The invention refers to the small-capacity installation for mechanical and biological treatment of sewage waters having a high level of pollution with organic substances, exceeding the concentration of 500 mg/dm^3, and the treated sewage can be used at the enterprises in the capacity of industrial waters in technological processes, such as cooling of equipment, or in the agriculture for irrigation.

The installation consists of a module, containing a reservoir, inside of which, according to the water flow, there are placed two working in parallel primary settlers, a second-stage treatment filter, pipelines for sewage supply, for removal the treated water and for outlet of the sludge from the primary settlers.

Novelty consists in that it additionally contains a section of aerobic biological treatment, constituted of an aerobic biofilter and two thin-layer secondary settlers communicating with the biofilter through the contact surface thereof, the primary thin-layer settlers, communicating with the anaerobic bioreactors through the contact surface, being at an angle of 15…40° with the vertical walls of the bioreactor, and a sludge fermentation chamber.

The result consists in reducing the power expenses and in improving the quality of the treated sewage due to the combination of processes for settling, anaerobic-aerobic biological treatment, second-stage treatment by filtration, as well as in obtaining of manure gas.