

## CENTRAL MIXER Z-MIX



An optimised design is crucial for the effectiveness and efficiency of the agitator technology. Based on tank geometry, substrate properties and many other factors, our engineers use software-supported flow simulations and load capacity calculations to determine a central agitator that is perfectly tailored to your needs.

### Application

Tank volumes up to 2,641,721 gal  
Efficient use in elevated tanks  
Customised design and production depending on tank geometry, substrate properties, etc.

### Drive unit

Gear motor 4.0 - 60.0 hp, IE3 or higher  
Flat gearbox, low-noise, low-maintenance  
Rotational speed 10 - 60 rpm

### Tank interface

Levelling flange to compensate for tank unevenness  
Customised interface adaptation

### Sealing

Labyrinth seal for gas-tight application  
Safety device for monitoring the fill level of the labyrinth seal (50 mbar)

### Bearing

Optimal absorption of radial/axial forces thanks to spherical roller bearings  
Easy access to grease lubrication via service opening

### Agitating device

Flow-optimised paddles for axial agitating effects  
1-4 paddle sections, Ø4.6 - 19.7 ft  
Material: steel or stainless steel

### Shaft/Mast

Freely suspended bearing  
Optional ground storage or catch basket  
Length up to 66 ft  
Material: steel or stainless steel

### Ex-zone

Ex-zone 2  
CE II 3G Ex h IIA T1 Gc  
Geared motors for Ex zone 1 on request

### Control unit (optional)

Frequency converter  
Delivery without connection cable

### Assembly & maintenance

Complete assembly outside the tank possible  
Low maintenance effort due to direct access to drive, bearing and seal from the outside  
Access to grease lubrication via maintenance flap



Subject to technical changes

As per: 2024-03

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