

Title (en)
STORAGE TANK ASSEMBLY

Title (de)
SPEICHERBEHÄLTERANORDNUNG

Title (fr)
ENSEMBLE D'ACCUMULATEUR D'EAU

Publication
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Application
EP 08836185 A 20080925

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Abstract (en)
[origin: WO2009043786A2] The present invention relates to a module for heating or cooling one or more storage media, particularly a drinking water and heating installation, comprising one combined or several separated storage containers for the respective storage media. The invention is characterized in that a heat pump is provided as a heat or cold source and optionally the heat supply from a solar power plant or other conventional energy producers can be incorporated, wherein the coefficient of performance of the installation can be increased by direct condensation and/or evaporation. The module comprises two or more adjacent heat exchangers (1, 2) with respective feed and discharge lines (15, 16) which can be interconnected via an independent circuit (17) arranged in a housing (21), a first heat exchanger (1) protruding with a corresponding first connection into the first storage chamber (25), the second heat exchanger (5) protruding with the corresponding second connection into the second storage chamber (29) and optionally further heat exchangers protruding with their respective connections into further storage chambers. According to the invention, the storage chambers (25, 29) can be connected to each other or separated from one another and the heat exchangers (1, 5) are connected to a single heat pump disposed in the housing (21) out of which the heat exchangers (1, 5) and/or their feed lines protrude.

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