

Boiler has body with water jacket and branch pipes for water inlet and outlet, furnace chamber with loading door and grid, at that part of boiler is equipped with horizontal smoke pipes at one side separated with partition, with formation with the body of afterburning chamber, and at the other side connected to smoke discharge branch pipe. On the body ventilator is installed, its output is connected to collector that separates air flow by two channels one of which is connected to the upper part of furnace chamber and the other one – to under-grid cavity. Partition is made horizontal with formation of turn channel that connects furnace chamber to heating chamber. Grid is arranged as spring-supported, with possibility of displacement in vertical direction and is mechanically connected to loading door. Branch pipe for hot water and smoke discharge branch pipe are directed upwards and have possibility of connection to tank-accumulator. Such implementation of boiler makes it possible to burn any solid fuel.