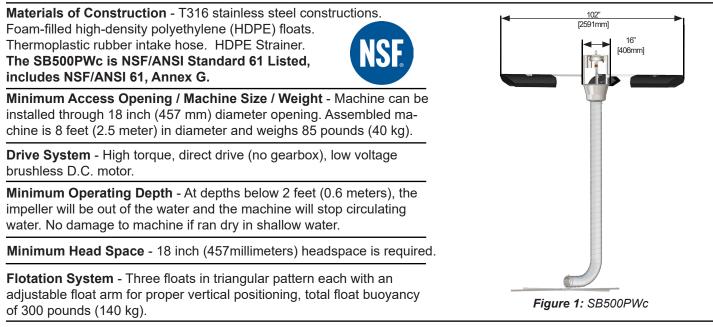
Technical Data Sheet

SB500PWc

Technology Description- Floating, solar powered, circulation equipment for potable water reservoirs. Day/night operation on solar only by utilizing a battery to store excess daytime power for nighttime operation.



Power Supply/Control System - *Photovoltaic (PV) Solar Panel, Battery and Electronic Controller are mounted on rack outside.*

PV Solar Panels: 80-watt photovoltaic solar panel. Battery storage for day/night operation. **Electronic Controller:** Digital, solid-state controller, mounted in weather-tight (NEMA 4X) enclosure with internally fused disconnect. SCADA output through RS-232 Serial Communication (Modbus RTU), DB9 male connection point inside enclosure. Wireless options available, not included.

Wiring: Corrosion-resistant industrial cord with molded watertight connectors that are indexed to prevent improper wiring. Low voltage in reservoir, less than 36 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 100+ feet (6 to 30+ m) available in 6-inch (152 mm) diameter X 20 feet (6 m) sections. **Torque Bar, Chemical Injection:** Torque bar placed at bottom end of hose, positions open end of hose at bottom floor of reservoir.

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 Disinfectant Boost System, (2) LED RPM Indicator (3) Supplemental Power Kit, and (4) Wireless SCADA Kit.

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.

Patent Pending

Subject to change without notice.

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