



## OSMOSEA OSMO4 REVERSE OSMOSIS SYSTEM 440LT - 230V

Reference: A-0000002476

### OSMOSEA OSMO4 REVERSE OSMOSIS SYSTEM 440LT - 230V

The **OSMOSEA OSMO4 REVERSE OSMOSIS SYSTEM 440LT - 230V** is an advanced system for the production of high-quality fresh water, designed for applications where significant water production is required. With a production capacity of 440 liters/hour (10560 liters/day), this system is ideal for maritime, industrial, or large residential uses.

#### Main Features:

#### Advanced Monitoring:

Digital display for visualizing the salinity of the produced water in Micro Siemens ( $\mu\text{S}$ ).  
Manometers for controlling inlet and high pressure.  
Electronic control unit for automatic management of functions.  
Inlet and high pressure control system.  
AFS (Automatic Flushing System) for automatic membrane flushing.

#### Technical Specifications:

Nominal Performance / Produced Water Performance: +-15% at 116 PSI / 8 BAR, 77°F / 25°C & 2,000 PPM TDS

Production Liters/hour Liters/day: 440 lit / 116.23 gal 10560 lit / 2789 gal

Salt rejected: Minimum 99.2%, Average 99.4%

Produced Water Temperature: Ambient (as inlet water)

Pressure Regulation: Manual

Salinity Monitoring: Electronic automatic monitoring. Temperature compensated. Salinity monitoring components provide continuous reading in Micro Siemens and are designed with a safe design.

Salinity Level: Designed for water up to 2,000 PPM TDS (NaCl)

Temperature Level: Max. 102°F / 39°C, Min. 36°F / .2°C

Reverse osmosis membranes: High selective rejection/High performance tri-polyamide, thin film composite, spiral wound, single pass.

Chlorine tolerance: 0.1 PPM

pH Level: 3-11

Inlet Water System Pressure: Max 58 psi / 4 bar

Nominal Seawater System Working Pressure: 145 psi / 10 bar

Water Connections Feed inlet: 3/4" F

Water Connections Concentrate discharge: 3/8" F

Water Connections Product: 3/8" F

Total Weight: 60 Kg

Electrical Requirements (HP = Horse Power; kW = Full Load Amperes) High Pressure Pump Electric Motor Hz V Hp kW: 50/60 230/400 10.75

Recommended Switch Voltage, Hz and Phase Thermal Magnetic Switch Size 230 VAC: 32 Amp

Recommended Switch Voltage, Hz and Phase Thermal Magnetic Switch Size 400 VAC: 18 Amp

Looking for a product similar to this Osmosea but with different characteristics?[HERE](#) you can find the area dedicated to purifiers or other brands similar to Osmosea.

Images and technical data are not binding. Please always refer to the technical data sheet issued by the manufacturer. Manel service does not assume responsibility for any changes made by the manufacturer.

## Technical Sheet

Frequency (Hz)	50 / 60
Voltage (V)	230 / 400
Dry weight (Kg)	60
Production (Litres/hour) - (Litres/day)	440 lit / 116.23 gal - 10560 lit / 2789 gal
Salt expelled	Minimum 99.2%, Average 99.4%
Pressure Adjustment	Manual
Salinity monitoring	Automatic electronic monitoring
Temperature Level	Max. 102°F / 39°C, Min. 36°F / .2°C
Chlorine tolerance (PPM)	0.1
pH level	3-11
Pressure Inlet system	Water inlet: Max 58 psi / 4 bar
System working pressure	Nominal sea water 145 psi / 10 bar
High Pressure Pump Electric motor (Hz-V-Hp-kW)	50/60-230/400-1-0.75

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Salinity level

Designed for water up to 2,000 PPM TDS (NaCl)

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