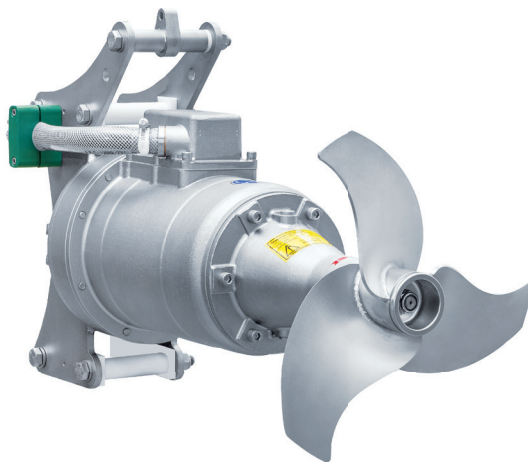




Submersible motor OPTIMIX 2A 30-710 OPTIMIX 2A 40-950

Powerful
Flexible application
High efficiency



Application

Dry matter content up to 8 %
Substrate temperature up to 55°C
pH-value 6.5 - 8.2
optional ss316 pH-value 4.5 - 8.2

Motor

Motor power: 3.0 kW, 4.0 kW
400 V, 50 Hz, special tension on request
Protection class IP 68, up to 10 m submergence
PTC thermistors 130 °C 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 mm², Ø 20 mm
Strain relief 800 N

Corrosion protection

Ductile cast iron housing (GGG40)
Agitator has an 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
Optimix 2G	4,0 kW	propeller LD 310	950 rpm

Standard is galvanized, optional 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
Two tapered roller bearings to absorb the axial forces

Bearing flange with separate oil chamber
Oil Longlife

Ex zone (tube and bearing)

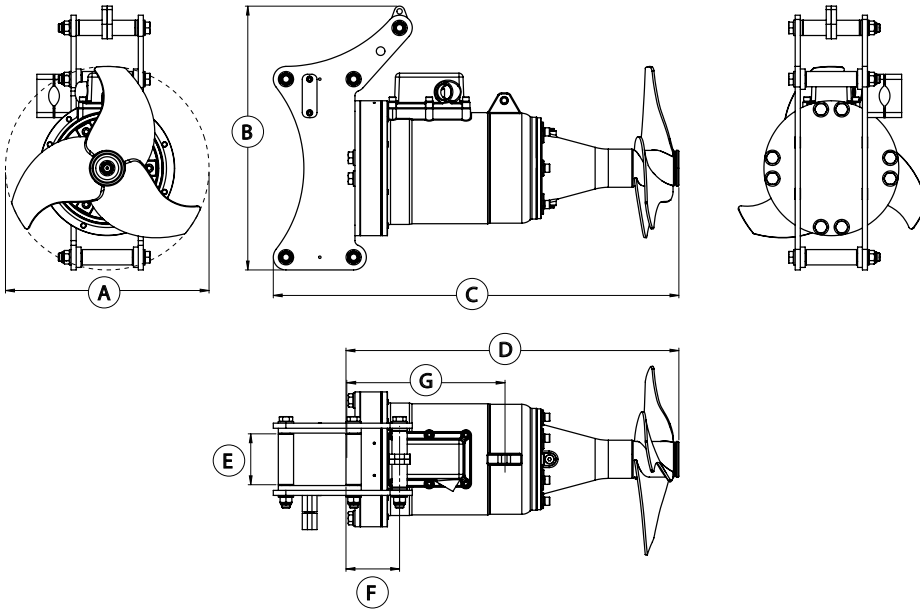
Authorized for Ex-Zone 2

ATEX Classification $\text{CE} \text{ Ex} \text{ II 3G Ex nAck IIA T3 Gc}$

Control box (optional)

soft start or frequency converter

Submersible motor OPTIMIX 2G 30-710 OPTIMIX 2G 40-950



Dimensions										
Type	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	G [mm]			
2G 30-710	380	520	800	650	80 / 100 / 120	105	310			
2G 40-950	310	520	800	650	80 / 100 / 120	105	310			

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 [N]	Flow velocity [m/s] *	Pumping rate [m ³ /min]	Weight approx. [kg]
2G 30-710	3.0	400	7.8	50	0.68	710	380	0.7	3.6	23	150
2G 40-950	4.0	400	8.6	50	0.79	950	310	0.7	3.0	13	150

Subject to technical changes

* measured in water and 1.2 m distance