

Cone-bottom Steel Plate Digestion Tank

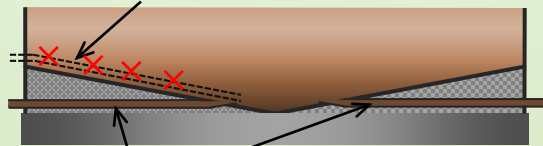
Developers: Tsukishima Kikai Co., Ltd.

A digestion tank made of **steel plate** reduces construction period. Its **cone-bottom shape** enables **efficient discharge of suspended solids** and **energy-saving**

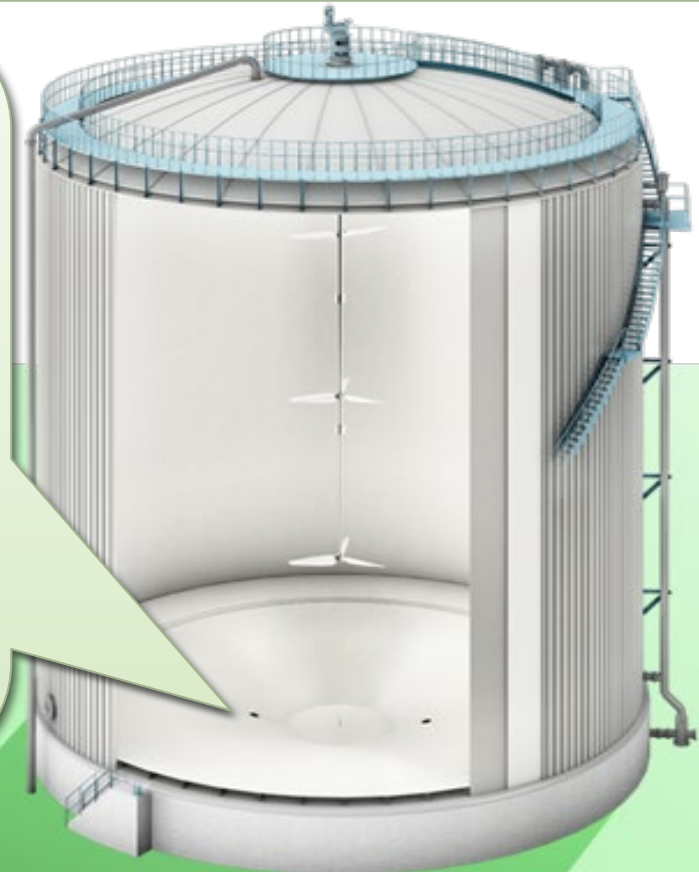
Cone-bottom steel plate digestion tank

- Aggregate suspended solids
- Cone-bottom shape prevents settling
- Sludge is taken out from the bottom effectively. The digestion tank has a horizontal withdraw pipe while the conventional tank has an upward pipe for sludge withdraw.

Common upward withdraw pipe



Horizontal withdraw pipe



*Digestion tank has 35 years' durability with proper management including anticorrosion coating, etc.

Target: **primary/excess sludge, human waste, septic tank sludge, and biomass such as food waste**

Needs

- Start using digestion gas early by reducing the construction period of the digestion tank

Benefits

- steel plate made tank body reduces the construction period
- Effective withdraw of suspended solids and settling control enable easy maintenance
- Impeller-type stirrers and automatic control of sludge circulation pump by accurate temperature measurement achieve significant energy saving