

External combustion furnace comprises a housing, the upper part of which comprises a combustion zone in the form of a horizontal shelf and upper and lower supporting elements connected thereto. The housing is made of ceramics, and under the combustion zone additionally comprises a cavity, the lower part of which is connected to the atmosphere by an opening, and the upper part of the cavity is connected to the combustion zone by openings: the central one, which is located in the center of the combustion zone, and the side ones, which are evenly spaced from the central one.