

GF10000 FEATURES

Technology Description:	Floating, AC powered, circulation equipment for wastewater treatment and freshwater applications. Continuous operation on single-phase AC power.
Flow Rates:	<i>Flow rates at full speed at 10 feet (3 meter) diameter.</i>
Direct Flow Rate - Day	3,000 gallons per minute, (12,000 Liters per minute).
Induced Flow Rate - Day	7,000 gallons per minute. (26,000 Liters per minute).
Combined Flow Rate - Day	10,000 gallons per minute. (38,000 Liters per minute).
Combined Flow Rate - Night	10,000 gallons per minute (38,000 Liters per minute).
Machine Size/Weight:	Assembled machine is 16 feet (5m) in diameter and weighs 850 pounds (380kg). Shipping crate is 87" (2.2m) wide X 87" (2.2m) long X 65" (1.7m) high, approximately 1500 pounds (680 kg).
Materials of Construction:	316 stainless steel construction. Foam-filled high-density polyethylene (HDPE) floats. Thermoplastic rubber intake hose.
Drive System:	High torque, direct drive (no gearbox), low voltage brushless D.C. motor.
Power Requirement:	<i>Requires single-phase 120VAC / 60 Hz / 15 Amp Service, Not supplied by Medora Corp.</i>
Wiring/Controls	Includes power box which converts 120VAC to low voltage DC power. Includes submersible, SOOW type, cable with inhibitors for UV protection. SCADA accessory compatible.
Rotating Assembly:	Removable assembly with easy access to motor and power box. Impeller handles 4-inch (10 cm) spherical solids. Oil-filled (food grade) teflon freeze sleeve with o-rings, shaft. Rotational indicator on shaft.
Flotation System:	Three floats in triangular pattern each with an adjustable float arm for proper vertical positioning, total float buoyancy of 1,200 pounds (550kg).
Fluid Intake Assembly - Option 1:	<i>Hose system bolted to bottom of structural assembly.</i>
Hose System	10 to 100 feet (3 to 30.5 meters) available in 36 inch (91 cm) diameter X 10, 15, or 20 feet (3, 4.5, 6 meter) sections.
Intake Type	Horizontal plate with 12-inch (31 cm) openings.
Intake Depth Adjustment	15 feet (4.5 m) of field adjustment with three SS chains connected to hose coupling.
Fluid Intake Assembly - Option 2:	Fixed horizontal plate bolted to bottom of structural assembly.
Intake Type	Fixed horizontal plate with 12-inch (31 cm) openings.
Intake Depth Adjustment	No adjustment necessary. Horizontal inflow from 25 in (64 cm) below distribution dish.
Fluid Intake Assembly - Option 3:	<i>See GF10000DM Dual Mix Features Sheet.</i>
Anchoring:	Tethered to shore with SS cable.
Ice Protection:	Freeze sleeve and positive pumping under distribution dish to maintain circulation.
Minimum Operating Depth:	30 inches (0.8 m) with fixed horizontal plate. No damage to machine or bottom of reservoir when run dry in shallow water.
Accessories Available:	(1) Chemical Injection Kit (2) SCADA Accessories
Life/Maintenance/Warranty:	Expect 25-year life, minimal maintenance. Limited 2-year parts and labor warranty. 10 year motor warranty.