

GasMix

Patent Pending

INNOVATIVE MIXING SYSTEM FOR
ANAEROBIC DIGESTERS



- External installation
- Increased Biogas Production
- Improved Health and Safety Conditions

The Landia GasMix is a unique mixing system for Anaerobic Digesters in municipal sewage treatment plants and in agricultural or industrial biogas facilities.

One of the major advantages of the Landia GasMix system is that all mechanical components are externally-mounted, allowing all maintenance and inspection to be completed without entering or opening the digester.

In addition to the major Health & Safety advantages of never having to open the digester, there are also economical advantages in that servicing of the Landia GasMix system can be completed while the biogas production continues uninterrupted.

The Landia GasMix utilizes a combination of biogas and liquid recirculation for the mixing process. This not only mixes the digester but also improves the quality of the biogas, which in turn can be used to increase power production.

ENGINEERED TO LAST

Landia GasMix System

Significant advantages compared to conventional digester mixing systems:

- Increased biogas production due to enhanced cell break down and gas recirculation
- No rotating equipment inside the tank - 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 costs, 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

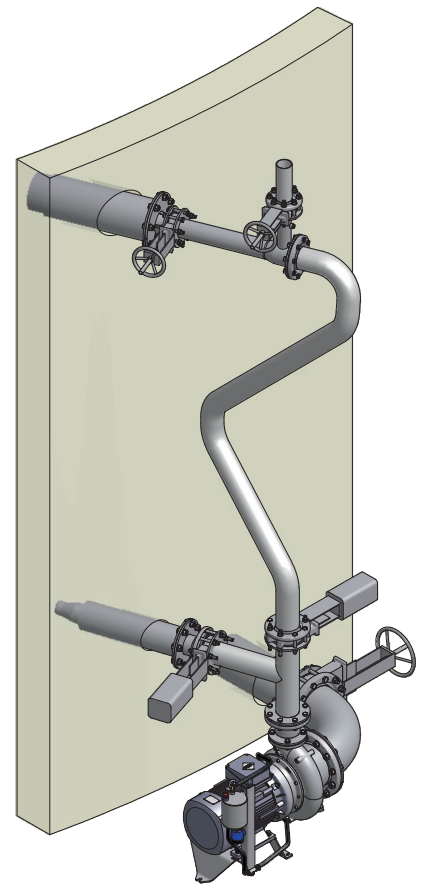
Landia GasMix systems are ideally applied in anaerobic digesters containing sludge from wastewater treatment plants, by-products from food processing plants, organic household waste and any other waste or sludge containing decomposable organic material.

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.landiaasmix.co.uk

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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