

Offshore Wind Power Systems of Texas LLC

TITAN 200 FWSS System Saltwater to Freshwater Specifications

Performance:

Rated Performance / Product Water Produced: +/-15% at 820 PSI / 56.6 BAR, 77°F / 25°C & 35,000 PPM TDS typical sea water

Model #	Per Hour	Per Day
42m3/S2	458 gal/1,735 lit	11,000 gal/41,639 lit
76m3/S2	833 gal/3,155 lit	20,000 gal/75,708 lit
98m3/S2	1,083 gal/4,101 lit	26,000 gal/98,420 lit
121m3/D2	1,333 gal/5,047 lit	32,000 gal/121,133 lit
132m3/D2	1,458 gal/5,520 lit	35,000 gal/132,489 lit
144m3/D2	1,583 gal/5,994 lit	38,000 gal/143,845 lit
144m3/D3	1,583 gal/5,994 lit	38,000 gal/143,854 lit
159m3/D3	1,750 gal/6,624 lit	42,000 gal/158,987 lit
167m3/D3	1,833 gal/6,940 lit	44,000 gal/166,558 lit

Salt Rejection (Chloride Ion): Minimum 99.2%, Average 99.6%

Product Water Temperature: Ambient to feed water temperature

Salinity Monitoring: Automatic electronic monitoring. Temperature compensated with the solid state continuous "Bar LED" readout. The salinity monitoring components of the system give a continuous TDS readout in micromhos per cubic centimeter, are temperature compensated and of a fail safe design.

Salinity Range: Designed for seawater use up to 50,000 PPM TDS (NaCl) (typical seawater salinity is 35,000 ppm)

Temperature Range: Max. 122°F / 50 °C, Min. 33°F / .5°C

System Feed Water: Flow: 45-65 gpm / 170-246 lpm (depending on system)

Reverse Osmosis Membrane: Selected High Rejection/High Yield aromatic tri-polyamide, thin film composite, spiral wound, single pass, high rejection reverse osmosis membrane element.

Chlorine Tolerance: 0.1 PPM

pH Range: 3-11 (typical seawater pH is 8)