

The invention relates to the biogas-cleaning equipment and can be used for cleaning of methane used as fuel to produce heat and electric energy, fueling of vehicles or as an alternative fuel.

The biogas-cleaning plant consists of a biogas continuous cleaning device and a pool (8) for the cultivation of microalgae and/or aquatic plants. The device includes a sealed container (1) with biogas inlet (2) and purified biogas outlet pipes (5), equipped with a bubbler (3), a biogas drainage block (4), a pipeline (16) for removal of recirculating water, an injector (10) and a distributor (9). The pool (8) is equipped with a recirculating water distribution system (19), a filter (7), equipped with a bypass conduit (13), a scraper device (20), a drainage (21) for removal of microalgae and/or aquatic plants, daylight lamps (22) with photosensor (23) and an automatic switch-on/off system (24). The plant is also equipped with a feed mixture dispenser (17), a water pipeline (18) and a pump (6). The distributor (9), injector (10) and bypass conduit (13) are equipped with electromagnetic valves (11, 12, 14), actuated by a control unit (26).

Claims: 2

Fig.: 1

