

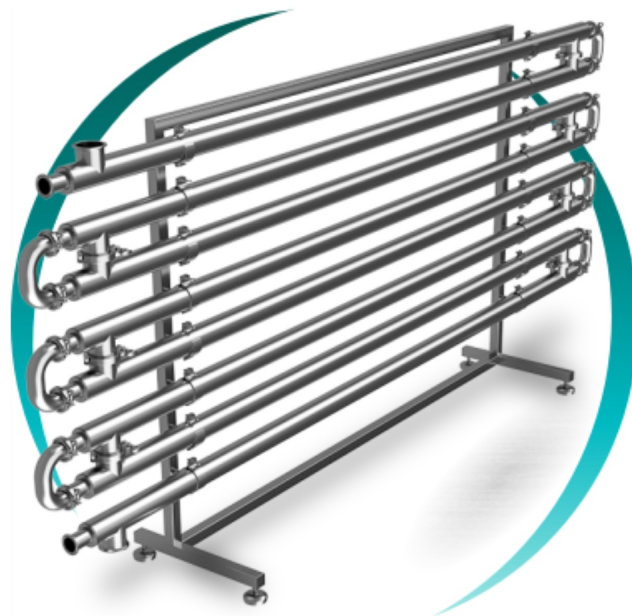
# Tubular heat exchanger

For viscous, pasty and residue-laden fluids



Modular and removable multitubular equipment, designed specifically for industrial processes where fluid behaviour is the determining design factor: viscous and pasty fluids, non-Newtonian fluids, streams with solids, fibres or sediments, and processes with high fouling risk.

It is used in the food industry —fats, juices, purées, dairy, wines and creams—, wastewater and sludge treatment, chemical, pharmaceutical, biotechnology, paper and cosmetics. The removable-bend design provides direct access to each tube for individual mechanical cleaning, drastically reducing the impact of fouling and ensuring constant thermodynamic performance even under severe operating conditions. The design criterion prioritises operational reliability and effective cleaning over maximum compactness. Main materials: AISI 304 and 316, selected according to the chemical nature of the fluid.



## TECHNICAL SPECIFICATIONS

|                   |  |
|-------------------|--|
| Design            | <b>Modular multitubular, removable bends</b> |
| Fouling tolerance | <b>Very high</b>                             |
| Cleaning access   | <b>Direct, tube by tube</b>                  |
| Admissible fluids | <b>Viscous, pasty, with solids/fibres</b>    |
| Materials         | <b>AISI 304, 316</b>                         |
| Ideal for         | <b>Non-Newtonian fluids, sludge, slurry</b>  |
| Typical ROI       | <b>3-12 months</b>                           |

**Modular**

sectioned  
removable design

**+ROI**

~3-12 months  
payback

**CIM**

direct mechanical  
cleaning