

# Technical Data Sheet



## GF1250PWc

**Technology Description-** Floating, grid powered, circulation equipment for potable water reservoirs. Day/night operation.

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

**The GF1250PWc is NSF/ANSI Standard 61 Listed, includes NSF/ANSI 61, Annex G.**



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

Machine can be installed through 24 inch (61 cm) diameter opening. Assembled machine is 10 feet (3.0 meter) in diameter in floating position and weighs 200 pounds (90 kg).

**Drive System** - High torque, direct drive (no gearbox), axial airgap Lorentz force brushless D.C. motor.

**Minimum Operating Depth** - At depths below 2 feet (0.6 meters), the impeller will be out of the water and the machine will stop circulating water. No damage to machine if ran dry in shallow water.

**Minimum Head Space** - 18 inch (0.5meter) headspace is required.

**Flotation System** - Three floats in triangular pattern each with an adjustable float arm, total float buoyancy of 600 lbs (270 kg).

**Power Supply/Control System** - Requires 120 VAC power source (15 Amp Service Adequate), nominal power consumption is 15 Watts. Power converter 120 VAC input, 45 VDC output.

**Wiring:** Corrosion-resistant industrial cord with molded watertight connectors that are indexed to prevent improper wiring. Low voltage in reservoir, less than 45 VDC.

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

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

**Intake Hose** : 20 to 60 feet (6 to 18 m) available in 8-inch (20 cm) diameter X 20 feet (6 m) sections.

**Intake Assembly at Bottom of Hose**: Rectangular intake with openings around perimeter.

**Intake Depth Adjustment**: No depth adjustment is necessary for fluctuations in water level. Intake draws water in a horizontal layer within 1 inch (2.5 cm) of the tank or reservoir floor.

**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

**Shipping Size / Weight**

- **Crate** - 4 feet W X 6 feet L X 5 feet H (1.2 m x 1.8 m x 1.5 m) / 500 pounds (225 kg) *Exact weight and dimensions varies dependent on machine configuration.*

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