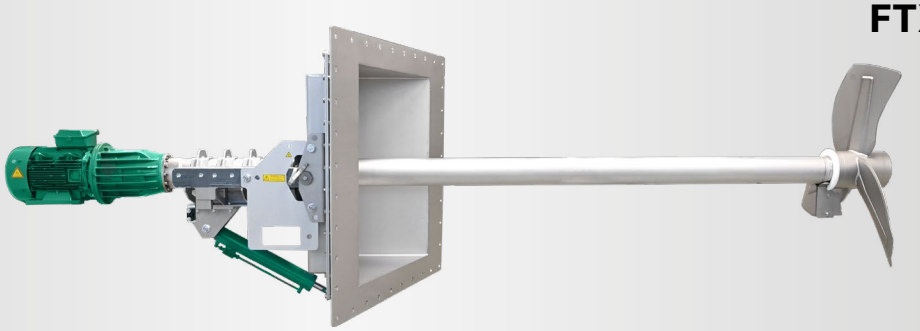
# GIANTMIX FTX

## FTX 150-160



## Application

Dry matter content up to 15 %

Substrate temperature up to 160 F

pH-value 6.5 - 8.5

## Technical Data

Tube length 13.0 / 16.5 / 18.0 / 19.7 ft

Tube Ø 6.3 x 0.2 in, ss304 inclusive robust tube within tube technology

30° sealing plate in ss304 other angles as well as ss316 version on request

Sound pressure level 75 dB(A)

Installation up to 26.3 ft below substrate level, other immersion depths on request

Oil inspection glas for monitoring the tightness

Agitator completely manufactured in modular design

POM protection to minimize abrasion

Requirement on site:
Start Giantmix FTX with frequency converter

## Motor

Motor power: 20.0 hp, 2-poles

PTC thermistors as overheat protection

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

## Gear

Robust 2-staged planetary gear, 1st stage helical geared, low noise level

Reduction ratio i = 21.99

Longlife gear oil Blasia SX 320

Oil change after 12,000 operating hours

## Bearing

2 tapered roller bearings to absorb the axial forces

Mechanical seal SiC/SiC, independent of rotation direction

Interim slide bearings for the drive shaft

## Propeller

3-blade high efficiency propeller, dynamically balanced

| | | | |
|---|---|---|---|
| FTX | 20.0 hp | 160 rpm | Propeller XT 1100-13 |

ss304, optional ss316

## Adjustment range

Sealing plate 56 x 56 in optional right or left 30° preset, other ranges on request

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

Tank opening (WxH): 43.3 x 43.3 in

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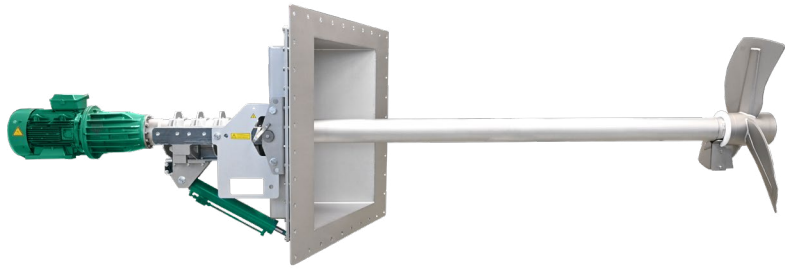

### Dimensions

| Type | A [in] | B [in] | C [in] | D [in] | E | F | G | H [in] | I [in] | J [in] | K [in] | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FTX 150-160 | 197 - 276 | 157.6-236.4 | 33.9 | 111.0 - 189.7 | 30° | 30° | 5° | 56.3 | 35.4 | 43.3 | Ø 6.3 | | |

### Technical data

| Type | Rated Power [hp] | Propeller speed [rpm] | Frequency [Hz] | Gear reduction ratio | Propeller diameter [in] | Axial force [lbf] | Flow velocity [ft/s] * | Pumping rate water [gal/min] | Weight approximate [lbs] | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FTX 150-160 | 20.0 | 160 | 60 | 21.99 | 43.3 | 1,079 | 11.8 | 52,041 | 2,425 | | | | |

Subject to changes without notice
* measured in water and 3.94 ft distance

BIOGAS

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