

ABSTRACT

The invention relates to a heat exchanger panel comprising a heat exchanger. The heat exchanger
5 has a medium line for conducting a heat exchange medium from a medium inlet to a medium outlet
and a heat-conducting heat exchanger wall which is connected to the medium line, and the heat
exchanger wall forms an interface facing a space which can be brought to a lower temperature than
a heat load. At least one surface element is arranged between the boundary surface and the room,
10 which is at least partially permeable to heat radiation and virtually impermeable to air, so that a
virtually airtight intermediate space is formed between the boundary surface and the surface
element. The heat exchanger is characterized by the fact that a condensation cavity is formed in
the area adjacent to the medium inlet, adjacent to the medium line and on the side facing away
from the heat exchanger wall with respect to the surface element, and the heat exchanger wall has
15 at least one opening so that the intermediate space is connected to the condensation cavity in a
communicating manner. A capillary material is arranged in the condensation cavity or at least one
capillary-active element is provided, which is guided to an outer surface of the heat exchanger
panel, so that liquid condensing in the condensation cavity is transported to the outside due to the
capillary effect of the capillary material or the capillary-active element and can dry out there again.

20 Figure 1 for publication