

The invention relates to installations for biocombustible obtaining from vegetable oils and fats used in the internal combustion engines.

The installation for biocombustible obtaining includes, joined by pipe-lines and equipped with inspection equipment, capacities for vegetable oil (1), for alkaline alcoholic solution (7), for biocombustible collection (20) and waste recovery (21), a biocombustible cleaning device (19), a pump (2), an oil heating device (10), an agitator (9) and a reactor (8) for interesterification, equipped with an ejector (14). The installation is additionally equipped with and oil mixer with an alkaline alcoholic solution (11) made as a pipe with internal screw channels and attached to the outlet of the ejector (14), an alcohol steam condenser (15) with a vacuum pump (16), a capacity for demineralized water (17) and a carbonic acid source (18), joined by means of pipe-lines with the reactor (8). The oil heating device (10) is mounted inside the reactor (8). The oil heating device (10) may be made in the form of electric heating elements, radially placed in the lower part of the reactor (8), and the biocombustible cleaning device (19) may be made as a cylinder with filter elements mounted inside thereof.

Claims: 3

Fig.: 3

