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The invention relates to the field of heat and power engineering, in particular to devices for conversion of natural energy: solar radiation into heat energy, atmosphere and space energy into cold, and can be used in the natural heat and cold supply systems.

The collector-accumulator contains a thermally insulated chamber in the form of a parallelepiped or a truncated pyramid with a transparent coating for the electromagnetic radiation. Inside, the chamber is divided by partitions into sectors and by a crossover into a ceiling compartment. Each sector is divided by shelves into tiers, on which are installed accumulating elements. In the ceiling compartment is installed an absorber/radiator, for example, in the form of rows of blackened grids, under which is installed a flow heat exchanger. The sectors and the ceiling compartment are equipped with lids with reflectors and channels for the gaseous coolant. The collector-accumulator contains a box, divided into flues, communicating with the sectors and the ceiling compartment, and a coolant circulation system with shut-off-and-regulating elements.

The result of the invention consists in the multitude of variants of the modes of operation of the collector-accumulator, the work on liquid and gaseous coolants, and the design simplicity.

Claims: 5

Fig.: 7