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The invention relates to heat exchangers and may be used in the heat-power engineering and other fields of technology for liquid heating with the help of heat sources.

The heat exchanger comprises at least one plate in the form of circle or polygon in plane, equipped with liquid supply and outlet branch pipes, wherein it is made a U-shaped or serpentine channel. Round the perimeter of the plate it is made a skirting. Novelty consists in that onto the surface of each straight portion of the channel there is made a cutting in the form of spiral. Into the plate between the straight portions of the channel there are made through transversal holes. The plate is made of an alloy having the following composition, in mass%: Al 60...88, Pb 5...17, Zn 5...17, Mn 0.5...1, Cr 0.5...1, Mg 1...4. Onto every second straight portion of the channel there can be made an inverse cutting.

Claims: 2

Fig.: 2