

# 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.)**

**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.

**Accessories Available** - (1) Chemical Injection 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.



Figure 1: GF10000