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Technical Data Sheet

GF10000

Technology Description- Floating, AC powered, circulation equipment for wastewater treatment and freshwater applications. Continuous operation on single-phase AC power.

Materials of Construction - T316 stainless steel constructions.
Foam-filled high-density polyethylene (HDPE) floats.
Thermoplastic rubber intake hose. HDPE Strainer.

Flow Rates -
Flow rates at full speed at 10 feet (3.0 meter) diameter
Direct Flow Rate: 3,000 gpm (12,000 lpm)
Induced Flow Rate: 7,000 gpm (26,000 lpm)
Combined flow Rate: 10,000 gpm (38,000 lpm)

Drive System - High torque, direct drive (no gearbox), low voltage brushless D.C. motor.

Minimum Water Depth - Minimum of 30 inches (0.8m) operating depth required with fixed horizontal plate. No damage to machine or bottom of reservoir when run dry in shallow water.

Flotation System - Three floats in triangular pattern each with an adjustable float arm for proper vertical positioning, total float buoyancy of 1,200 lbs (550kg).

Electrical Requirements - *Requires single phase 120VAC / 60Hz / 15 Amp Service.* ***(Not supplied by Ixom.)***

Figure 1: *GF10000*

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 (10cm) spherical solids. Oil-filled (food grade) teflon freeze sleeve with o-rings, shaft. Rotational indicator on shaft.

Fluid Intake Assembly - Option 1 - *Hose system bolted to bottom of structural assembly.*
Hose System: 10 to 100 feet (3 to 30.5m) available in 36-inch (91cm) diameter x 10, 15 or 20 feet (3, 4, 5 or 6m) sections.
Intake Type : Horizontal plate with 12-inch (31cm) openings.
Intake Depth Adjustment: 15 feet (4.5cm) 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 (31cm) openings.
Intake Depth Adjustment: No adjustment necessary. Horizontal inflow from 25 in (64cm) below distribution dish.

Fluid Intake Assembly - Option 3 - See GF10000DM Dual Mix Features Sheet.

Anchoring - Tethered to shore with SS cable.

Ice Protection - Freeze sleeve and positive pumping under distribution dish to maintain circulation.

Accesories Available - (1) Chemical Injecion Kit (2) SCADA Accessories

Shipping Size / Weight

- **Crate -** 87in x 87in x 65in (2.2m x 2.2m x 1.7m) / 1500lbs (680kg) *Exact weight and dimensions varies dependent on machine configuration.*

Maintenance / Warranty - Minimal maintenance. Limited 2-year parts and labor warranty.

Patent Pending

Subject to change without notice.

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