

Concentric tube exchanger

Heat exchange for fluids with solids



Liquid-to-liquid heat-exchange equipment with coaxial geometry, where one fluid flows through the inner tube and the other through the annular space between the two tubes. This arrangement offers high fouling tolerance, high mechanical strength and quick maintenance through direct linear access to the tubes.

Particularly suitable for processes with fluids containing solids, fibres or impurities: food and beverage, pharmaceutical, chemical and petrochemical industries, water treatment and industrial heat recovery. It can operate in counterflow —the configuration of maximum energy efficiency— or in parallel flow for thermal stabilisation. The multi-circuit configuration allows the thermal capacity to be increased without significantly increasing the footprint. The compact, modular and scalable design makes integration easy in both new installations and existing systems, adapting precisely to the real process conditions.



TECHNICAL SPECIFICATIONS

Flow configuration	Counterflow / parallel flow
Fouling tolerance	Excellent (large-diameter tubes)
Working pressure	High
Working temperature	High
Materials	AISI 304, 316L, 316Ti, 321, 309, titanium
Circuits	Single or parallel multi-circuit
Maintenance	Direct linear tube access

Coaxial

simple, reliable geometry

~3-12m

typical investment return

Custom

individualised design