

# GPB T10

## Water treatment in anaerobic surroundings

### DESCRIPTION

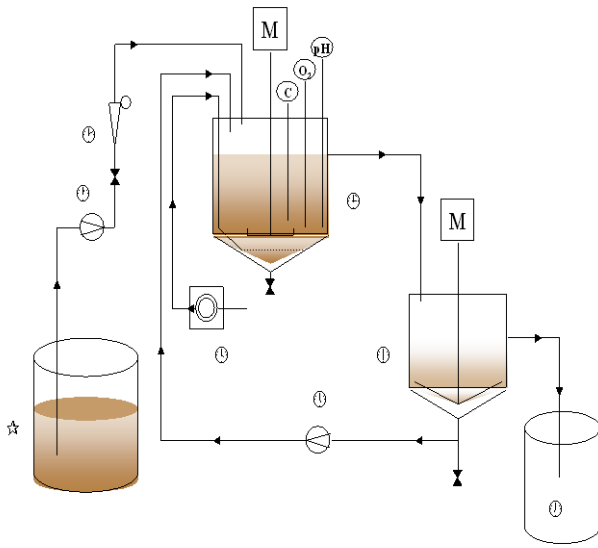
- This unit illustrates the treatment of activated sludge in a sewage treatment plant.
- Unit is available in either plexiglas, or in borosilicate glass.
- This unit is designed for different levels and fields of study.
- Technical documentation and instructions are provided.



### SUGGESTED APPLICATIONS

- Determination of the conditions for anaerobic treatment
- Nature of bacteria
- Nature of pollutants
- Sludge age
- Mass charge
- Capability for decantation

# GPB T10



## FRAMEWORK ON WHEELS

### UTILITIES

Electricity : 230 V – 50 Hz – 2 kW

Drainage

### DIMENSIONS

Length : 1 500 mm

Width : 750 mm

Height : 1 500 mm

Weight : 80 kg

### 1- Supply tank

- Volume = 150 L
- Polyethylene

### 2- Supply pump

- Peristaltic pump
- Flow rate: 0-4 L/min
- Engine – variable speed 8-360 min<sup>-1</sup>
- Stainless steel 304 L body

### 3- Supply flow meter

- Stainless steel floater
- Body in PVC
- Flow rate 0-30 L/h

### 4- Tank for anaerobic treatment

- PVC – 2 or 3 openings for overflow
- Volume 40 L
- Agitator (0-300 min<sup>-1</sup>) with speed control – adjustable height
- 3 measure analysers : oxygen (0-26 % +/- 0.5%), pH meter (0-14 +/-0.01), potential difference redox (0-2000 mV +/- 1mV)

### 5- Air compressor

- Variable air flow rate
- Flow meter 0-1000 L/h

### 6- Pump to recycle sludge

- Peristaltic pump
- Flow rate : 0-4 L/min
- Engine – variable speed 8-360 min<sup>-1</sup>
- Stainless steel 304 L body

### 7- Decantation tank

- Volume = 30 L
- PVC
- Agitator (0-300 min<sup>-1</sup>) with speed control – adjustable height
- 2 openings for overflow
- Sensor of sludge level

### 8- Recovery tank for clarified water

- Volume = 150 L
- Polyethylene

**OPTION : ADF**