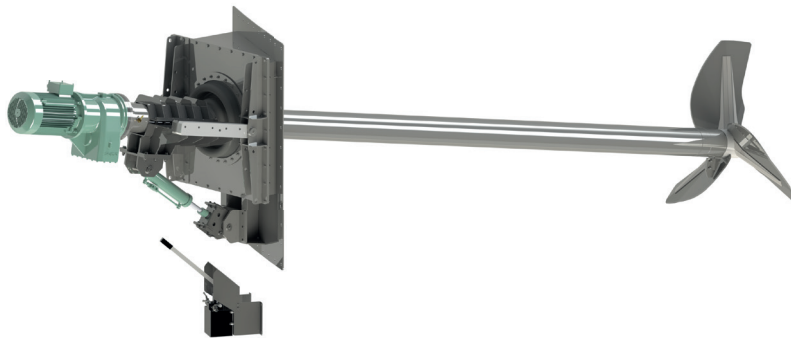# SUMA

Long-axis agitator Giantmix

AMX 150-80
AMX 185-80
AMX 220-80

**Powerful
High efficiency
Innovative design**

Application

Dry matter content up to 16 %

Substrate temperature up to 70°C

pH-value 6.5 - 8.5

Technical data

Tube length 4.0 / 5.0 / 6.0 m

Tube Ø 220 x 8 mm in ss316

25° sealing plate cm in ss304 other angles as well as ss316 version on request

Sound pressure level 75 dB(A)

Installation up to 6 m below substrate level

Damping system with special rubber on cylinder wall bracket and in hinged brackets

Oil inspection glas for monitoring the tightness

Agitator completely manufactured in modular design

Motor

Performance: 15 / 18.5 / 22 kW

400 V, 50 Hz, 1475 rpm, special tensions on request

PTC thermistors 160°C as overheat protection

Ex-Motor ⟨Ex⟩ II 3G Ex nA IIA T3 Gc (ex-zone 2)

Gear

Spur gear drive, helical teeth, low noise level

Reduction ration i = 18.0

Oil chamber, Longlife gear oil Blasia SX 320

Oil change after 12,000 operating hours

Bearing

Bearing housing with oil chamber

2 tapered roller bearings to absorb the axial forces

Mechanical seal SiC/SiC, independent of rotation direction

Interim bearings for the drive shaft

Propeller

3-blade high efficiency propeller, dynamically balanced

AMX4	15,0 kW	propeller XT 1600-21	82 rpm
AMX5	18,5 kW	propeller XT 1600-25	82 rpm
AMX6	22,0 kW	propeller XT 1600-30	82 rpm

Standard in hardened steel, optional ss304 or steel polymer coated

Adjustment range

Sealing plate 1.430 x 1.730 mm optional right/left 25° preset, other ranges on request

Vertical inclination through hydraulic cylinder + 5° / - 30°

Tank opening: 1 x 1.4 m

Ex-zone

Ex-Zone 2 (outside tank) and Zone 1 (inside tank)

Classification mechanical components:

CE ⟨Ex⟩ II 2G ck IIA T3

Control box (optional)

Soft start or frequency converter

Delivery with 4.0 m connecting cable