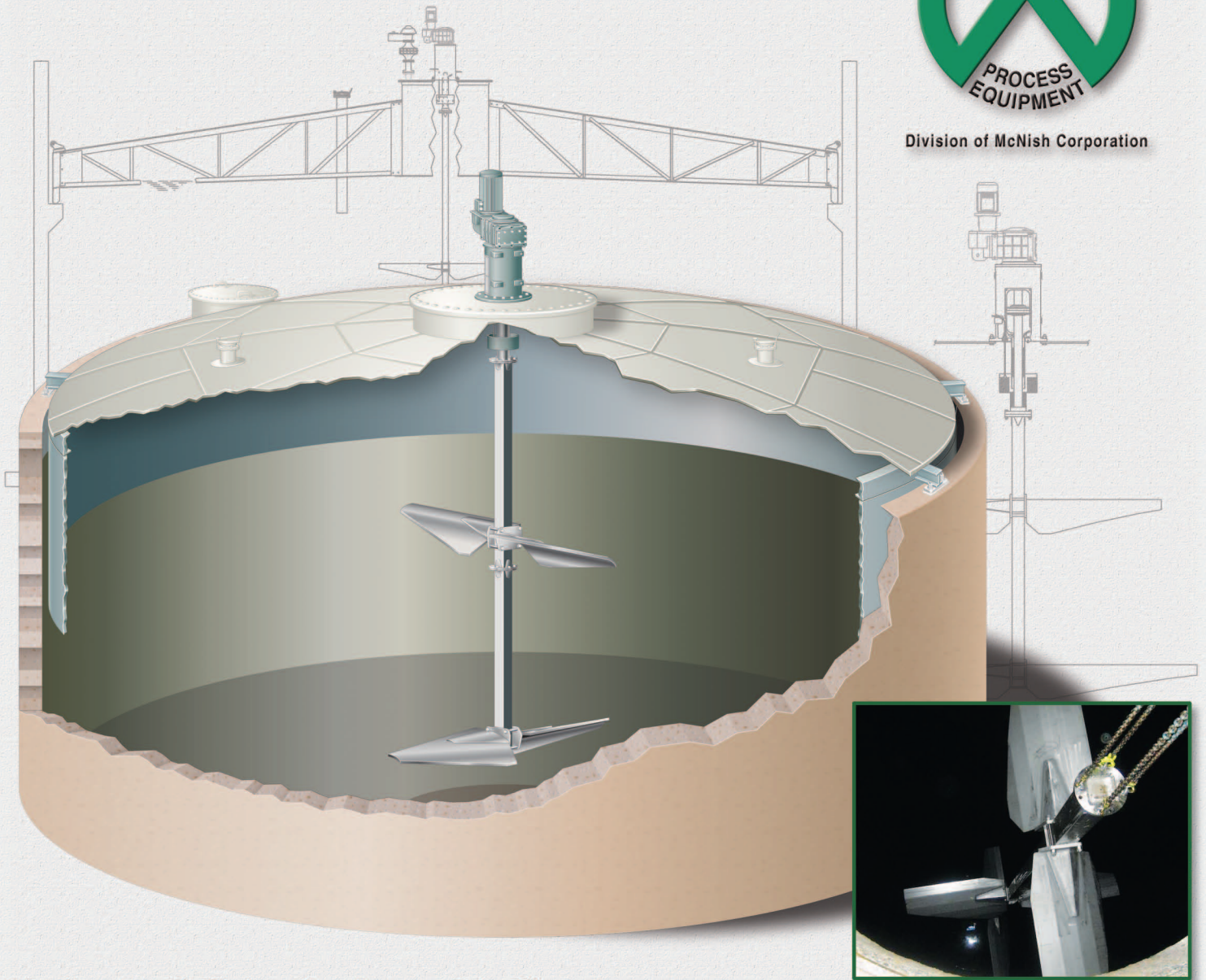


Mixer – Anaerobic Digester



Division of McNish Corporation



Mechanical Mixing for Anaerobic Digesters

The vertical shaft agitator by Stamo/Walker Process provides a low energy solution for thorough effective and maintenance free mixing for anaerobic digesters.

