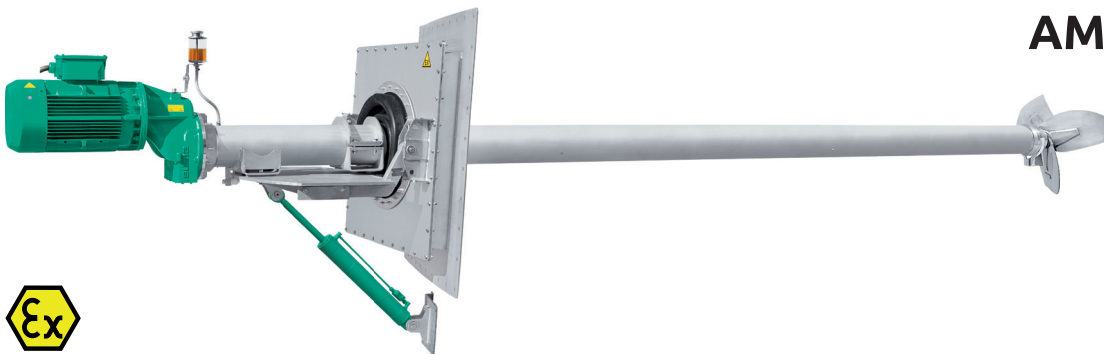


Long-axis agitator Giantmix AMT6 - 220-270 AMT7 - 280-270



**Powerful
Low maintenance
Innovative Design**


Application

Dry matter content up to 14 %
Substrate temperature up to 70°C
pH-value 6.5 - 8.5

Technical data

Tube length 4.0 / 5.0 m
Tube Ø 220 x 8 mm in ss316
15°-Sealing plate 143 x 143 cm in ss316
Sound pressure level 75 dB(A)
Installation up to 6 m below substrate level
Oil inspection glas for monitoring the tightness
Agitator completely manufactured in modular design

Motor

Power: 22 / 28 kW - 4-poles
400 V, 50 Hz, 1.475 rpm
PTC thermistors 160°C as overheat protection
Ex-Motor  II 3G Ex nA IIA T3 Gc (ex-zone 2)

Gear

Spur gear drive, helical teeth, low noise level
Reduction ration $i = 5.37$
Oil chamber, gear oil SAE 85W-140 / API GL-5
Oil change after 2,000 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



AMT6	22.0 kW	propeller MS 780	270 rpm
AMT7	28.0 kW	propeller MS 850	270 rpm

Standard in hardened steel, optional ss304

Adjustment range

Horizontal through pivoting frame $\pm 25^\circ$
Sealing plate 15° optional right/left preset
Vertikal through hydraulic cylinder $\pm 30^\circ$
Tank opening: 1,000 x 1,000 mm (Plate 143 cm)

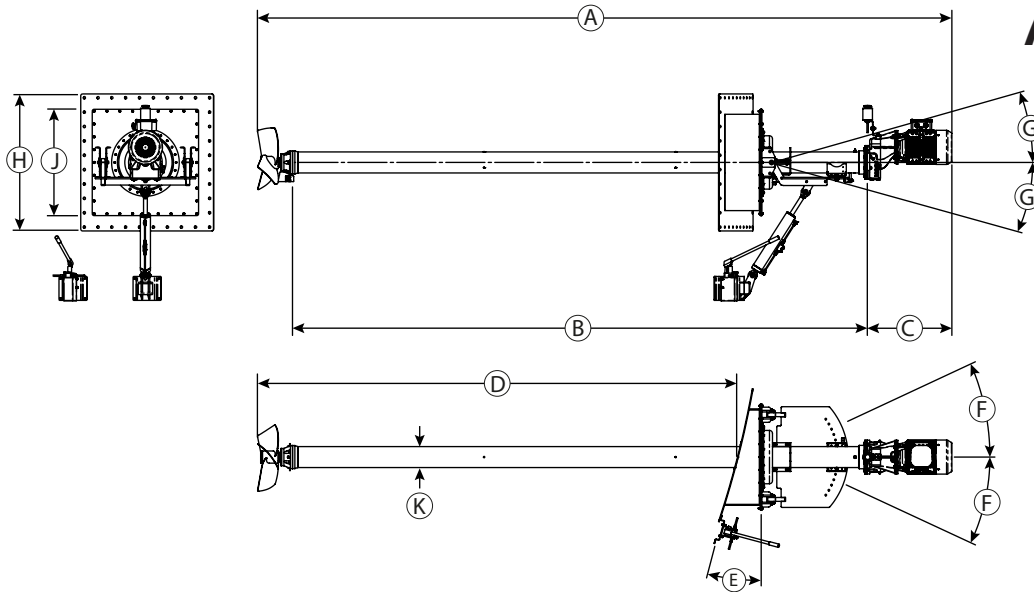
Ex-zone

Ex-Zone 2 (outside tank) and Zone 1 (inside tank)
Classification mechanical   II 2G ck IIA T3

Control box (optional)

Soft start or frequency converter
Delivery with 4.0 m connecting cable

Stabmixer Rührigant AMT6 - 220-270 AMT7 - 280-270



Dimensions										
Typ	A [mm]	B [mm]	C [mm]	D [mm]	E	F	G	H [mm]	J [mm]	K [mm]
AMT 6	5.265	4.000	900	2.970	15 °	25°	30°	1.430 x 1.430	990 x 990	220
AMT 7	7.765	6.500	900	5.470	15 °	25°	30°	1.430 x 1.430	990 x 990	220

Technical data												
Type	Rated power [kW]	Rated Voltage [VΔ]	Rated current [AΔ]	Frequency [Hz]	Power factor cos φ	Gear reduction ratio	Propeller speed [rpm]	Propeller diameter [mm]	Axial force [kN]	Flow velocity [m/s] *	Pumping rate Water [m³/min]	Weight approximate [kg]
AMT 6	22,0	400	42,0	50	0,83	5,37	270	780	4,1	2,9	85	1.400
AMT 7	28,0	400	52,0	50	0,85	5,37	270	850	4,2	3,3	109	1.400

Subject to technical changes

* measured in water and 1.2 m distance