weight	kg	9 – 25	100 – 177	136 – 247	400 – 1050	500 – 1310
Nozzle size		1"	2"	2"	4" / 6"	4" / 6"

All models designed to ASME code

Plate materials:

1. Stainless steel
2. Titanium
3. Hastelloy
4. 904L

