



OSMOSEA EVO 221S NAUTICAL/LAND FACILITIES WATERMAKER 85 LT/H

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The Osmosea EVO 221S watermaker is a one-piece reverse osmosis plant equipped with 2 carbon 2521 vessels, capable of supplying up to 85 lt/h of fresh water through the reverse osmosis process.

The watermaker's semipermeable membrane used in the reverse osmosis process separates the salt and impurities in the seawater from the freshwater, allowing the freshwater to be collected on the opposite side of the membrane.

The Osmosea EVO 221S nautical watermaker is specially designed for boats, offering constant production of fresh water thanks to its automatic control system, which regulates pressure and pump speed.

Versatility is one of the key features of the Osmosea EVO 221S. Due to its high production capacity, it is suitable for a wide range of applications, including luxury yachts, commercial boats, and sports boats. It can easily provide fresh water for cooking, showers, washing and other daily needs.

The desalination system is designed to be compact and easily installed in both marine and land environments. The OSMOSEA Evo 221S has a solid and durable frame that ensures durability and protection of internal components. In addition, the watermaker is designed for quiet operation with low power consumption, offering optimal efficiency in both freshwater production and energy savings.

Reliability and durability are key features of the Osmosea EVO 221S. Constructed of high-quality, corrosion-resistant materials, it is designed to withstand demanding marine conditions, ensuring long life and consistent performance over time. It requires minimal maintenance and offers reliable operation even in adverse marine conditions.

The watermaker is sold complete with:

- Touchscreen Remote Panel
- APS (Automatic High Pressure Regulation System)
- AISI 316 Stainless Steel Feed Pump
- High pressure pump made of AISI 316 stainless steel
- Pre-filters
- Post-filter
- AFS (Automatic Flushing System)
- Carbon Filter for Flushing
- Non-compliant produced water rejection system
- Digital Plant Controller
- Analog Emergency Panel
- Non-Return Valve
- NMEA 2000 Compatibility

Its compact design allows easy installation on board, optimizing the use of available space on the boat. In addition, it is equipped with an intuitive control panel that allows quick and easy management of desalination operations.

The Osmosea EVO 221S watermaker's control system constantly monitors the quality of the water produced, ensuring that it is of high quality and potable. The Osmosea EVO 221S watermaker is also compact and easy to install, suitable for any vessel, large or small, and requires little in the way of maintenance.

REMOTE PANEL FUNCTIONS

- Start/Stop
- Start with Soft Start
- Automatic Stop with timer or with programmable liter counter
- Inlet Pressure Readout
- Differential pressure reading
- Readout lt/h produced
- Salinity reading
- Hour counter
- Immediate osmotic membrane flushing
- Osmotic membrane flushing Periodic
- Automatic Pressure Regulation
- Salinity Monitoring and Control System

TECHNICAL CHARACTERISTICS OSMOSEA EVO 221S

Production: 85 lt/h
Daily Production: 2040 lt/day
Vessel Number: 2
Vessel Type: 2521 Carbon
Membranes: Tri-polyamide high efficiency
Salt expelled: 99.4%
Pressure adjustment: Automatic
Salinity monitoring: Automatic
Maximum use salinity: 50000 ppm
Power supply voltage: 110 / 230 V
Frequency: 50 Hz
Installed power: 2 KW
Frame: stainless steel
Length: 699 mm
Width: 430 mm
Height: 441 mm
Weight: 53 kg

Looking for a watermaker with different features? [HERE](#) you can find the area dedicated to watermakers from OSMOSEA or other specialized brands.

Non-binding images and technical data.

Technical Sheet

Length (mm)	699
Width (mm)	430
Height (mm)	441
Feed Type	110 / 230
Production for hour at 25°C (Lt/h)	85

Daily production at 25°C (Lt/day)	2040
Membranes	n.2 2.5" x 21"
Remote panel	Digital touch screen
Product type	Watermaker
Weight (Kg)	53
