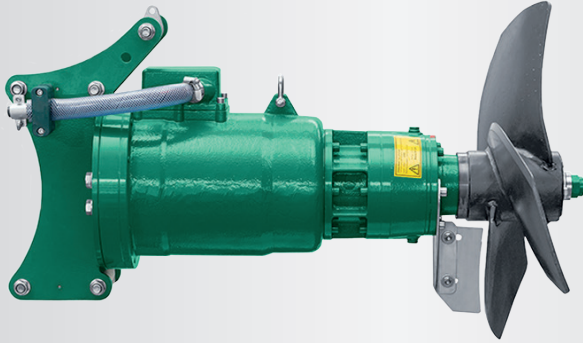




OPTIMIX 2G

150-460



Application

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

Motor

Motor: 12 / 20 hp, 60Hz
Protection class IP 68, up to 33' submergence
Overheat protection
Isolated oil circuit, turbine oil

Gear

Robust planetary gear
Reduction ratio $i = 3.83 / 5.25$
Own oil circuit, Longlife gear oil
4,000 operating hours between oil changes

Bearing

SiC/SiC mechanical seal for bearing housing with two tapered roller bearings to absorb axial forces
Shaft of hardened steel
Bearing flange with isolated oil circuit filled with longlife oil
POM protective sleeve

Ex-Zone

Authorized for Ex-Zone 2

Propeller

3-blade high efficiency propeller, dynamically balanced
Optimix 2G | 20.0 hp | 460 rpm | propeller HD+ 580
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

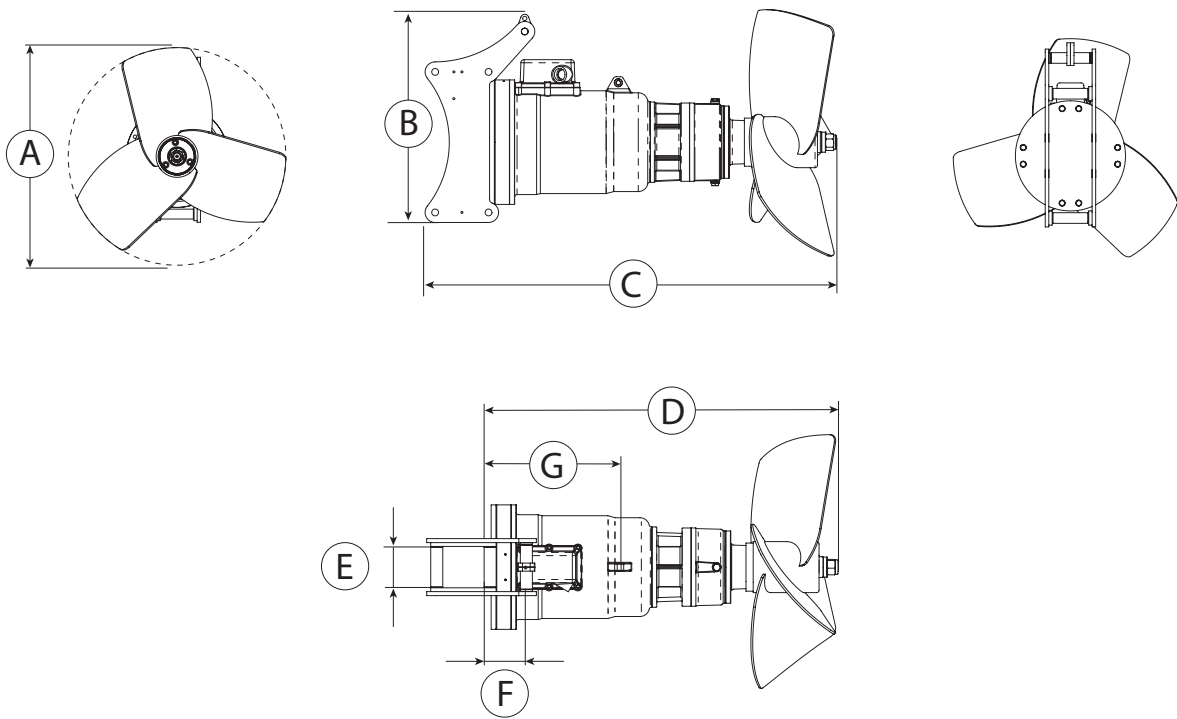
Ductile cast iron housing (GGG40)
Agitator has a two component epoxy coating
Agitator is galvanically isolated from the guide mast

Electric Cable

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

Controls (optional)

Star-delta switch, soft start or frequency converter



Dimensions

Type	A Ø [in]	B [in]	C [in]	D [in]	E [in]	F [in]	G [in]				
2G 150-460	22.9	20.5	43.3	35.4	4 / 6	4.1	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 150-460	20	60	3.83	460	22.9	674	14.1	17,171	367		

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