

Reverse Osmosis Watermakers

OASI

The small Oasi Reverse Osmosis desalination plants are the units of choice when power or space is an issue. They can be run from a yacht's batteries, solar or wind power without the need for a generator and are popular on smaller sailing and motor boats that want to stay free from the constraints and expenses of marinas.

These new-generation watermakers use a low-pressure pump to raise water pressure to only about 15 bar. The high pressure necessary to activate the reverse osmosis process (55-60 bar) is reached through an hydraulic pressure intensifier. The system allows energy savings of up to 80% compared to conventional desalination plants as it requires only the initial energy of the low pressure pump to bring the water into the watermaker.

The OASI excels for hands-on simplicity and high quality components like the stainless steel base, clamps and high pressure fittings, FDA compliant membranes and filters and TÜV certified lightweight carbon fiber pressure vessels. On request, the OASI can be supplied with automatic membrane flushing, electronic control box and a remote control for major comfort as well as with an activated charcoal filter to improve the taste of the produced water.



STANDARD FEATURES:

- Low electric power consumption: 4.8 W/liter (average)
- Automatic pressure regulation
- High and low pressure gauges
- Available voltages: 12 / 24 V dc
- Easy installation, control and maintenance



CONFIGURATION:

- 1 - SEA COCK VALVE
- 2 - CHECK VALVE
- 3 - SEA STRAINER
- 4 - 12-24 V dc MOTOR PUMP
- 5 - PREFILTER 5 μ
- 6 - OASI PUMP
- 7 - REVERSE OSMOSIS MEMBRANE PACK
- 8 - PRODUCED WATER
- 9 - BRINE WATER
- 10 - CONTROL PANEL



ACCESSORIES:

Micro-processor control panel



CDMAR-2 remote control
7" LCD touch-screen remote control



Automatic membranes flushing system



TECHNICAL DATA

Model	Production per hour (litres / gallons)	Production per day (litres / gallons)	Installed Power (kW)	Voltage (Volt)	Current drain (Amps)	Weight (kg)
OASI 30	35 / 9.2	840 / 220	0.2	12 / 24V DC	14 (12V) / 8 (24V)	26
OASI 60	60 / 15.8	1440 / 379	0.55	12 / 24V DC	38 (12V) / 20 (24V)	37

