

The invention relates to alternative energy sources, in particular to biogas plants, and can be used in various fields of agriculture and the processing industry for producing biogas.

The plant, according to the invention, comprises a reservoir-reactor (1) with a spiral stirrer with a rod, feed and outlet branch pipes for the processed biomass, a gas exhaust pipe, connected to a gasholder (12). The reservoir-reactor (1), with a conical base with an opening, is placed inside an external conical silo reactor (2), equipped with openings (4, 7) for biomass loading. In the reservoir-reactor (1), on a shaft, is installed a spiral auger (3) with a defoamant (6), coupled with a motor-reducer (19), and on the side face of the plant is placed a water seal (9). The liquid is discharged from the upper part of the reservoir-reactor (1), enriched with CO₂, soluble therein, and directed to a granular floating filter (17), and then to a microalgae cultivation pool (18).

Claims: 1

Fig.: 1

