

Title (en)
A HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR

Publication
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Application
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Abstract (en)
The invention relates to a heat exchanger (1) adapted for circulation of a first fluid therein comprising a first manifold group (100) and a second manifold group (200) arranged substantially in parallel with respect to each other, a plurality of tubes (500) extending between the first manifold group (100) and the second manifold group (200), and a third manifold group (300) arranged either at the level of the first manifold group (100), or at the level of the second manifold group (200), wherein the tubes (500) are arranged in a first stack (501) and at least one second stack (502), so that the third manifold group (300) enables a U-flow between at least part of the tubes (500) of the stacks (501, 502), characterized in that the first manifold group (100) comprises at least two primary fluid compartments (101A, 101B) arranged remote one to another so that one primary fluid compartment (101A) is connected directly to at least part of one stack (501) and the other primary fluid compartment (101B) is connected directly to at least part of the other stack (502), and in that the second manifold group (200) comprises at least two secondary fluid compartments (201A, 201B) arranged remote one to another so that one secondary fluid compartment (201A) is connected directly to at least part of one stack (501) and the other secondary fluid compartment (201B) connected directly to at least part of the other stack (502).

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