

MEMBRANE BIOREACTOR WIT MEASURING SYSTEM



CONSTRUCTION

- jacket reactor,
- electronic agitator,
- electrical heaters,
- pH probe,
- redox probe,
- temperature sensor,
- measurement system of pH, temperature and mixing intensity,
- microfiltration membrane module,
- flow rate meter,
- suction and force pump,
- biogas tank,
- equalizing tank.

PRINCIPLE OF OPERATION:

It is made of stainless steel and it has cylinder shape. In upper part there are valves. With the aid of valves it is possible to bringing in and receiving of waste water and biogas. Biogas is accumulated in containers. The system is equipped in pH probe, oxidation-reduction potential probe, temperature probe and two manometers. regulation of temperature is possible by heaters and thermoregulator. Inside of reactor there is capillary module. Capillary module is characterize of high mechanical and chemical resistance. Filtration surface of polymer membranes is 0,23 m₂