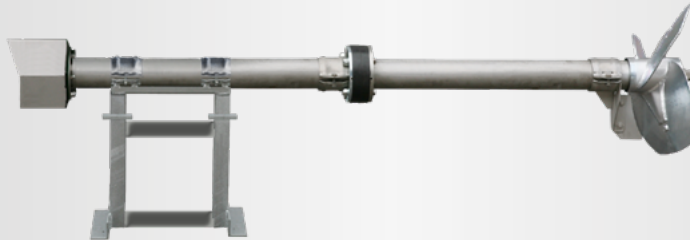


GIANTMIX FR HY STATIONARY



Application

Stationary long-axis agitator
 Dry matter content up to 12 %
 Substrate temperature up to 70°C
 pH-value 6.5 - 8.2

Technical Data

Tube length 2,0 / 2,5 m
 Agitator tube Ø 101.6 x 4.0 or x 5.7 mm in ss304, ss316 version on request
 Installation up to 8 m below substrate level, other immersion depths on request
 Power take-off with protection for tractor operation
 Agitator completely modular designed
 POM protection to minimize abrasion
 Optional rubber compression seal Ø 200 mm (EPDM)
 Optional oil equalizing container for monitoring the tightness

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 Ex 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)

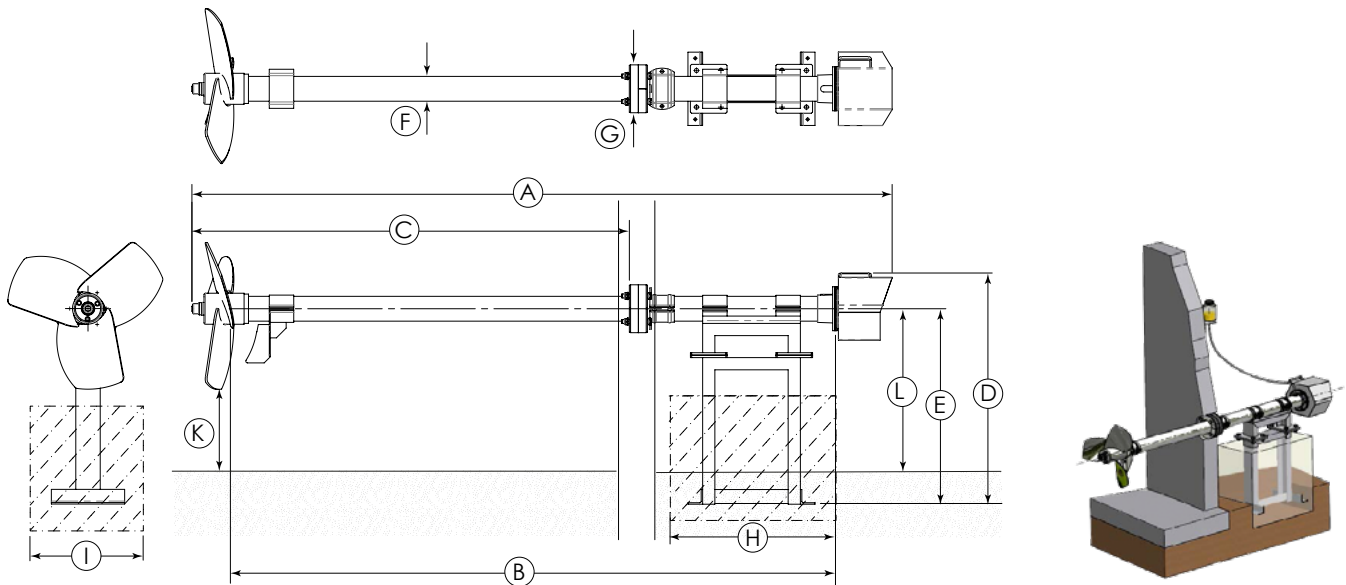
Propeller

3-blade high efficiency propeller, dynamically balanced

| | | |
|---------------------|---------|-------------------|
| min. 80 HP (60 kW) | 540 rpm | Propeller HD+ 620 |
| | 750 rpm | Propeller HD+ 560 |
| 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 |

ss304, optional ss316 or hardend steel

GIANTMIX FR HY STATIONARY



Dimensions

| Type | A [m] | B [m] | C [m] | D [mm] | E [mm] | F [mm] | G [mm] | H [mm] | I [mm] | K [mm] | L [mm] |
|------------------|-----------|-----------|-----------|--------|--------|--------|--------|--------|--------|----------|--------|
| FR HY stationary | 2.4 / 2.9 | 2.0 / 2.5 | 1.1 / 1.6 | 950 | 800 | 100 | 200 | 800 | 500 | min. 300 | 700 |

Technical Data

| Type | Required tractor power [HP] | Propeller speed [rpm] | Propeller diameter [mm] | Axial force [kN] * | Flow velocity [m/s] * | Pumping rate water [m ³ /min] | Weight [kg] |
|------------------|-----------------------------|-----------------------|-------------------------|--------------------|-----------------------|--|-------------|
| FR HY stationary | 80 | 540 | 620 | 5.0 | 5.0 | 87 | 250 |
| FR HY stationary | 80 | 750 | 560 | 6.7 | 6.3 | 88 | 250 |
| FR HY stationary | 100 | 540 | 660 | 6.0 | 5.0 | 99 | 250 |
| FR HY stationary | 100 | 750 | 580 | 7.2 | 6.3 | 95 | 250 |
| FR HY stationary | 120 | 540 | 700 | 7.1 | 5.3 | 118 | 250 |
| FR HY stationary | 120 | 750 | 620 | 8.4 | 6.4 | 111 | 250 |

Subject to technical changes

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

As per: 2022-02