



## OSMOSEA OSMO2SL Reverse Osmosis for Brackish Water

Reference: A-0000002729

### OSMOSEA OSMO2SL REVERSE OSMOSIS FOR BRACKISH WATER

The OSMOSEA OSMO2SL is an advanced Reverse Osmosis system for Brackish Water, designed to deliver superior performance in water desalination, particularly suitable for marine and industrial environments. This OSMOSEA OSMO2SL is engineered to produce high-quality fresh water with an extremely low salinity level, thanks to its high-rejection membrane technology.

#### Key Features of OSMOSEA OSMO2SL:

**Digital Display:** The OSMOSEA OSMO2SL is equipped with a digital display that allows real-time monitoring of the salinity of the produced water, expressed in Micro Siemens ( $\mu\text{S}$ ). This ensures precise control of the output water quality.

**Advanced Monitoring System:** The device integrates a pressure gauge for inlet pressure and a high-pressure gauge, ensuring complete and safe control during operation.

**High-Pressure Pump:** Equipped with a high-pressure pump with ceramic pistons and Viton seals, the OSMOSEA OSMO2SL offers superior durability and resistance, minimizing the risks of wear and maintenance.

#### Materials and Construction OSMOSEA OSMO2SL Reverse Osmosis for Brackish Water:

**Stainless Steel Frame:** The structure of the OSMOSEA OSMO2SL is made of stainless steel, ensuring long-lasting durability and resistance to corrosion, which is essential in brackish environments.

**High-Rejection Membranes:** The selective high-rejection membranes, designed with thin-film composite and spiral-wound technology, produce high-quality water, ideal for demanding applications.

**Carbon Vessels:** This model features two 2540 carbon vessels, which eliminate corrosion issues and reduce the overall system weight, making installation and maintenance easier.

#### Safety and Maintenance OSMOSEA OSMO2SL:

The OSMOSEA OSMO2SL includes safety features such as high and low-pressure shutdowns, ensuring the protection of the entire system during operation. Additionally, it comes with a

complete maintenance kit, including replacement filters and cleaning chemicals, ensuring the system maintains optimal performance over time.

Technical Performance of OSMOSEA OSMO2SL:

Production: A production capacity of 200 liters/hour (4800 liters/day), with a minimum salt rejection of 99.2%.

Pressure and Temperature: Operates at a nominal pressure of 145 psi (10 bar) and can handle water temperatures up to 39°C.

The OSMOSEA OSMO2SL represents an excellent solution for those in need of a robust, efficient, and easy-to-maintain Reverse Osmosis system for Brackish Water. With its advanced technology and high-quality materials, it guarantees safe and reliable fresh water production, suitable for various applications in marine and industrial environments. Choosing the OSMOSEA OSMO2SL Reverse Osmosis for Brackish Water means investing in a water purification system that offers high performance and long-lasting durability.

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

Non-binding images and technical data.

## Technical Sheet

|  |   |
|--|---|
| Frequency (Hz)                                 | 50 / 60                                       |
| Voltage (V)                                    | 230 / 400                                     |
| Dry weight (Kg)                                | 60  |
| Membranes                                      | 2 x 2540                                      |
| Production (Litres/hour) - (Litres/day)        | 200 lit / 42 gal - 4800 lit / 1008 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) | 50/60-230/400-2.4-1.8                         |
| Salinity level                                 | Designed for water up to 8,000 PPM TDS (NaCl) |