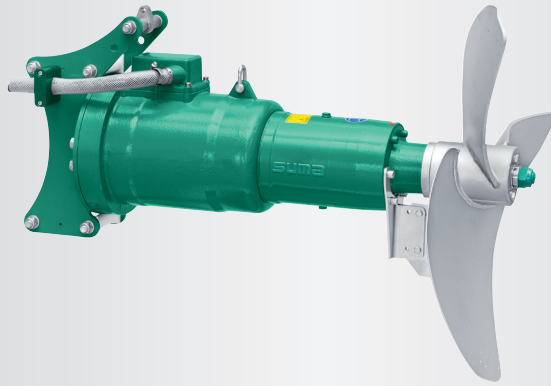




OPTIMIX 2G 150-325



Application

Submersible motor for liquids tanks with dry matter content up to 12 % and substrate temperature up to 132 F
pH-value 6.5 - 8.2

Motor

Motor: 20 hp, 60Hz
Protection class IP 68, up to 33' submergence
Overheat protection
Own oil circuit, turbine oil

Gear

Flange mounted planetary gear
Reduction ratio $i = 5.33$
Isolated oil circuit (1.5 Ltr.), longlife gear oil
8,000 operating hours between oil changes

Bearing

SiC/SiC mechanical seal for bearing housing with two tapered roller bearings to absorb axial forces
Bearing flange with isolated oil circuit, longlife gear oil
8,000 operating hours between oil changes
POM protection sleeve

Ex zone (tube and gear)

Authorized for Ex-Zone 2

Propeller

3-blade high efficiency propeller,
dynamically balanced

Optimix 2G | 20 hp | 325 rpm | propeller HD+ 750

standard material hardened steel
optional materials: stainless 316, hardened steel, polymer coated, Tungsten carbide or galvanized

Guiding unit

4 roller guide bracket for 4" x 4" or 6" x 6" stainless mast

Corrosion protection

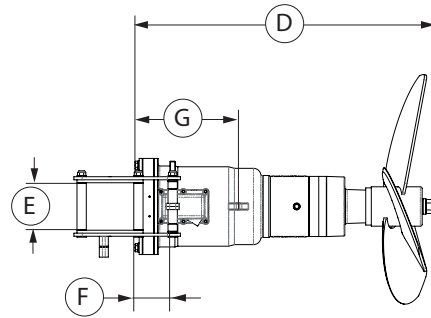
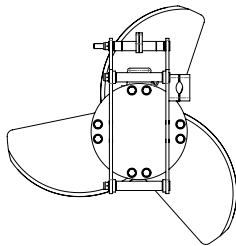
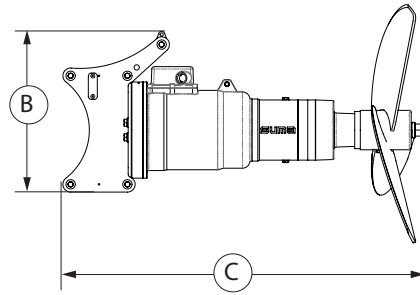
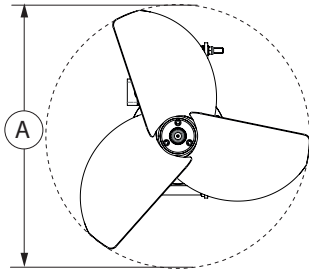
Ductile cast iron housing (GGG40)
Agitator has a two component epoxy coating
Agitator is galvanically isolated from the guide mast

Electric Cable

Standard length is 33', other lengths upon request
Microbe resistant jacket
Maximum load 180 lbf

Controls (optional)

Soft start or frequency converter



Dimensions

Type	A Ø [in]	B [in]	C [in]	D [in]	E [in]	F [in]	G [in]			
2G 150-325	29.5	20.5	46.5	39	4 / 6	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	6,969	12	24,832	440	

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