

A heat accumulator contains a two-walled body with a horizontal longitudinal axis, with a bottom and a vacuum powder isolation of the gap between the walls, an input nipple and an output nipple of the heat-transfer agent, which is passing through a bottom, a longitudinal leakproof heat-accumulating capsules filled with a heat-accumulating material and installed in the leakproof cavity of the heat-transfer agent circulation. An input nipple and an output nipple of the heat-transfer agent are arranged in alignment along the horizontal longitudinal axis, the heat-accumulating capsules are realized in the form of a circular cylinder and installed in the cross diaphragms with a segment cuts, which are positioned in oppositely located adjacent diaphragms. The flanks of the capsules are fixed by the cross limiting baffles with a perforation.