

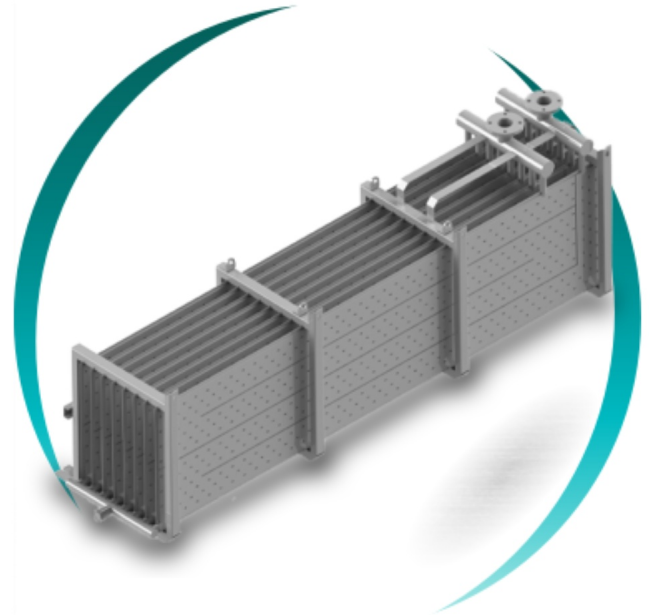
Pillow plate exchanger

Dimple technology for demanding processes



Heat exchanger made up of two metal plates welded and inflated in a controlled manner, generating a three-dimensional dimple morphology that maximises the overall heat-transfer coefficient even under complex flow conditions, fluids with fouling or transient operating regimes.

It can be configured as a flat or curved surface, integrated directly into tanks, applied outdoors, in immersion modules, as a thermal jacket or as a direct-contact surface. It is used in food and beverages —dairy, beer, wine, juices, ice—, chemical and pharmaceutical, energy and petrochemical, paper and heavy industry, and naval. Efficiency of up to 90% and compatibility with CIP/SIP systems make it especially suitable for sanitary applications. Fully custom design, with no gaskets in contact with the product, and up to 70% fewer welds than alternative solutions.



TECHNICAL SPECIFICATIONS

Technology	Welded and inflated plates (dimple)
Efficiency	up to 90%
Welds vs alternatives	up to 70% fewer
Cleaning compatibility	CIP / SIP
Configuration	Flat, curved, jacket, immersion
Materials	Stainless steel / special alloys
Typical ROI	3-12 months

~90%

recovery efficiency

Dimple

high-turbulence
geometry

CIP

automatic-cleaning
compatible