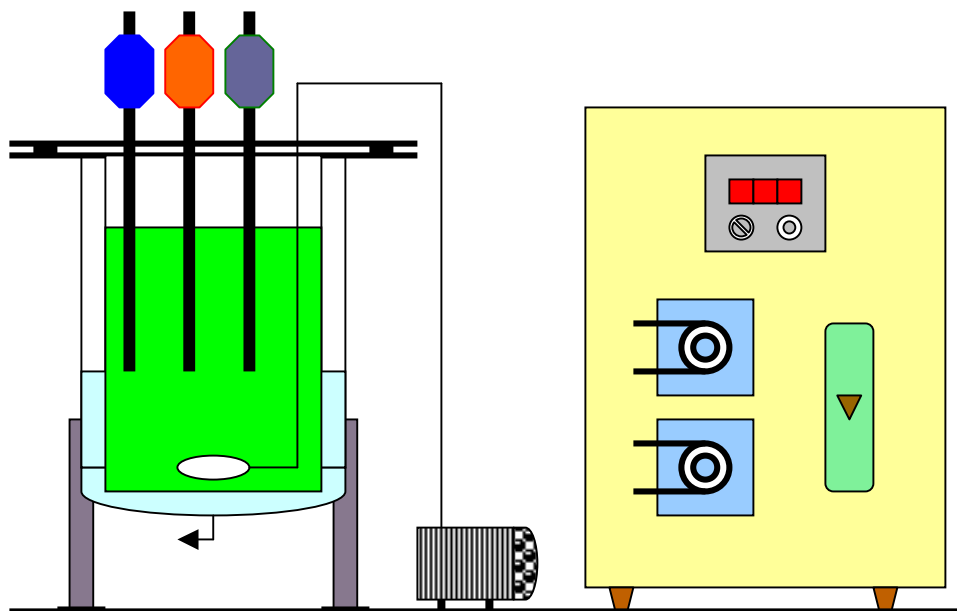


## AEROBIC DIGESTER



### Salient features :-

1. 10 litre bench mounted reactor in rugged stainless steel SS304 construction
2. Supplied complete with peristaltic feed pump, silicon tubing, air compressor, temperature control system, pH & dissolved oxygen measurement system
3. Removable type cylindrical reaction chamber provided for aerobic water treatment
4. Water level maintained by an adjustable overflow device
5. User friendly; easy to dismantle, clean & reassemble within minutes, without any tools
6. Designed for safe operations for long process cycles with repeatable results
7. Mounted on a sturdy base suitable for tabletop mounting
8. Designed for ease of scale up of laboratory scale experimental results to larger scale
9. Heating & cooling devices available for studying effects of enhanced or reduced ambient temperature conditions
10. Gas exit port provided is suitable for sampling the gases for subsequent analysis
11. 25 litre plastic tanks available for feed storage & product collection
12. Works on 220 Volts single phase power supply, power consumption 500 W (max.)
13. Number of practical training experiments are possible :-
  - a. Acclimation of a completely mixed biological reactor
  - b. Measurement of COD & MLSS changes as criteria of performance
  - c. Establishing stoichiometry & kinetics of aerobic biological processes
  - d. Gas-liquid mass transfer
  - e. Residence time distributions
  - f. Studying the effects of (a) inflow substrate concentration, (b) liquid flow rate, (c) temperature, (d) pH stability, & (e) nutrient deficiency, on effluent quality