



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

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

Motor

Motor power: 4 hp, 5.5 hp; 60Hz

Protection class IP 68, up to 33' submergence

Overheat protection

Isolated oil circuit, turbine oil

Guiding unit

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

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

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

Ex zone (tube and gear)

Authorized for Ex-Zone 2

Electric cable

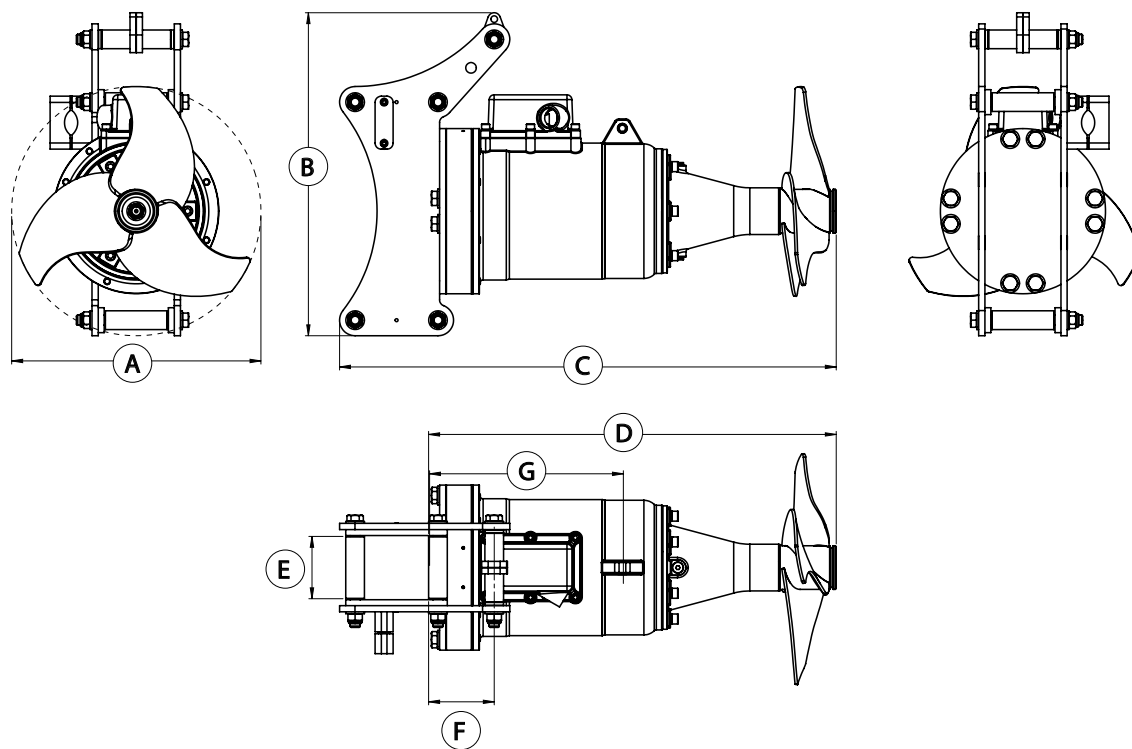
Standard length 33', other lengths upon request

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