

The invention relates to the heat exchange apparatus and can be used in private life and in different areas of industry. The spiral heat exchanger of the type "pipe in pipe" comprises the outer and the inner pipes, those are arranged as a spiral and placed with a gap between those; a that the branch pipe for supply of liquid being heated is placed at the side of the branch pipe for the heat carrier discharge, and the branch pipe for the liquid being heated discharge is placed at the side of the heat carrier supply. The spirals have a shape of screw line. In the inner space of the heat exchanger formed by the outer spiral a compensation tank is installed, the branch pipe of this one is connected to the pipeline for the heated water supply to consumer. The device makes it possible to heat uniformly the volume of water corresponding to the average load of the heat exchanger, with keeping heated water and with use of it in the cases of maximal load, thus increasing the power of the heat exchanger by 20-30 % without increase of the overall dimensions of the installation.