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HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR

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Abstract (en)
The present disclosure discloses a heat exchanger including a group of collecting pipes and a number of heat exchange assemblies. The heat exchange assemblies are arranged along a length of the collecting pipe. Each heat exchange assembly includes a fin plate and at least one heat exchange tube. The heat exchange assembly includes a main heat exchange area. The heat exchange tube is connected with the fin plate. The heat exchange tube is connected between the two collecting pipes in the length direction. An inner flow channel of the heat exchange tube communicates with inner cavities of the two collecting pipes. The heat exchange tube at least partially protrudes from at least one side of the fin plate. In addition, in the main heat exchange area corresponding to two adjacent heat exchange assemblies, at least two adjacent heat exchange tubes are staggered along an array direction of the heat exchange assemblies. The two heat exchange tubes respectively belong to the two adjacent heat exchange assemblies. The present disclosure is beneficial to improve the performance of the heat exchanger.

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