

KEN-17**Anaerobic Water Treatment Pilot Plant**

Anaerobic Water Treatment Pilot Plant Model KEN-17 consists of a reactor with built-in settler. Sludges are fed and recycled by two peristaltic pumps; a compressor will recycle gas from the top to the bottom of reactor keeping biomass stirred.

Data acquisition is carried out by a specific software.

Specifications

- AISI 304 stainless steel framework with castors
- Feed tank, 80 l capacity
- Transparent plastic cylindrical digester with settler, 15 l capacity
- Peristaltic feed pump
- Sludge recirculation peristaltic pump
- Diaphragm compressor with body of stainless steel
- Microprocessor-controlled board-type pH-meter, with range of 2 to 12 pH, 4 to 20 mA output signal
- Microprocessor-controlled board-type rH-meter, with range of -1500 and +1500 mV, 4 to 20 mA output signal
- Microprocessor-controlled board-type dissolved oxygen meter, with range of 0 and 20 ppm, 4 to 20 mA output signal
- Switchboard IP55, complying with EC conformity mark, including plant synoptic and ELCB
- Data acquisition software for Windows

Experiments

- The process unit enables to develop and analyze the following issues:
- Purification efficiency versus the following parameters:
 - recycle ratio
 - digester temperature
 - organic load

Mains Power

220 – 240V 1Ph, 50Hz



Note : Specification & Photos can be altered without notice in our constant efforts for improvement