

DIGIMIX[®]

TOP-ENTRY AGITATOR WITH LIQUID SEAL

- Blending and maintaining suspension
- Safe and reliable operation
- High efficiency & energy conservation
- Easy installation and maintenance

Suitable for digestion tank from 1000m³ to 15000m³

AGRICULTURE
LIVESTOCK WASTE
KITCHEN WASTE

► Harsh Operating Conditions

- Suitable for various explosion-proof environments, operating 24h, solid content <12%, pressure <50mbarg, temperature <100°C

► Robust and Reliable Components

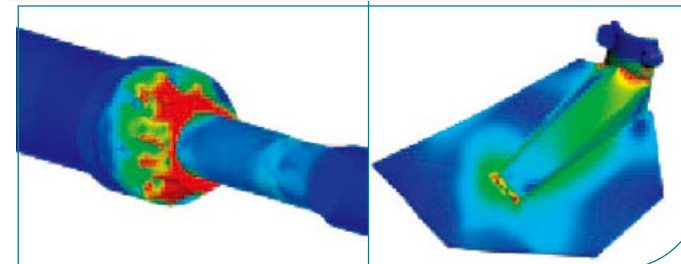
- Explosion-proof drive units up to 75 kW
- Special bearings within the pedestal stabilize the extremely long shaft (up to 28 meters and above).

► High-efficiency impeller

- MIXEL's TTFD propeller enhances the energy efficiency of DIGIMIX agitators.

► Easy to use

- The specially designed propeller fixing method facilitates easier installation.
- The design of the liquid sealing system guarantees the reliability of the equipment in hazardous environments.
- Precision electrical components provide accurate data to guarantee the operational reliability of equipment.



Mechanical strength calculation

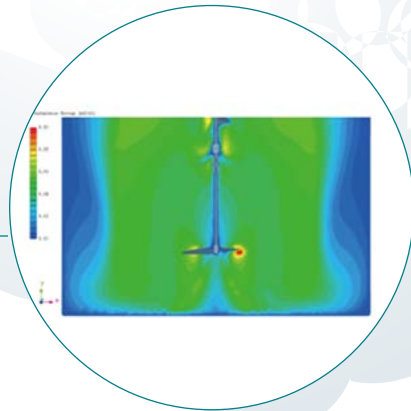


Biogas digester



digestion tank (with several agitators) - - Algeria Baraki

Sealing system and mounting base fixing



CFD flow field simulation