



Sea Water Reverse Osmosis (SWRO) units have been widely used in boats 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 units with intelligent design, high quality marine-grade materials, simple installation, low failure rate and high operating performance.

Model	SV4500S	SV5200S	SV5300S	SV5300N	SV6700S
Product Water Output	4500 GPD	5200 GPD	5300 GPD	5300 GPD	6700 GPD
Hi-Pressure Pump	316SS	316SS	316SS	NAB	316SS
Voltage	AC220V, AC380V, AC440V ( 50 HZ OR 60 HZ )				
Max. Freshwater Salinity	< 500 ppm				
Max. Inlet Temp.	45°C				
System Control	Microprocessor control,Running timer,Fresh water salinity indication, Start-stop button with indicating light				
System Protection	Circuit breaker,System overload protection device,Emergency stop button				
Safety Protection	System auto shut-off upon inlet low pressure failure, system,system auto shut-off upon too high pressure,Auto discarding upon poor water quality				
System Flush	System auto-flushing after shutdown>manual cleaning can be operable and repeatable				
Inlet Filter	Dual pre-filter				
Pressure Adjustment	316SS High pressure regulator				
Flow Meter	Freshwater flowmeter,Brine flowmeter,Seawater flowmeter				
Pressure Gauge	316SS High pressure gauge,316SS low pressure gauge				
Fitting	316SS high and low pressure fittings and joints,PP/PE Quick connectors and fittings, SCH80 PVC Low pressure fittings				
Frame Type	Anti-corrosion coated and upright-fixed stainless steel collision-resistant frame, Heavy-duty anti-vibration mounting pads				

## SEA WATER REVERSE OSMOSIS

### Functions and Features:

- Powerful microprocessor-controlled electronic system indicates the real-time operation conditions and effectively controls system operation for providing technical and operational reliability.
- Freshwater salinity indicator, the system automatically indicates the quality data of normal freshwater production.
- High salinity water auto- discarding function.
- Fresh water auto-flushing system when shutting down.
- Low inlet pressure auto shutdown protection device.
- System over-pressure auto safety protection device.
- Suit for long-term continuous running and meet with the marine-grade design.
- Provide standardized installation assemblies.
- Rapid spare parts supply.



### Seawater Parameters:

Seawater Salinity: 35,000 ppm  
 Seawater Inlet Pressure : 0.8 - 2.8 kg/cm<sup>2</sup>  
 Salt Removal Rate: 99% on average  
 Seawater Temperature Range: 9 - 45°C

Model	SV7600N	SV7600S	SV8000S	SV9600N	SV9600S
Product Water Output	7600 GPD	7600 GPD	8000 GPD	9600 GPD	9600 GPD
Hi-Pressure Pump	NAB	316SS	316SS	NAB	316SS
Voltage	AC220V, AC380V , AC440V ( 50 HZ OR 60 HZ )				
Max. Freshwater Salinity	< 500 ppm				
Max. Inlet Temp.	45°C				
System Control	Microprocessor control,Running timer,Fresh water salinity indication, Start-stop button with indicating light				
System Protection	Circuit breaker,System overload protection device,Emergency stop button				
Safety Protection	System auto shut-off upon too low inlet pressure,system auto shut-off upon too high pressure,Auto discarding upon poor water quality				
System Flush	System auto-flushing after shutdown,manual cleaning can be operable and repeatable				
Inlet Filter	Dual pre-filter				
Pressure Adjustment	316SS High pressure regulator				
Flow Meter	Freshwater flowmeter,Brine flowmeter,Seawater flowmeter				
Pressure Gauge	316SS High pressure gauge,316SS low pressure gauge				
Fitting	316SS high and low pressure fittings and joints,PP/PE Quick connectors and fittings, SCH80 PVC Low pressure fittings				
Frame Type	Anti-corrosion coated and upright-fixed stainless steel collision-resistant frame, Heavy-duty anti-vibration mounting pads				

### Options:

- Electronic-controlled components flowchart synchronizes with the system operation to effectively indicate running status of electronic-controlled system.
- Seawater inlet coarse pre-filter.
- 316SS seawater intake booster pump improves system stability and long-distance installation with ease.
- Inlet seawater TDS correctly indicates PPM value.
- Inlet seawater thermometer indicates real-time seawater temperature.
- Digital high pressure indication can show a more accurate real-time system high pressure.
- Digital freshwater flowmeter can immediately indicate a correct output each time.
- Special anti-corrosion coating can effectively extend useful life of machine and better its appearance.