Title (en)
A PLATE HEAT EXCHANGER HAVING A WEDGE-SHAPED GASKET

Title (de)
PLATTENWÄRMETAUSCHER MIT KEILFÖRMIGER DICHTUNG

Title (fr)
ECHANGEUR THERMIQUE A PLATEAUX DOTE D'UN JOINT EN BISEAU

Publication
EP 1047913 A1 20001102 (EN)

Application
EP 99900442 A 19990111

Priority
- DK 9900012 W 19990111
- DK 2898 A 19980112

Abstract (en)
[origin: WO9935457A1] A plate heat exchanger comprising a plurality of stacked heat exchanger plates (1; 11) which each have four through openings (3, 4). The plate heat exchanger moreover comprises gaskets (2; 12) which, on one side of each plate (1; 11), define a first flow area (5) comprising two through openings (3) for a first heat exchanger medium, while the two other openings (4) are blocked, and, on the other side of the plate (1; 11), define a second flow area which has essentially the same extent as the first flow area (5), and which comprises two other through openings (4) for a second heat exchanger medium, while the two first openings (3) are blocked. The stacked heat exchanger plates (1; 11) thus form a plate heat exchanger having at least one area (7, 8) for each plate (1; 11) which is just provided with gaskets (2; 12) on one side. The gasket (2; 12), at least in an area in which gaskets (2; 12) are just provided between every second plate (1; 11), has a cross section which is wedge-shaped over a considerable part of the width of the gasket with the widest side facing the heat exchanger medium and the narrowest side facing away from the heat exchanger medium, and in this area each heat exchanger plate (1; 11) has a complementarily shaped gasket groove (6; 14, 15) to support the gasket (2; 12).

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