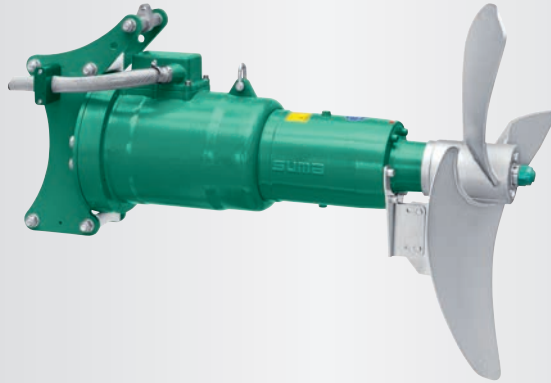




## OPTIMIX 2G 150-325



### 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

material is 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

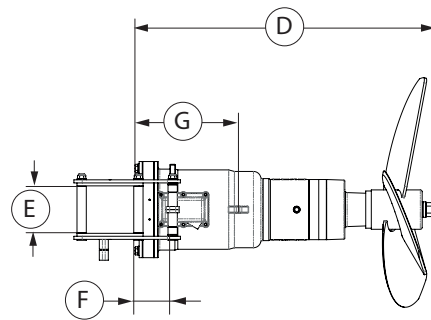
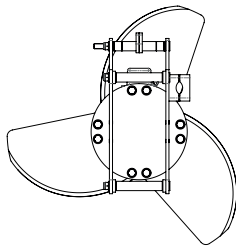
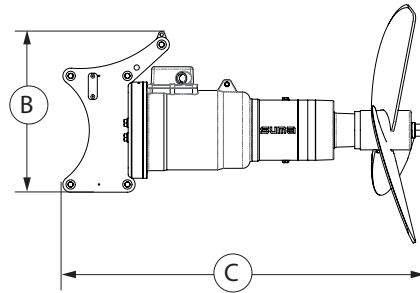
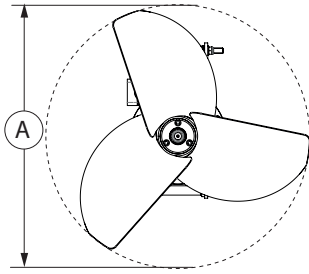
Ductile cast iron housing (GGG40)  
Agitator has a two component epoxy coating  
Agitator is galvanically isolated from the guide mast

### 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	697	12	24,832	440	

Subject to change without notice

\* measured in water and 3.94 ft distance