

s 2009 0020

The invention relates to solar-to-heat energy conversion devices and can be used in the warm period of the year for heating of the heat-transfer agent, for example of water, for everyday necessities in the individual city, suburban and rural type economies.

The solar liquid heater comprises a body, consisting of the transparent and elastic upper part, filled with air, and the blackened lower part, filled with water, separated by an elastic and transparent diaphragm. The lower part of the body is equipped with a water inlet-outlet nipple, to which it is connected a hose, and an air outlet tube, installed under the diaphragm, in the opposite part from the water inlet-outlet nipple. The upper part of the body is equipped with a nipple for its inflation. At the same time, the heater body is made with the possibility of placement at an angle on a surface with inclination towards the water inlet-outlet nipple.

The result of the invention consists in improving the functional performance and reliability of the solar heater, as well as in simplifying its construction.

Claims: 2

Fig.: 1