

Gas generator comprises housing, fuel pyrolysis chamber housed therein in the form of two truncated cones, the larger bases of which are positioned facing each other, gas outlet pipe connected to the upper part of housing, fuel feed hatch located on top of housing, and in the lower part of pyrolysis chamber, which has the shape of truncated cone, grate is located. Ash-collecting device is equipped with door and is located in the lower part of gas generator housing beneath the grate. Air supply device from axial fan is connected to gas outlet pipe and is designed as “tube-in-tube” heat exchanger, the inner tube of which is connected to gas outlet pipe, while the outer tube is connected to the axial fan. At the bottom of the inner tube, valve for draining condensed substances is located. Gas generator is secured using supports. The upper and lower parts of the gas generator housing are connected with bolts. The outer surface of the inner tube of “tube-in-tube” heat exchanger is equipped with wire fins in the form of half-rings. Corrugated plate is installed inside the inner tube.