



Approved design and high-quality assemblies ensure the long-term performance

1. Open frame design easy for operation and maintenance carry out.
2. Stainless material and anti-corrosion coats applied.
3. Independent electromagnetic contactors can manage sequence start up and optimal the booster pump, high pressure pump and flush system operation.
4. LED running hour information provided for maintenance due notice.
5. High pressure pump is professional designed for marine-grade reverse osmosis system.
6. 316SS high/low pressure twin gauge design with high anti-corrosive feature for precisely measuring the pressure required.
7. 316SS high pressure regulator is precisely adjusted to meet the specification.
8. Twin inlet water pre-filters can efficiently maintain clean water of pump inlet quality.
9. Fresh water and brine water twin flow meter design can display the real-time flow rate of fresh water and brine water.
10. High performance and high efficiency reverse osmosis membrane ensures highest water quality.
11. High pressure fiberglass vessel is designed to keep high corrosion resistant and durable features.
12. All high-pressure connectors are all made of 316 stainless steel.
13. All low-pressure connections use the corrosion resistant plastic quick connectors for rapid installing or replacing.
14. Fully auto-flushing system to minimize that user's maintenance loads that would bring membrane cleaning as if new product condition.
15. Heavy-duty operation and anti-vibration mounted foots can restrain ship vibration and resistance of noise.

TIC 水立多
Seawater Reverse Osmosis

Marine R2/R3/R5 Series

SEAWORTHY

Sea Water Reverse Osmosis



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Seawater Reverse Osmosis

Sea Water Reverse Osmosis (SWRO) units have been widely used in boats and yachts in the past years and been supplying clean fresh water promptly. To ensure the unit's stability and reliability of long-term continuous running, we provide the unit of intelligent design, high quality marine-grade materials, for simple installation/ easy operating features, so that the boat-owners worldwide can get the fresh water of constant quality.

The Best Choice for Your Boats

R series SWRO Unit is specifically designed for the small and medium-sized boats and vessels, and its compact size design allows you to choose the best arrangement in storage and space consideration. The simple and clear Chinese/English panel indications and push buttons helps user operating system become very easy.

Full Tested and Service

All the SWRO units have been fully tested, we ensured you have the best quality RO system. Very limits lead time required for after-sales service arrangement and sufficient spare parts inventory for quick supply. Standard models are stocked available for quick delivery.

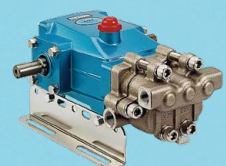
TRANSCENDENCE,
METICULOUS, EVER RELIABLE,
FINE BOUTIQUE DESIGN

R Series Specifications					
Model	Product FW (GPD)	Motor	Model	Product FW (GPD)	Motor
R2-200S	200	2HP/3PH	R2-800S-L	800	2.5HP/1PH
R2-400S	400	2HP/3PH	R2-1200S-L	1200	2.5HP/1PH
R2-600S	600	2HP/3PH	R3-800S	800	3HP/3PH
R2-200N	200	2HP/3PH	R3-1200S	1200	3HP/3PH
R2-400N	400	2HP/3PH	R3-1600S	1600	3HP/3PH
R2-600N	600	2HP/3PH	R5-2000S	2000	5HP/3PH
R2-400S-L	400	2.5HP/1PH	R5-2600S	2600	5HP/3PH

* Fresh water output and salt removal rate of R series are tested under seawater salinity 35000 PPM at temperature 25°C and working pressure 56 bar (800 psi).
 * The max. seawater salinity of R series is up to 60000 PPM at temperature max. 50°C and min. 9°C. The average salt removal rate can reach 99%.
 * Data shown in the above table are for reference only. Testing is based on 220V/3Ø/60HZ
 * The models of higher water output and of AC380V or AC440V are also available. For further information, please contact your local distributor.

Functions and features:

- Powerful long-life Microprocessor Controller can display the real-time operating conditions for high performance & high steady running.
- Salinity indicator can display water TDS quality that calculated from conductivity of fresh water production.
- High salinity contained water auto-drainage function.
- Fresh water auto-flush system when pump system shutting down.
- 316SS low pressure booster pump is to supply constant raw sea water source to ensure pump performance for long term at sea.
- Low inlet pressure, the system auto stop.
- System over-pressure auto shutdown protection device.
- Hi pressure pump discharge over-pressure, the system auto stop.
- Standardize installation assemblies.



Seawater High Pressure Pump



High Performance Booster Pump



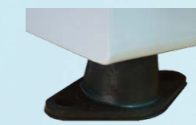
Timing & Salinity Indications



High Pressure Membrane Module



Twin Pre-Filters



Heavy-duty Anti-Vibration Mount



Crankcase Oil



Membrane Cleaner