



In the plate heat exchanger, the hot and cold flows alternating sides pass through the gaps left by the plates, thus resulting in heat transfer.

The advantage of this type of heat exchanger is a compact configuration, and therefore are suitably used in confined spaces.

The plates have a geometry that causes a turbulence in the fluid, improving heat transfer.

TC 01.2 - PLATE HEAT EXCHANGER

LEARNING OBJECTIVES

- Balance of energies in the exchanger.
- Calculate the log mean temperature difference.
- Determination of the overall heat transfer coefficient.
- Calculation of effectiveness.

TECHNICAL DATA

- Dimensions: 440x250x150mm
- Number of rings: 20
- Heat transfer surface: 0.25 m²

REQUIREMENTS

- TC 01.1 HEAT EXCHANGER SUPPLY UNIT