

Marine/Land Based Seawater Desalination System

EWP has earned the reputation of combining superior service and exceptional support on manufacturing innovative solutions to water purification for some of the most challenging environments.

The marine/land-based SYRO series seawater desalination systems are custom designed for rugged use in harsh environments where a large quantity of potable water is required.

SYRO series seawater desalination systems are designed for high output water requirements with minimum electric power consumption. These efficient models cover the range of 0.5m³/h to 10m³/h. At the heart of the systems is the attention to every detail in our innovative designs, choice of high quality materials and relentless refinement. If you are looking for highest standard and cost effective seawater desalination systems, EWP is your first choice to work with.



Key features

- Modular configuration
- Compact physical dimensions
- Low electrical consumption
- Outstanding reliability with superior quality components
- Completed assembled-all components are delivered in a complete assembled state

Typical installations

- Offshore oil rigs
- Work camps
- Oceanfront resorts
- Marinas
- Residences
- Cruise ships

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Seawater Desalination RO System Introduction-SYRO Series

SYRO series desalination systems produce drinking water from seawater based upon reverse osmosis membrane technique .The quality of the drinking water is continuously monitored by a salinity meter. The design is ideal for simple and maintenance.

Standard system configuration

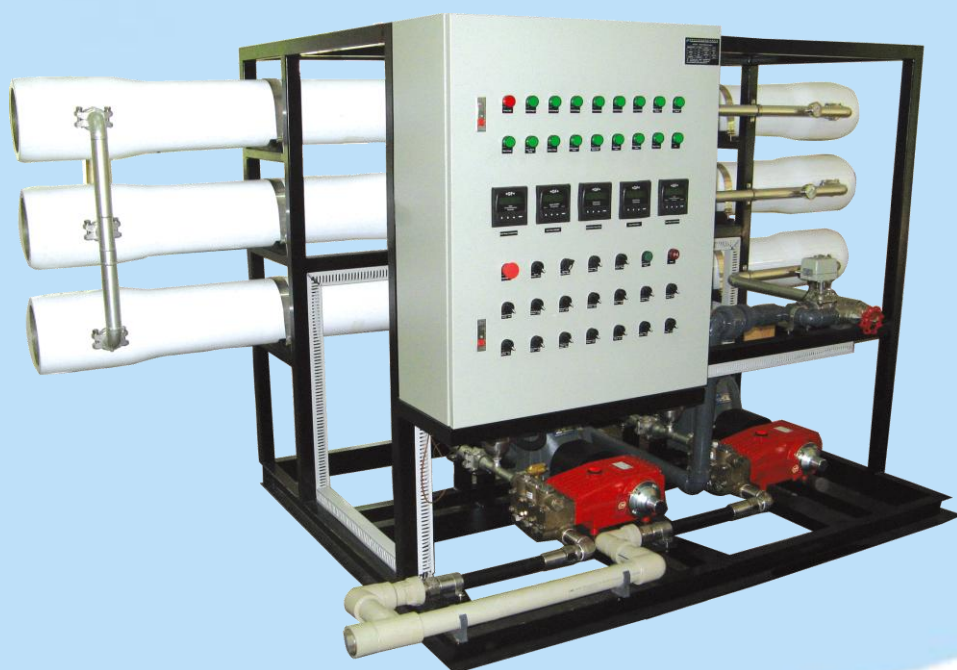
- Corrosion resistant high pressure plunger pump
- Heavy duty high pressure piping
- Automated flush after each stop
- Low pressure switch before the high pressure pump
- Feed water cartridge filter (5 micron)
- All electrical equipment minimum IP54

Optional Equipment

- CIP cleaning tank
- Dosing equipment for chlorine, anti-scalant or chlorine removal
- Prefiltration sand filters
- UV sterilization

Model	Output capacity		Operational Pressure(MPa)		Electric Source(kW)		Physical Dimension*(mm)	Remark
	m3/h	GPD	Pre-treatment	Membrane System	Voltage(V)	Power*(kW)	Length*Depth*Height	
SYRO-300	0.05	300	0.1~0.3	4~6.5	220/380	1.5	580*440*1600	Vertical
SYRO-600	0.1	600	0.1~0.3	4~6.5	220/380	1.5	580*440*1600	Vertical
SYRO-900	0.15	900	0.1~0.3	4~6.5	220/380	1.5	580*440*1600	Vertical
SYRO-1500	0.25	1500	0.1~0.3	4~6.5	220/380	2.2	650*440*1600	Vertical
SYRO-3000	0.5	3000	0.1~0.3	4~6.5	380	4.5	950*600*1800	Vertical
SYRO-6000	1	6000	0.1~0.3	4~6.5	380	7.5	2500*700*1200	Horizontal
SYRO-15000	2.5	15000	0.1~0.3	4~6.5	380	22	2500*1200*1700	Horizontal
SYRO-30000	5	30000	0.1~0.3	4~6.5	380	40	3400*1500*1800	Horizontal
STRO-60000	10	60000	0.1~0.3	4~6.5	380	80	3400*2000*1800	Horizontal

The capacity is calculated with a sea water temperature at 25C and TDS at 35000ppm, stand test pressure 900psi and 15% recovery ratio. The treated and produced water flow will decrease with lower temperature.



Available Skid Mounted Custom Engineered Systems

EWP manufactures skid mounted seawater desalination systems as a turnkey system individually designed to meet your specifications and pre-tested to ensure accurate connections. The skid mounted system comes completely pre-assembled, piped, wired and ready to operate.

Where the need for clean, fresh and pure water arises, EWP offer a complete line of reverse osmosis systems that are capable of fulfilling any fresh water need.

Large systems with big capacity are upon request.

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