

Title (en)
COOLER, IN PARTICULAR GAS COOLER TO A COOLING SYSTEM

Title (de)
KÜHLER, INSBESONDERE GASKÜHLER EINES KÜHLSYSTEMS

Title (fr)
REFROIDISSEUR, EN PARTICULIER DE GAZ POUR UN SYSTÈME DE REFROIDISSEMENT

Publication
EP 3246646 B1 20230104 (EN)

Application
EP 16170580 A 20160520

Priority
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Abstract (en)
[origin: EP3246646A1] A cooler, preferably a gas cooler for a cooling system, comprising an inlet zone (I) and an outlet zone (II) of the cooling medium, each of which contains a set of flat tubes (6) located parallel to each other and an inlet/outlet manifold (1a) and an inner manifold (1b), wherein said flat tubes (6) of the inlet and outlet zones (I,II) are connected at opposite ends to the inlet/outlet manifold (1a) and the inner manifold (1b) for supplying from the inlet zone (I), guiding it to the outlet zone (II) and discharging it from the outlet zone. The cooler is characterised in that it comprises an insulating tube (5) having first and second ends and disposed between the inlet and outlet zones (I,II) of the cooling medium, and extended longitudinally to said flat tubes (6) of the zones (I,II) to separate and isolate the cooler zones, an inlet/outlet manifold (1a) comprising two segments (4a, 4b) of the inner housing (4). Segments (4a,4b) having the inner ends facing each other, and said inner ends are closed by means of baffles (3) and are arranged at a distance to each other and the cover (2) mounted on said inner housing (4) in the form of one part. Said cover (2) having a central slot (8) formed and arranged for receiving the first end of said insulating tube (5) and placing it between the segments (4a, 4b) of the inner housing (4); wherein said second end of the insulating tube (5) is located in front of outer surface of the cover (2') of said inner housing (4) of said inner manifold (1b).

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