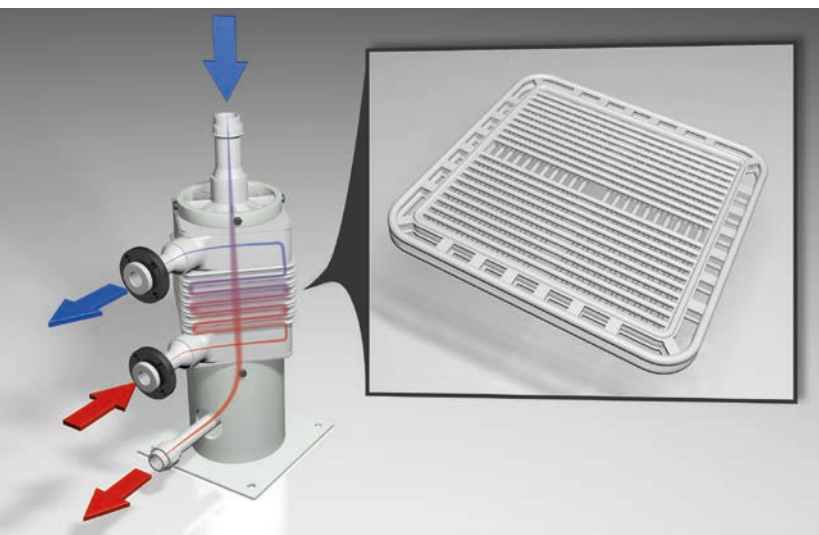


# CALORPLAST Liquid / Liquid Polymer Heat Exchanger

- where outstanding corrosion resistance matters
- where reliability matters
- where efficiency matters

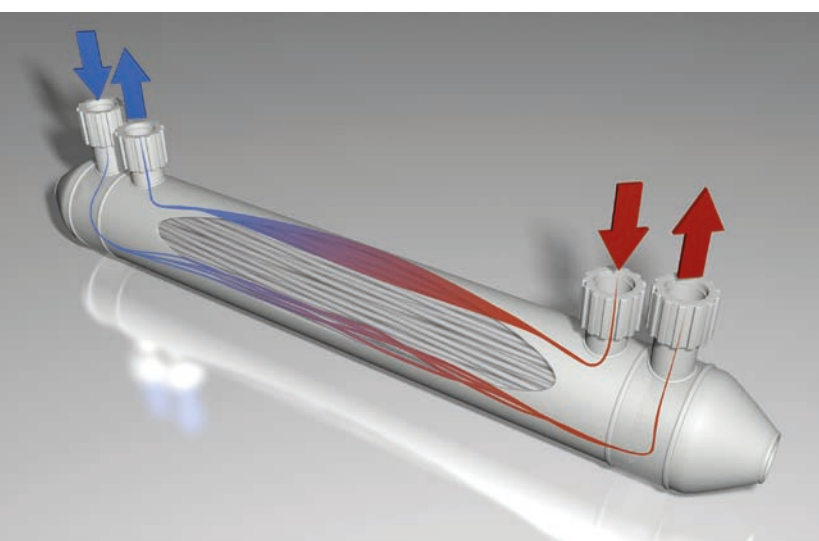


# APPLICATIONS



## Tube Plate Heat Exchanger

- Closed loop external heat exchanger for free flowing liquids, both clean or low contaminated
- For heating or cooling of fluids or condensation of vapors
- Compact and completely welded design
- High heat transfer rates
- Use of thin walled tubes that minimizes the adhesion of particles
- 1 to 20 m<sup>2</sup> heat transfer surface (per column)
- Materials: PE-RT, PVDF



## Shell and Tube Heat Exchanger

- Closed loop external heat exchanger for heating, cooling, condensation or evaporation of corrosive, purified fluids
- For heating or cooling of fluids or condensation of vapours
- Customized design
- 1 to 20 m<sup>2</sup> heat transfer surface
- Materials: PE, PVDF or PFA\*

\*Limited designs


## Technical Data

■ Operation temperatures:	-30 to +140 °C -22 to +285 °F (depending on the material chosen)
■ Operation pressure:	3 to 16 bar (depending on the material chosen and the operation temperature)
■ Pressure drop:	50 mbar (approx.)





