

## 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

Efficient use in elevated tanks  
 Customised design and production depending on tank geometry, substrate properties, as well as stirring task and process definition  
 Optimal tank proportions: tank diameter to filling level in a ratio of 1:1

### Agitating device

Flow-optimised paddles for axial agitating effects  
 Material: steel or stainless steel

### Drive unit

Energy-efficient flat geared motor, gearbox oil lubricated  
 Mains voltage/frequency and country-specific  
 Approval according to project specifications  
 Motor power up to 75 hp  
 Rated rotational speed 10-60 rpm

### Shaft/Mast

Freely suspended bearing  
 Optional ground storage or catch basket  
 Material: steel or stainless steel

### Tank interface

Levelling flange to compensate for tank unevenness  
 Customised interface adaptation,  
 Standard flange according to EN 1092-1, size-dependent (DN 400 - DN 800 PN10)

### Ex-zone

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

### Sealing

Gas-tight applications:

- non-contact labyrinth seal with liquid sealing media
- max. pressure project-specific

Non-gas-tight applications:

- optionally without seal for open tanks

### Control unit

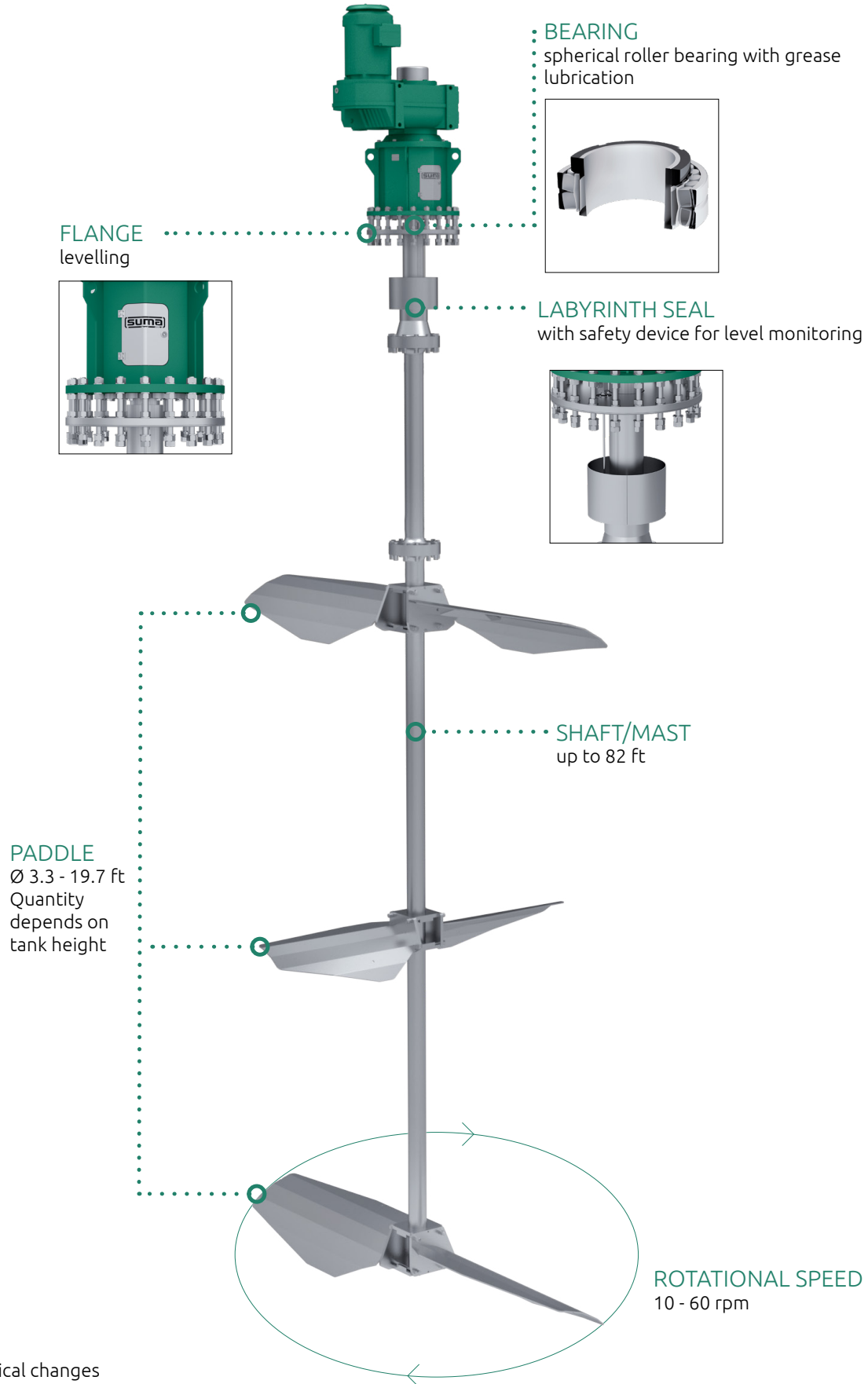
Motor control with frequency converter (optionally available)  
 PTC monitoring of the motor (thermistor motor protection relay optionally available)  
 Fill level monitoring of the labyrinth seal

### Bearing

Optimal absorption of radial/axial forces thanks to spherical roller bearings

### 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 hatch



Subject to technical changes

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