

# Technical Data Sheet

## GF10000PW

**Technology Description-** Floating, AC powered, circulation equipment for Potable water storage and clearwell applications. Continuous operation on single-phase AC power.

**Materials of Construction - NSF/ANSI Standard 61-** T316 stainless steel construction. Foam-filled high-density polyethylene (HDPE) floats. Thermoplastic rubber intake hose. HDPE strainer.

**The GF10000PW is NSF / ANSI Standard 61 Certified, includes NSF/ANSI 61, Annex G.**



**Minimum Access Opening / Machine Size / Weight -**

Machine can be assembled through 3 feet by 3 feet (92 cm by 92 cm) clear opening. Assembled machine is 16 feet (5 m) in diameter and weighs 850 pounds (380 kg).

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

**Minimum Operating Depth -** At depths below 5 feet (1.5 m), the impeller will be out of the water and the machine will stop circulating water. No damage to machine when run dry in shallow water.

**Minimum Head Space -** 26 inch (0.7 meter) headspace is required.

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

**Rotating Assembly -** Removable assembly with easy access to impeller and impeller shaft.

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

**Wiring Controls -** Corrosion-resistant industrial cord with molded watertight indexed connectors. Low voltage in reservoir. Includes power box which converts single-phase AC voltage to low voltage DC power. **(Electrical power source cable, switches, breakers, emergency stop buttons, or other controls required to be installed in accordance to all NEC, State, and local regulations, Not supplied by Ixom.)**

**Fluid Intake Assembly -** *Intake hose bolted to bottom of structural assembly.*

**Intake Hose :** 10 to 40 feet (3 to 30 m) available in 36-inch (92 cm) diameter X 10, 15 or 20 foot (3, 4.5, or 6 m) sections.

**Intake Assembly at Bottom of Hose:** 48-inch (1.2 m) diameter plate rests just above floor of reservoir. Horizontal flow into the intake hose is through 12-inch (32 cm) openings above the plate.

**Intake Depth Adjustment:** 15 feet (4.5 m) of field adjustment with three SS chains connected to hose coupling.

*Self-adjusting for all depths up to 40 feet (12.2 m).*

**Chlorine Boosting -** Chlorine boost hose, accessible at top of reservoir spans down and connects to intake for fast chlorine dispersion during in-reservoir boosting.

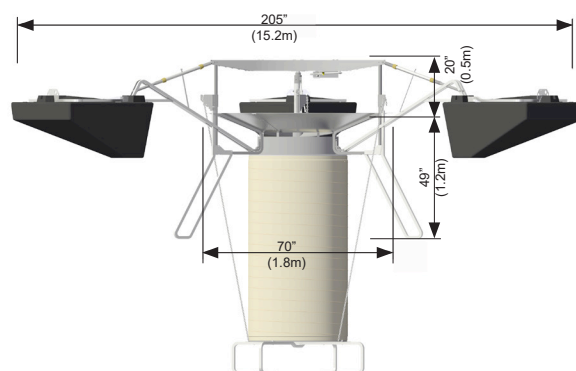
**Accessories Available -** (1) Portable Chlorine Boost System, (2) LED RPM Indicator and (3) Wireless SCADA Kit.

**Shipping Size / Weight -**

- **Crate -** 87 inch W X 87 inch L X 65 inch H (2.2 m x 2.2 m x 1.7 m) / 1,500 pounds (680 kg)

*Exact weight and dimensions varies dependent on machine configuration.*

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



**Figure 1: GF10000PW**