



Landia®

GasMix™

Anaerobic Digester Mixing System

Innovative Mixing System for Anaerobic Digesters

Significant advantages compared to conventional digester mixing systems:

- Increased methane (CH₄) concentration due to enhanced cell break down and gas recirculation
- No rotating equipment inside the tank
- Unique 3-dimensional mixing pattern reduces formation of surface scum
- No need of opening tank cover or entering into the tank for maintenance
- Significantly improved Health and Safety conditions due to external installation
- Reduced capital cost, no access walkways, platforms or hoists required
- No reinforcement of tank cover or walls required as for top or side entry mixers
- Highly effective chopper pumps prevent clogging of pipes and nozzles



INCREASED METHANE PRODUCTION

IMPROVED DIGESTER MIXING EFFICIENCY

IMPROVED HEALTH AND SAFETY CONDITIONS



Quality in every detail

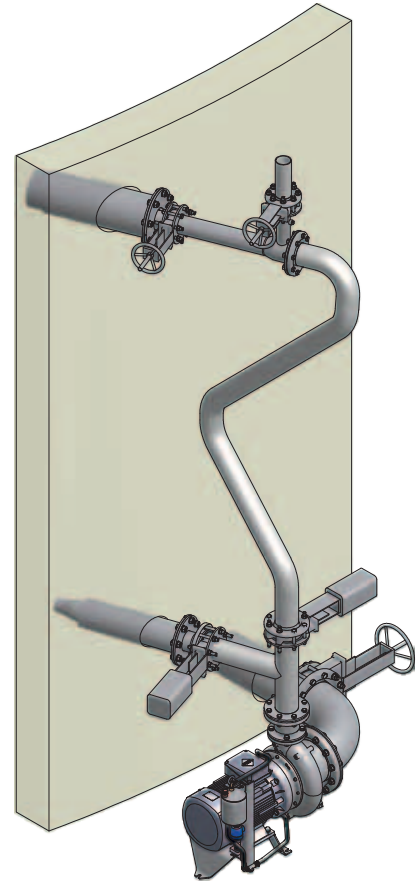
GasMix™ systems are ideally applied in anaerobic digesters containing sludge from wastewater treatment plants, by-products from food processing plants, organic household waste and any other waste or sludge containing decomposable organic material.

How it works

- The chopper pump draws sludge from the digester and pumps it through the aspirating venturi chamber.
- Biogas is aspirated from the top of the digester, mixed with the sludge and injected into the tank.
- Powerful mixing performance is ensured in all areas of the tank by one or more top gas/sludge ejector type nozzles and the bottom mixing nozzle.

Demonstration video on:

www.landia.co.uk/mixers/gasmix



More than 50 years of experience in sludge pumping and mixing with chopper pumps, combined with more than 20 years of applying venturi aspirating systems stand behind this unique solution of anaerobic digester mixing.



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