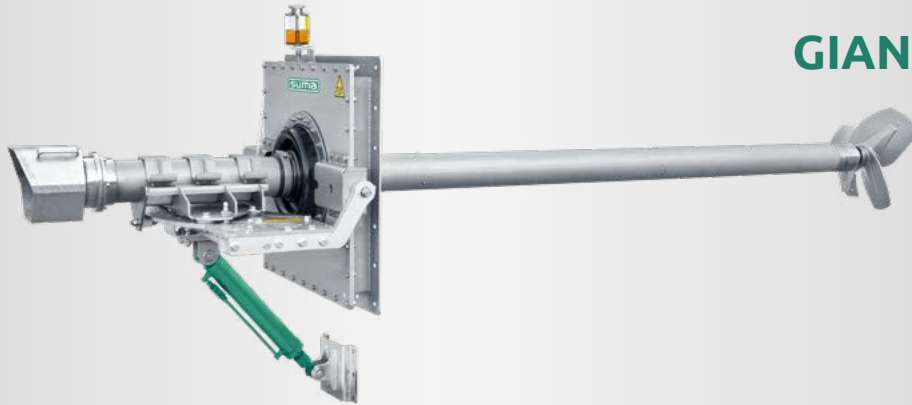


GIANTMIX FT HY



Application

Long-axis agitator
Dry matter content up to 14 %
Substrate temperature up to 70°C
pH-values 6.5 - 8.2

Technical Data

Tube length 4.0 / 5.0 m
Tube Ø 159 x 5 mm, ss304 inclusive robust tube within tube technology
Sealing plate 120 x 120 cm (143 x 143), ss304
ss316 on request
Sealing membranes of EPDM60
Oil inspection glass for monitoring the tightness
Agitator completely manufactured in modular design
Power take-off with protection for tractor operation
POM protection to minimize abrasion

Adjustment range

Lateral adjustment $\pm 30^\circ$ through handspindle
Tilt adjustment up to $\pm 30^\circ$ through hydraulic cylinder
Tank openings: 800 x 800 mm (plate 120 cm)
1,000 x 1,000 mm (plate 143 cm)

Ex-Zone

Ex-zone 2 (outside the tank) up to the PTO of the agitator
and Ex-zone 1 (inside the tank)
Classification mechanical components:
CE II 2G Ex h IIA T1 Gb

Bearing (drive side)

Standard design with drive train HY for one rotation
direction
Power take off connection (PTO) 1-3/8" (6-chock)
Bearing head as own modular unit

Bearings (propeller side)

2 tapered roller bearings to absorb the axial forces
Mechanical seal SiC/SiC independent of rotation direction
Interim bearings for the drive shaft (slide bearings)

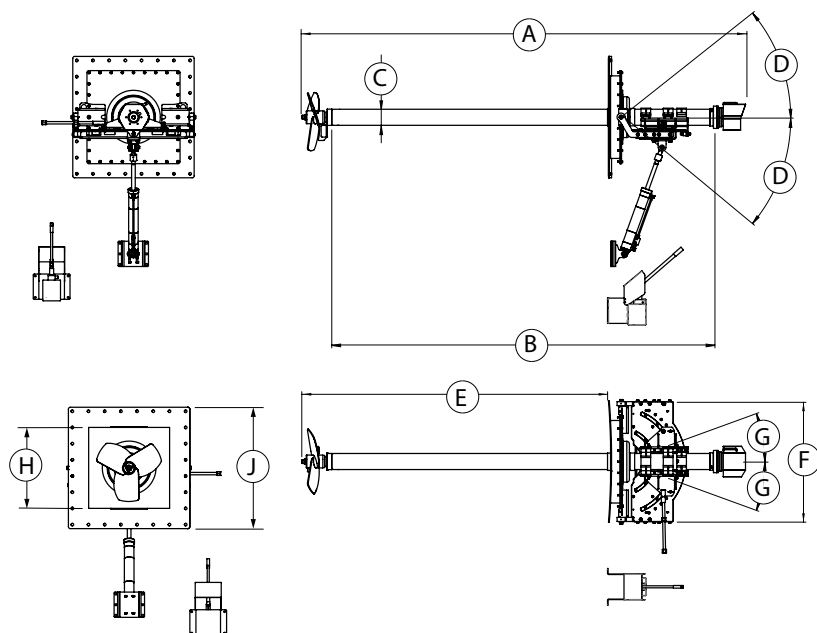
Propeller

3-blade high efficiency propeller, dynamically balanced

min. 100 HP (72 kW)	540 rpm	Propeller HD+ 660
	750 rpm	Propeller HD+ 580
min. 120 HP (88 kW)	540 rpm	Propeller HD+ 700
	750 rpm	Propeller HD+ 620
min. 136 HP (100 kW)	540 rpm	Propeller HD+ 750
	750 rpm	Propeller HD+ 660

ss304, optional ss316 or hardend steel

GIANTMIX FT HY



Dimensions

Type	A [m]	B [m]	C [mm]	D	E [m]	F [m]	G	H [m]	J [m]
FT HY	4.5 / 5.5	4.0 / 5.0	ø 159	max. ± 30°	3.0 / 4.0 / 4.5	1.23	± 30°	0.8 / 1.0	1.2 / 1.43

Technical Data

Type	Required tractor power [HP]	Propeller speed [rpm]	Propeller diameter [mm]	Axial force [kN] *	Flow velocity [m/s] *	Pumping rate water [m³/min]	Weight [kg]				
FT HY	100	540	660	6.0	5.0	99	750				
FT HY	100	750	580	7.2	6.3	95	750				
FT HY	120	540	700	7.1	5.3	118	750				
FT HY	120	750	620	8.4	6.4	111	750				
FT HY	136	540	750	9.0	5.4	139	750				
FT HY	136	750	660	10.6	6.5	128	750				

Subject to technical changes

* Calculated via CFD simulation and validated
in test basin with water

As per: 2026-03

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