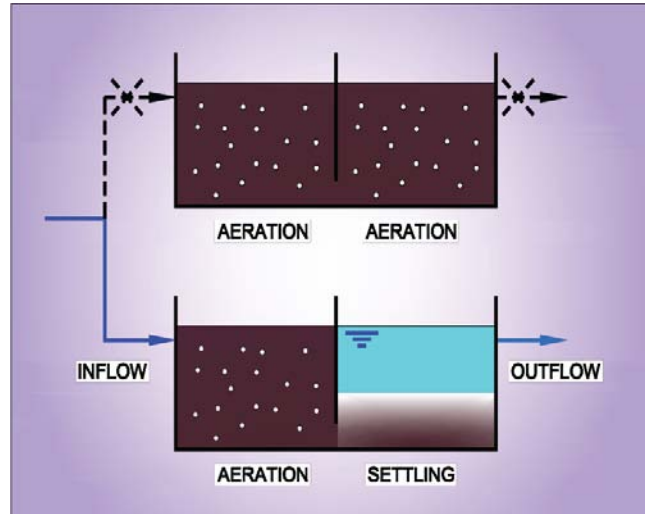
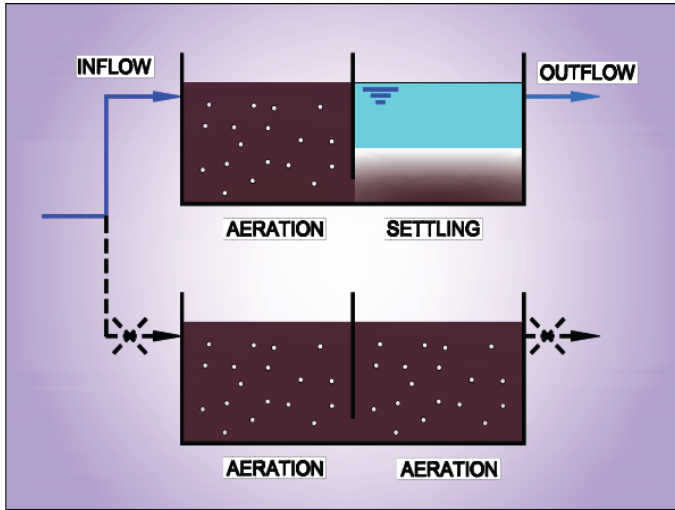


CYCLIC SEQUENTIAL BIO-REACTOR

ALTERNATIVE INTERMITTENT CYCLIC REACTOR (AICAR)



AICAR operates in continuous mode on wastewater feeding and discharging in batch treatment.
AICAR improves large flow variation of batch system and suit to large flow systems.



▲ AICAR reactor in petrochemical plant, Pasir Gudang

Feature

- Dynamic control
- Prevention of sludge bulking
- Improving settle ability
- MLSS>8,000 mg/L
- Longer SRT/MCRT
- Improving biodegradation

Benefits

- Reduction and control of sludge bulking
- High MLVSS and high COD removal
- Reduction of air supply
- Reduction of sludge yield

Application

- Fermentation/Breweries
- Food/Dairy/Beverages industries
- Paper mill
- Petro-Chemical
- Chemical manufacturing
- Municipal wastewater
- Oleo-Chemical

Patent

- TW 105045