

The invention relates to heat engineering, in particular to solar heat storage plants for greenhouses, and can be used in heat supply systems with heat storage in the ground.

The plant, according to the invention, comprises a room of heat-insulating material (3) with access from the outside, made in a pit (1) with a ceiling (2), in the ground, under a greenhouse (23) with transparent walls, equipped with a solar collector (21) and a heating radiator (22), connected to pipes with water. In the room of heat-insulating material (3) are installed identical vertical columns of plastic boxes (4, 6, 7, 8), in which are placed polyethylene bottles with water (5). Between the columns is placed an inlet heat exchanger pipe (15), connected to the solar collector (21), and an outlet heat exchanger pipe (18), connected to the heating radiator (22) of the greenhouse (23). The space between the walls of the pit (1) and the room (3) is filled with fragments of polyethylene bottles of different sizes, placed in groups (9, 10, 11, 12).

Claims: 1

Fig.: 2

