

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR

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Abstract (en)
[origin: WO2018054643A1] The invention relates to a heat exchanger (1) for cooling a working medium (12) by means of a cooling medium (13) with separation of the mediums, comprising a housing (2) having a housing casing (4), a working medium inlet (5), a working medium outlet (6), a cooling medium inlet (7) and a cooling medium outlet (8), and comprising a heat exchanger block (3) which is located in the housing (2) and has a front end cap (9) near the working medium inlet (5) and a rear end cap (10) remote from the working medium inlet (5), as well as multiple working medium pipes (11) for carrying the working medium (12), which pipes pass through the two end caps (9, 10) and are securely connected to the two end caps (9, 10), wherein an axial ring seal (19) is arranged axially between an edge (17) of the rear base (10) and a step (18) on the housing (2). An improved sealing function can be achieved if the housing (2) has at least one clip-in contour (20) in the region of the step (18), which cooperates with a mating clip-in contour (21) on the edge (17) on a rear side (22) of the edge (17) facing away from the ring seal (19).

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