

Title (en)
PLATE-LIKE HEAT EXCHANGER WITH RIGID STRUCTURE

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Application
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Abstract (en)
[origin: US4407359A] The invention relates to a rigid structure plate heat exchanger. The plates of this exchanger comprise a central exchange area and two parallel borders which, when stacked, form two distributor blocks. For one of each pair of spaces distribution takes place in a particular block by issuing directly on to the face of the stack, while for the other space in the pair it takes place by issuing on to a line of passages obtained by facing perforations throughout the stack. The perforations are elongated in the flow direction of the fluids from one distributor block to the other. The borders of the plates are staggered on either side of the plane of the central area. One of the borders is in planar contact with the border of the upper plate. The other border is in contact with the border of the lower plate leading to a so-called concertina structure closing alternate spaces in each distributor block.

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