Effective Digester Mixing –

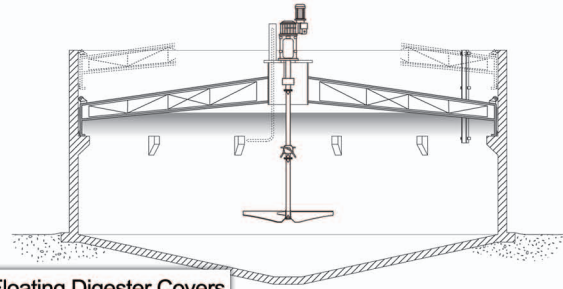
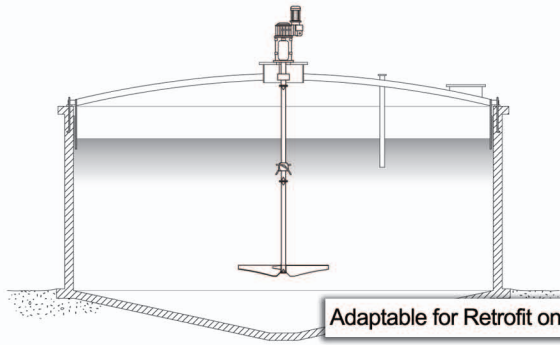
The Vertical Shaft Agitator by Stamo/Walker Process is most effectively applied to primary anaerobic digesters.

Stamo Agitators are thoroughly proven in installations throughout the world in a wide variety of mixing applications.

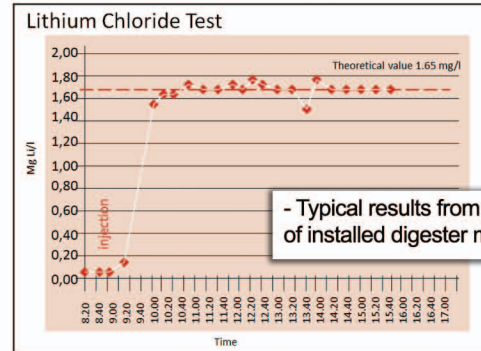
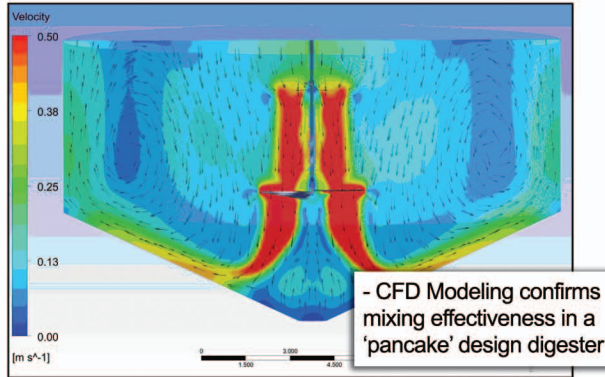
Each agitator is custom designed for the specific application and requires no bottom bearing and no eductor tube.

Agitator

- **Low Power Consumption**
- **High Turnover**
- **Controlled Downward Pumping**
- **Thorough Whole Volume Mixing**
- **Produces Uniform Solids Concentration and Temperature throughout the volume**
- **Minimal Maintenance**



Adaptable for Retrofit on either Fixed or Floating Digester Covers



- Typical results from tracer testing of installed digester mixing.

Design for Effective Performance

In keeping with our long standing position as a supplier of quality custom designed and built-to-last equipment, **Walker Process Equipment** offers mixers for anaerobic digesters by **Stamo Agitation Solutions**.

These agitators are custom designed for the specific purpose and geometry of each application.

The impellers, fabricated from stainless steel, are custom designed to optimize the most effective glide ratio, lowest power usage with the highest pumping capacity.

The drive assembly and mixer shaft are supported on a heavy fabricated steel support pedestal.

The mixer shaft is sealed with a labyrinth water seal that positively prevents leakage of gas from the digester. A monitoring device provides remote indication of low water level in the seal.

All product contact surfaces are stainless steel. A square impeller shaft design simplifies impeller mounting and provides maximum strength.

Controls include automatic reversal of shaft rotation to minimize debris accumulation on the impellers.

| | |
|--------------------------|---|
| Support Pedestal | Fabricated, Painted Carbon Steel |
| Motor | Inverter Duty Type, Explosion Proof |
| Gear Reducer | SEW Eurodrive |
| Support Bearing | Spherical roller bearing with minimum 100,000 hour life |
| Shafts | Top (drive) Shaft, Stainless Steel Round Bar Upper and Lower Shafts, Square stainless steel contact surfaces |
| Gas Seal | Stainless Steel Labyrinth Type Water Seal, Mechanical Seal options |
| Impeller | Axial Design, 2, 3 or 4 blade, Stainless Steel |
| Design / Assembly | Stamo Agitation Solutions Vasteras, Sweden |

All Walker Process Equipment Mechanical Agitators for Anaerobic Digesters are provided by Stamo Maskin AB.
Walker Process Equipment is the USA Distributor of Stamo Agitators.

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