

## OPTIMIX 2A / 2G

**30-870**  
**40-1150**

### Application

Submersible motor for liquids tanks with dry matter content up to 8 % and substrate temperatures up to 132 F  
pH levels depending on material of housing:

2G	cast iron:	pH 6.5 - 8.2
2A	stainless 304:	pH 5.5 - 8.2
	stainless 316:	pH 4.5 - 8.2

### Motor

Motor power: 4 hp, 5.5 hp; 60Hz  
Protection class IP 68, up to 33' submergence  
Overheat protection  
Isolated oil circuit, turbine oil

### Bearing

SiC/SiC mechanical seal for bearing housing with two tapered roller bearings to absorb axial forces  
Shaft in hardened steel  
Bearing flange with own oil circuit filled with longlife gear oil

### Ex zone (tube and gear)

Authorized for Ex-Zone 2

### Propeller

3-blade high efficiency propeller, dynamically balanced

Optimix 2G/2A	4 hp	870 rpm	propeller LD 310
Optimix 2G/2A	5.5 hp	1150 rpm	propeller LD 215

2G material: hardened steel  
2A material: stainless 304

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

### Guiding unit

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

### Corrosion protection

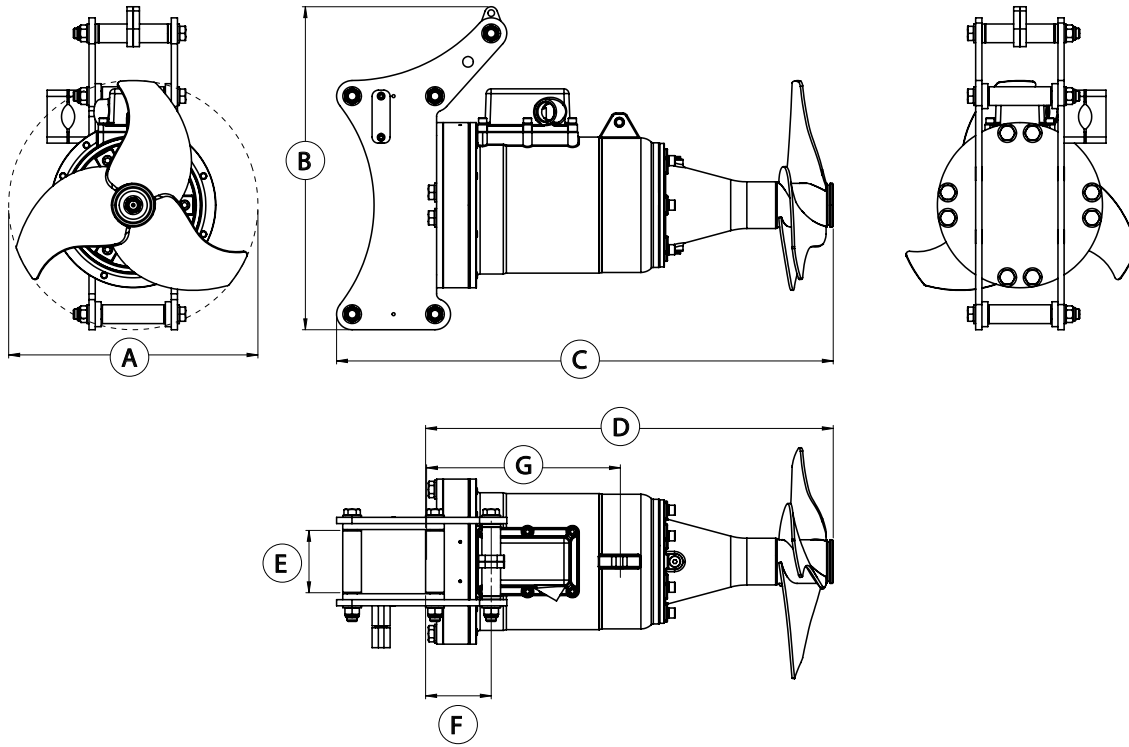
Ductile cast iron housing (GGG40) (G-series), stainless 304 or 316 (A-series)  
Agitator has a two component epoxy coating  
Agitator is galvanically isolated from the guide mast

### Electric cable

Standard length 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]
2A/2G 30-870	11.8	20.5	31.5	25.6	4	4.1	12.2
2A/2G 40-1150	8.5	20.5	31.5	25.6	4	4.1	12.2

## Technical data

Type	Rated Power [hp]	Frequency [Hz]	Propeller speed [rpm]	Propeller diameter [in]	Axial force [lbf]	Flow velocity [ft/s] *	Pumping rate [gal/min]	Weight approx. [lbs]
2A/2G 30-870	4.0	60	870	15.0	146.13	9.2	3,170	330
2A/2G 40-1150	5.5	60	1,150	12.2	87.7	8.9	1,321	330

Subject to change without notice

\* measured in water and 3.94 ft distance