

Abstract**Heat transfer tube and cracking furnace using the heat transfer tube**

The present disclosure relates to a heat transfer tube and a cracking furnace using the
5 heat transfer tube. The heat transfer tube comprises a twisted baffle arranged in an
inner wall of the tube, said twisted baffle extending spirally along an axial direction of
the heat transfer tube. The twisted baffle defines a closed circle viewed from an end of
the heat transfer tube. Along the trajectory of the circle a casing is arranged, which is
fixedly connected to a radial inner end of the twisted baffle. The twisted baffle is
10 provided with a plurality of holes. The heat transfer tube according to the present
disclosure has a good heat transfer effect and small pressure loss.

(Fig. 2)