

Title (en)  
PLATE HEAT EXCHANGER

Title (de)  
PLATTENWÄRMETAUSCHER

Title (fr)  
ECHANGEUR DE CHALEUR A PLAQUES

Publication  
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Application  
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Priority  
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Abstract (en)  
[origin: WO9930099A1] The invention relates to a plate heat exchanger (1) which consists of a plate stack (12) composed of advantageously circular grooved plates (2, 3) welded together. The clearances between the plates (2, 3) form flow ducts (16, 17) for flows of a heat-supplying medium and a heat-receiving medium. The plates (2, 3) are provided with holes (6, 8, 9) which form inlet and outlet channels (13, 14, 15) for the flows (20, 39) of the heat transfer media. At least one of the holes (6) on the plates (2, 3) is located substantially in the centre of the plate (2, 3). The plate heat exchanger (1) operates on the cross flow principle. When the plate heat exchanger (1) is provided with a partly opened mantle which connects the end plates (31, 32) together, and the central channel (13) is provided with a partly opened pipe to control the flows, the plate heat exchanger (1) is made to function both on the counter flow principle and the forward flow principle.

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