

# MBV Lime/Sludge Mixer



Wastewater Treatment

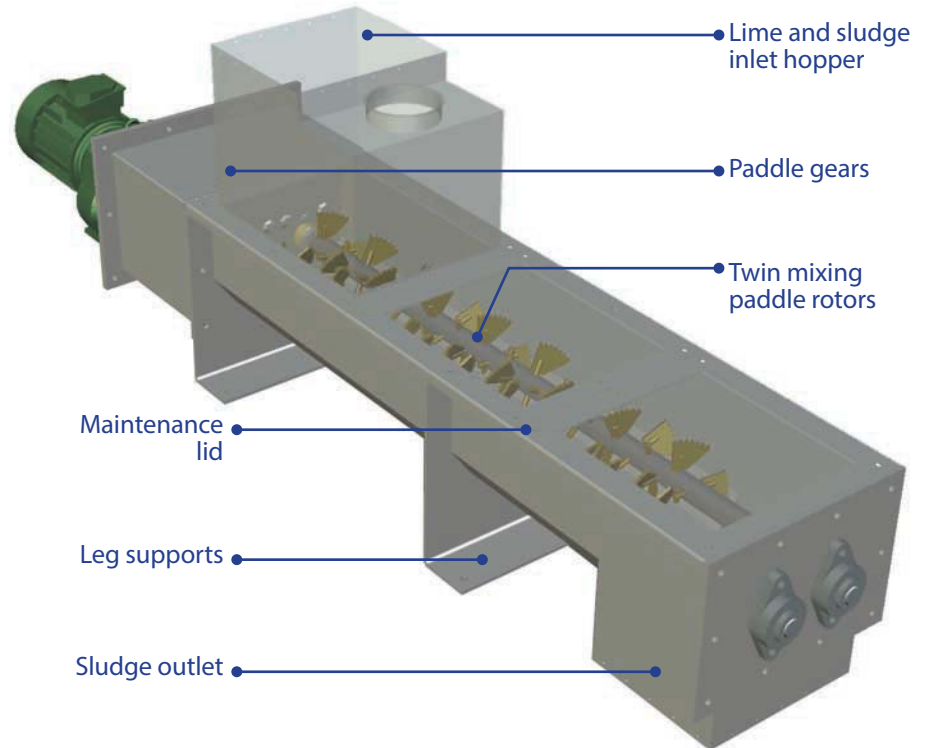


Water Treatment

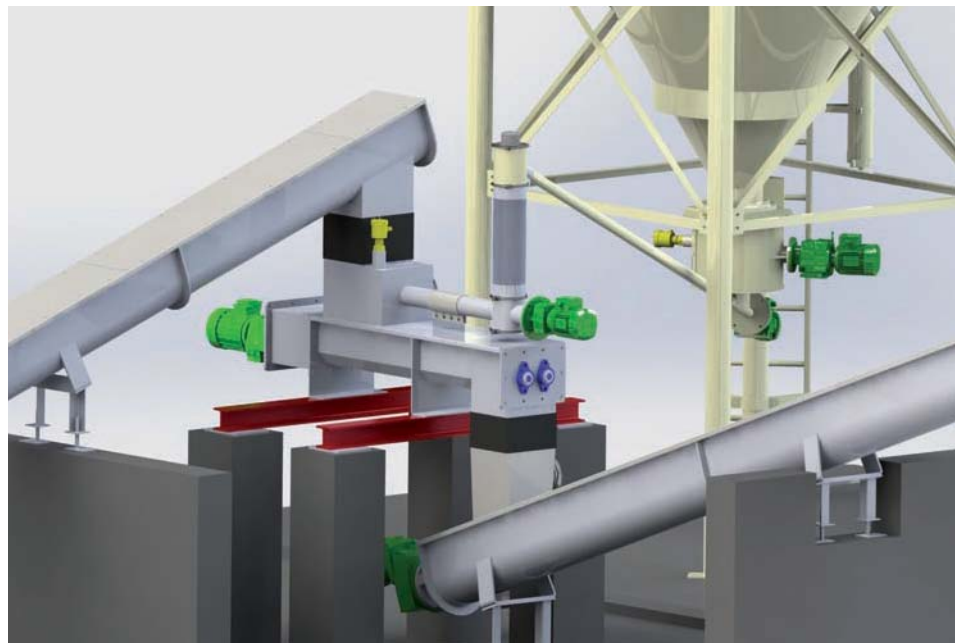
## Lime & Sludge Mixer

The dual shaft MBV sludge mixer is simple, durable and compact. It can be easily adapted to existing or new Class B sludge stabilization processes (odor removal and/or sludge dehydration) for water and wastewater treatment plants.

Sodimate sludge conveyors and chemical feed systems can be combined with the sludge mixer to feed soda ash, hydrated lime, or quicklime.



Installation Example:



## Advantages:

- Homogeneous and thorough mixture
- Easy access and maintenance free
- Adjustable speed
- Orientable paddles
- Granular end-product



**Powder handling expert**



**Wastewater Treatment**



**Water Treatment**

## Operation:

The double counter-rotating rotors are fitted with intersecting and adjustable paddles to optimize the quality of the mixture as the sludge progresses through the mixer body.

The unique shape of the paddles, specifically designed for this application, ensure efficient mixing of the lime and sludge, preventing sludge accumulation.

## Applications:

The sludge mixer can be integrated into a complete Sodimate turnkey system that includes a storage container (silo, hopper or big bag), a chemical feed system and a sludge conveyor.

The granular end-product is ideal for waste-to-energy and agricultural purposes, including fertilizer and landfill applications.

## Specifications:

- **Fabrication material:**  
stainless steel 304 /316
- **Special supports available upon request**
- **Security level detection with sensors**
- **Geared motor driven by frequency inverter**
- **Custom design and fabrication**



| Type    | Rotor Ø | Total length | Motor power | Max feedrate*           |
|---------|---------|--------------|-------------|-------------------------|
| MBV 150 | 6"      | 80"          | 1.5 hp      | 70 ft <sup>3</sup> /hr  |
| MBV 240 | 10"     | 120"         | 3 hp        | 250 ft <sup>3</sup> /hr |
| MBV 350 | 15"     | 145"         | 5.5 hp      | 550 ft <sup>3</sup> /hr |
| MBV 500 | 20"     | 200"         | 10 hp       | 850 ft <sup>3</sup> /hr |

\*feedrate may vary according to product and site design