

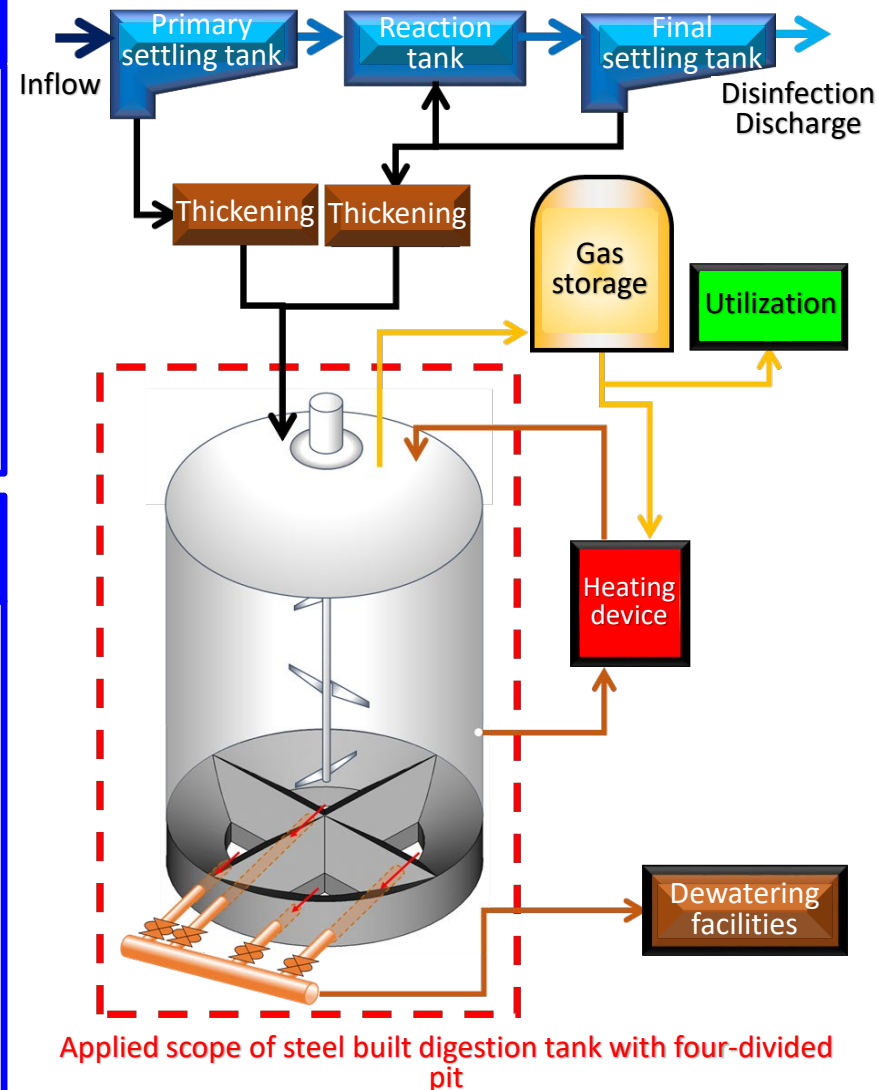
Steel Built Digestion Tank with Quad-pit

【Technology summary】

The technology combines a **steel built digestion tank** with **low energy consumption stirrers**. The digestion tank has a four-divided pit in its bottom, which can control inside sediments by withdrawing sediments aggressively from the bottom along with digestion sludge withdrawal.

【Scope of application】

- Applied sludge: Primary sludge, Excess sludge
- Supplied sludge property: TS 6% or less
- Facilities' scale: 1,000~9,000m³/unit
- Digestion: mesophilic digestion
- Others:
The thickness of the thermal insulation depends on the temperature, Prevention of salt damage in coastal areas



【Features and Benefits】

■ steel built digestion tank

- The concurrent process of prefabricated tank body and foundation works **reduces the construction period and initial costs**
- Flexible structure for a temperature sensor, inspection hole, etc.
- Inside corrosion protection: Type D for gas phase, Type A for liquid phase *JS Corrosion Control Manual (Regular inspection and repair every 10 years)

■ Four-divided pit

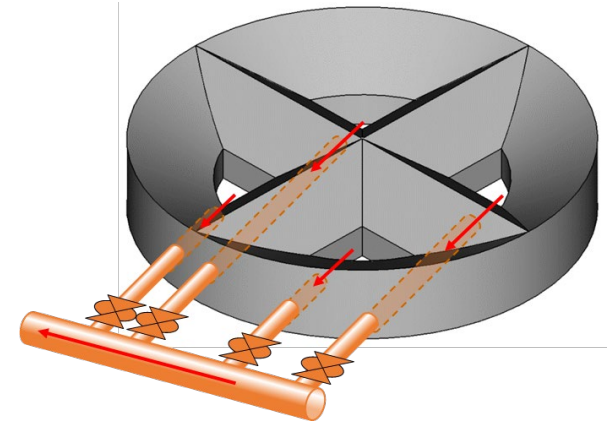
Each of the four divisions has a slope, pit, drawn pipe, and selector valve. The structure of the four-divided pit achieves withdrawing sediments from the bottom of a digestion tank aggressively along with digestion sludge withdrawal.

- Control sediments inside digestion tank
- Dredging costs can be reduced

■ Low energy consumption stirrer

- Stable control of temperature difference adjusts stirring speed to achieve energy saving

【Four-divided pit structure】



【Stable control of temperature difference】

