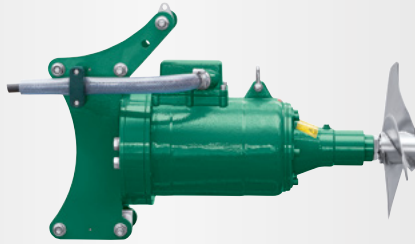


## OPTIMIX 2G 30-710



### Application

Submersible motor  
Dry matter content up to 8 %  
Substrate temperature up to 55°C  
pH-value 6.5 - 8.2

### Motor

Motor power: 3.0 kW  
400 V, 50 Hz, special tension on request  
Protection class IP 68, up to 10 m submergence  
PTC thermistors for overheat protection  
Own oil circulation, turbine oil

### Electric cable

Standard length 10 m, with pressed-on cable gland  
Microbe resistant cable 4 x 2.5 + 2 x 1 mm<sup>2</sup>, Ø 20 mm  
Strain relief 800 N

### Corrosion protection

Ductile cast iron housing (GGG40)  
Agitator has a two component epoxy coating  
Agitator galvanically isolated from the guide mast

### Propeller

3-blade high efficiency propeller, dynamically balanced  
OPTIMIX 2G | 3.0 kW | propeller LD 380 | 710 rpm  
Galvanized, hardened steel, ss304 or hardened ss304

### Guide mast connection

Guide mast support with 4 rollers for smooth height adjustment:  
80 / 100 / 120 mm square mast  
Special sizes on request

### Bearing

Bearing flange with mechanical seal of SiC/SiC  
2 Tapered roller bearings to absorb the axial forces  
Bearing flange with separate oil chamber  
Oil Longlife

### Ex zone

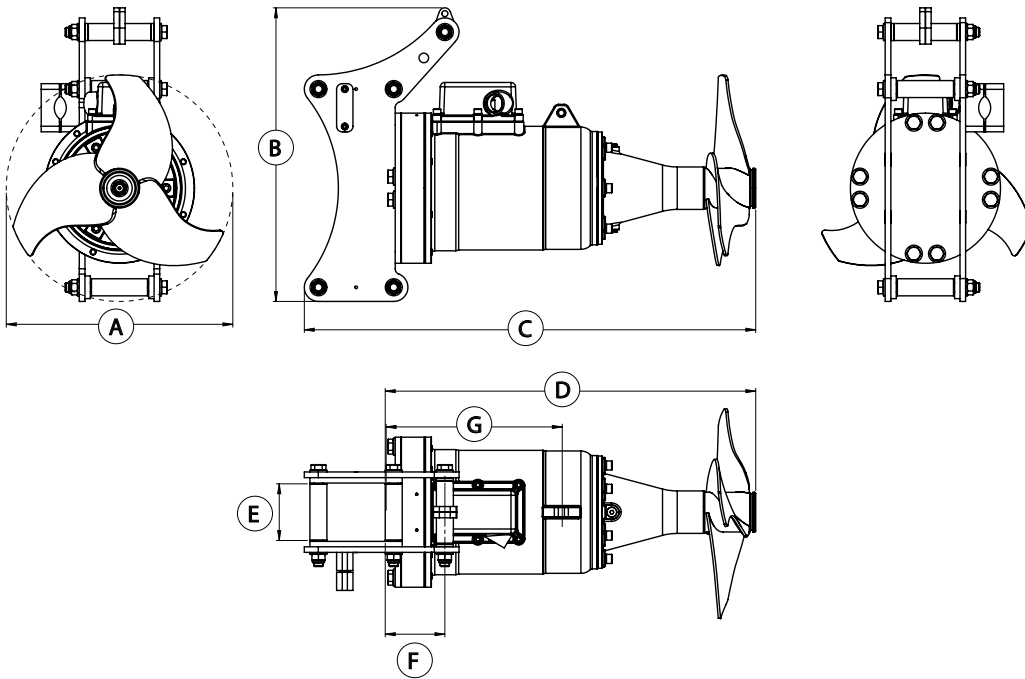
Authorized for Ex-Zone 2  
ATEX Classification   II 3G Ex ec h IIA T3 Gc

### Control box

Soft start or frequency converter  
Direct start\*

\* only after consultation and approval!

# OPTIMIX 2G 30-710



## Dimensions / Weight

Type	A [Ø in mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]	Weight approx. [kg]		
2G 30-710	380	520	800	650	80 / 100 / 120	105	310	150		

## Technical data

Type	Rated Power [kW]	Rated Voltage [V]	Full load current [A]	Frequency [Hz]	Power factor cos φ	Propeller speed [rpm]	Propeller diameter [mm]	Axial force [kN]	Flow velocity [m/s] *	Pumping rate [m <sup>3</sup> /min]	Pumping rate [m <sup>3</sup> /h]
2G 30-710	3.0	400	7.8	50	0.68	710	380	0.7	3.6	24	1.420

Subject to technical changes

\* measured in water and 1.2 m distance