

SPS W15000-UF



The SPS W 15K-UF is a large scale Ultra Filtration unit for Disaster Relief efforts, Humanitarian Assistance efforts or as a micro utility for a cluster of buildings or village. With a small 6ftX6ftX5ft footprint and a weight of 2700 lbs this system is air, surface or trailer deliverable to any site. It is capable of filtering up to 15,000 gallons of fresh water per day on solar energy alone depending on the weather conditions and solar isolation factor. The installed battery allows for night operations and non-sunny days. Battery recharging takes approximately 4-6 hours based on insolation factor. Additionally the system can utilize power inputs from wind turbines, generator sets, any of the sister Family of Power products or grid power. Once placed the system is very simple to set up (usually within 20 minutes for 2 people) and has minimal O&M costs.

Features

- ✔ Filters up to 15,000 gallons a day at a rate of 10.4 GPM
- ✔ Up to 4 days of Operation Without Recharge
- ✔ Built in redundancy: Solar direct operation built in without batteries required (daytime only) for greater productivity
- ✔ Ultra Filtration Membrane Technology
- ✔ Charcoal Post Filtration: additional filtration and flavoring
- ✔ Onboard Disinfecting Chemical Injection System
- ✔ Supports well operations up to 150 feet
- ✔ Pressure drop auto kill switch-prevents running dry
- ✔ Automatic UF Backwashing
- ✔ NSF Certified components
- ✔ Flow Meter - To Detect Usage
- ✔ Pre & Post Pressure Gauges
- ✔ Retractable Service Platform
- ✔ Adjustable Solar Panel Angle
- ✔ High Volume Pleated Pre-Filtration
- ✔ All Corrosion resistant construction
- ✔ TDS Sensor-preset and customizable
- ✔ 24 Volt VAC Valves (Micro Processor Controlled)
- ✔ System Operational In Maintenance Configuration (no hose disconnect)
- ✔ Bore Hole well depths up to 450 ft with pump upgrade
- ✔ Multiple power source capable
 - Integrated Solar Power
 - Wind Turbine
 - Generator
 - AC Power (110-220)

FILTRATION SYSTEM SPECIFICATIONS	SPS W 15K UF
Membrane Size	4" x 40"
Production Rate	15,000 GPD, 10.41 GPM
Electrical Voltage	110-120 VAC
Pre-Filter	Nano Log 3 filter
Post Filter	GAC w/1 CUFT Area
Unit Dimensions	37"Wx68"Dx30"H
Dry Wiegght (lbs)	2700 LBS
Dry Weight (lbs)	35 LBS

OPERATING SPECIFICATIONS	
Minimum Feed Pressure	5 PSI
Operating Pressure	35 PSI
Max Hardness of water	20 Grains
Max Water Temperature	105°F
Max Chlorine (Continuous)	3 PPM
Max Total Dissolved Solids	3000 PPM
PH Range	4-11
Turbidity	250
Max Total Suspended Solids	600 PPM

Available Accessories

- ✔ NATO Slave Receptacle Power cable
- ✔ AC/DC Converter
- ✔ Deep Well Augmentation
- ✔ Solar Panel Set with Case - 220 Watt Blanket
- ✔ 10 or 50 foot NATO Connector Cable
- ✔ High Volume Feeder Pump
- ✔ Storage Tanks
- ✔ Additional 25 foot water hose sections with power chord
- ✔ US Garden Hose adapter to other tube standard
- ✔ Free standing Pole mount stand for panel and unit

Consumables

- ✔ UF Membrane
- ✔ Feeder Pump Filter Sock
- ✔ Pre-Filter
- ✔ Post Filter