



Please find below a quotation for the supply of an Open Ocean Water Maker:

Open Ocean - Cape Coleville Electric 110v / 60Hz - Modular

The proposed reverse osmosis desalination plant will utilise a commercial grade high pressure pump, close coupled (no belts) to a 110VAC, 60Hz, single phase electric motor. This would supply high pressure, pre-filtered sea water to a membrane array that would produce a nominal 25 – 75 gallons of potable water per hour from sea water (600 – 1800 GPH) at 25 degrees C and a salinity of 35,000 ppm, at an operating pressure of 800 – 850 psi.

The major components will be assembled in **modular** form to best utilise your available space. These components are universal in nature and many of them are available worldwide, an important feature for a vessel operating internationally. Open Ocean keep circuit boards, fancy controls and flashing lights off their products to provide the most **reliable** water maker in the world.

Specifications:

- 110VAC, 60Hz, single phase electric motor starts up no load
- Direct coupled commercial quality high pressure pump
- Reverse osmosis membranes and 2000 psi fiberglass / carbon pressure vessel modules
- Control panel suitable for dry or wet area mounting
- 12V sea water rated, centrifugal low pressure boost pump
- Single 5 micron polyester pleated **washable** pre-filter for cost effective long life filtration
- Optional extra 20 micron filter for harbour and plankton rich areas
- Fresh water flush facility : Charcoal filter connects to your onboard pressure water system to flush the water maker with fresh water
- Optional automatic timed fresh water flush facility: same as above but with additional electric timer system to automatically flush every 7 days
- Pressure relief valve – protects components from accidental over pressure situations
- Test, rejection and regulation valves
- All high pressure hose is 2500 psi nylon non-corrosive tubing
- You would need to provide a sea strainer, access to the ship's water tanks, and any mounting benches or platforms required to position the Open Ocean components
- Connection to the ship's electrical system must be by an appropriately qualified electrician
- Open Ocean provide all operational components required for installation with the exception of any low pressure standard hose, electrical switches and electrical additions to the ship's electrical system or distribution switch-board, through hull fittings required for seawater feed or brine overboard discharge

Dimensions:

- High pressure pump with electric motor 220mm x 715mm
- Membrane vessel (ea) 90mm x 1180mm
- Control panel 300mm x 440mm
- Boost pump 12V 210mm x 100mm x 100mm
- Sea Water Filter 140mm x 370mm
- Flush Filter 140mm x 370mm

Price NZ\$ (Excluding GST)

Open Ocean M80	80 LPH	1 Membrane/tube	\$ 6850.00
Open Ocean M160	160 LPH	2 Membrane/tubes	\$ 8500.00
Open Ocean M240	240 LPH	3 Membrane/tubes	\$ 10150.00

Options NZ\$ (Excluding GST)

Auto timed fresh water flush facility	\$ 700.00
Extra 20 micron pre-filter	\$ 150.00

Terms

- 50% of the total cost upon receipt of an order, with the remainder due upon completion and before delivery
- Placement of an order indicates acceptance of our terms

Installation

- All water makers come with a manual for installation, operating and trouble shooting. Our systems can be installed by a competent company or individual

Delivery

- Approx 1-2 weeks from order confirmation

Shipping

- Free within New Zealand
- Outside New Zealand extra and will be quoted by destination
- All import duties and taxes outside New Zealand are purchasers responsibility

Warranty

- Open Ocean Ltd provides a limited 5 year warranty on Open Ocean Ltd manufactured parts
- All other parts are original manufacturer's warranty

Service

- Open Ocean will assist you in any way possible with the job, to ensure a practical and satisfactory outcome
- All spare parts and consumables are available from Open Ocean, or most cities world wide