

Plate and gasket exchanger

High efficiency for clean, solids-free fluids



Compact, high-thermal-efficiency equipment made up of corrugated plates stacked and sealed with removable elastomeric gaskets. The optimal solution for heating or cooling clean fluids —water, glycol, pure chemical solutions— when energy performance, space savings and operational flexibility are priorities in industrial installations.

It is used in agri-food —pasteurisation, cooling and thermal treatments—, HVAC, cogeneration, ORC, pharmaceutical, swimming pools, district heating and process chemistry. The controlled turbulence in the channels maximises the overall heat-transfer coefficient. The modular architecture allows the thermal power to be increased by adding plates to the same frame, without a new unit, and quick disassembly makes cleaning and inspection easy. It is not recommended for fluids with solids, high viscosity or high pressure, where tubular technologies are more suitable.



TECHNICAL SPECIFICATIONS

Transfer density	Very high (high plate turbulence)
Footprint	Excellent (minimal volume)
Maximum pressure	Limited by gaskets
Maximum temperature	Limited by gaskets
Suitable fluids	Clean, low viscosity, solids-free
Flexibility	Expandable by adding plates
Materials	AISI 304, 316, titanium, special alloys

Modular

expansion without
new unit

PHE

high thermal
efficiency

CIP

closed-circuit
cleaning