

Title (en)
FLAT TUBE HEAT EXCHANGER

Title (de)
FLACHROHRWÄRMEÜBERTRAGER

Title (fr)
ÉCHANGEUR DE CHALEUR TUBULAIRE PLAN

Publication
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Application
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Abstract (en)
[origin: WO2021244783A1] The invention relates to a flat tube heat exchanger, in particular to a high-temperature flat tube heat exchanger for gaseous media, comprising a closed housing (5) having a tube bundle space (50) and a tube bundle, arranged in the tube bundle space (50) of the housing (5), comprising multiple flat tubes (2), there being arranged, in the flat tubes (2) and in the tube bundle space (50) between the flat tubes (2), corrugated strips (3, 6) having peaks (30, 60) and troughs (31, 61) extending in the longitudinal direction of the flat tubes (2), wherein the peaks (30, 60) and troughs (31, 61) respectively bear internally and externally against flat sides (200) of the flat tubes (2), and wherein there is provided a device for externally applying a surface pressure to the housing (5), at least in the region of the tube bundle space (50), this pressure being higher than a pressure (p1, p2) of the media guided in the flat tubes (2) or around the flat tubes (2).

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