# BENEFITS

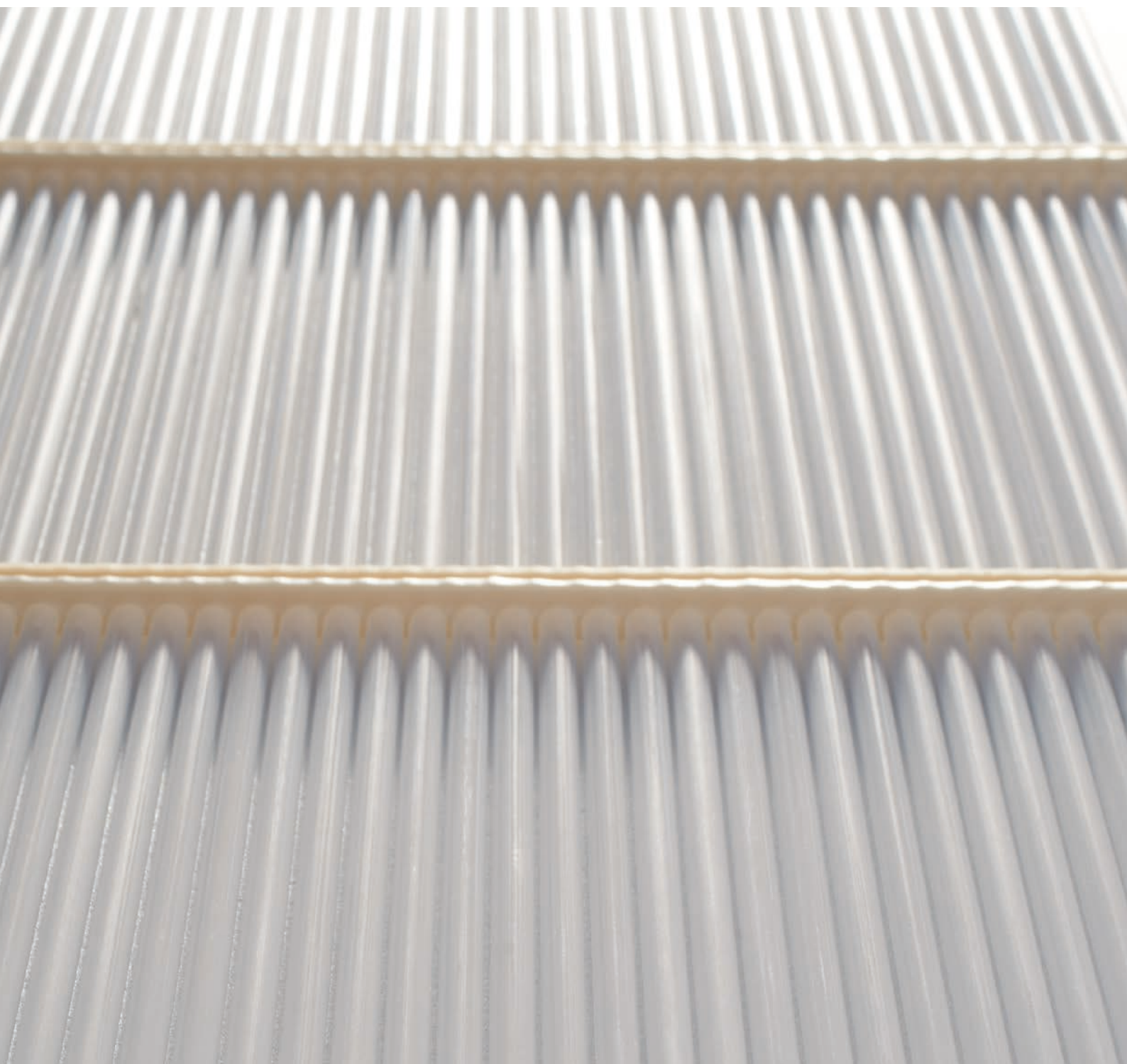
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- The image shows a large industrial heat exchanger unit. It consists of four vertical cylindrical vessels, each filled with a dense stack of horizontal, corrugated metal plates. These vessels are mounted on a sturdy metal frame. At the top and bottom of each vessel, there are complex piping systems with multiple valves, including large black-handled manual valves and smaller control valves. The entire unit is designed for high efficiency and compactness in industrial settings.
- High cooling and heating efficiency
  - Flexible and compact design
  - Fully corrosion resistant
  - Best in class flow efficiency
  - 30 years of experience



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