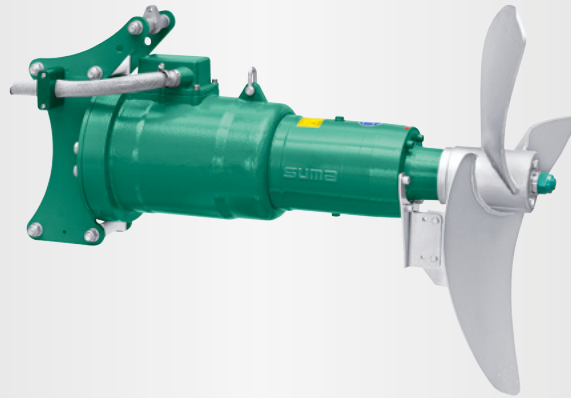


OPTIMIX 2G 150-325



Application

Submersible Motor
 Dry matter content up to 12 %
 Substrate temperature up to 131 F
 pH-value 6.5 - 8.2

Propeller

3-blade high efficiency propeller, dynamically balanced
 Optimix 2G | 20.0 hp | 325 rpm | propeller HD+ 750
 hardened steel, optional galvanized or ss304

Motor

Motor: 20 hp, 60Hz
 Protection class IP 68, up to 33 ft submergence
 PTC thermistors for thermal protection
 High power factor
 Separate oil chamber, turbine oil

Guiding unit

Guide mast support with 4 rollers for smooth height adjustment:
 20 hp: 4.7 / 5.9 in square mast
 Special sizes on request

Gear

Flange mounted planetary gear
 Reducton ratio $i=5.33$
 Separate oil chamber, longlife gear oil
 Oil change interval after 8,000 operating hours

Corrosion protection

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

Bearing

Bearing flange with mechanical seal SiC/SiC
 2 tapered roller bearings to absorb the axial forces
 Shaft \varnothing 1.8 in
 Bearing flange with own oil chamber, longlife gear oil
 Oil change interval after 8,000 operating hours
 Accessory: POM protection to minimize abrasion

Electric Cable

Pressed cable gland
 Cable $7 \times 4 + 4 \times 1,5 \text{ mm}^2$, \varnothing 0.8 in
 Resistant against biomass microbes
 Strain relief 180 lbf

Ex-Zone

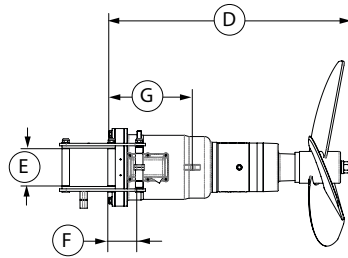
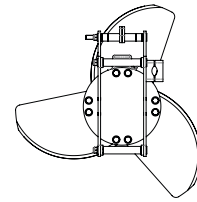
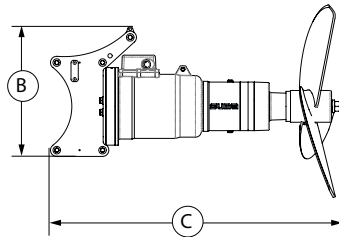
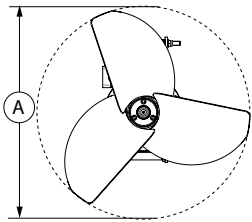
Authorized for Ex-Zone 2

Controls

Soft start or frequency converter



OPTIMIX 2G 150-325



Dimensions

Type	A Ø [in]	B [in]	C [in]	D [in]	E [in]	F [in]	G [in]			
2G 150-325	29.5	20.5	45.0	38.5	4.7 / 5.9	4.1 / 4.9	13.2			

Technical data

Type	Rated Power [hp]	Frequency [Hz]	Gear reduction ratio	Propeller speed [rpm]	Propeller diameter [in]	Axial force [lbf]	Flow velocity [ft/s] *	Pumping rate [gal/min]	Weight approx. [lbs]			
2G 150-325	20	60	5.33	325	29.5	697	12.2	25,096	441			

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

As per: 2024-06

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