



Reverse osmosis seawater brackish water desalination equipment

Brief introduction:

RO-X series reverse osmosis seawater and brackish water desalination equipment are divided into mobile unit (RO-XM) and engineering unit (RO-XE).

The mobile device is suitable for group water supply for mobile operations such as vehicle or marine, such as ocean-going merchant ships, drilling platforms, field exploration, etc.;



The industrial scale seawater desalination device is suitable for islands, residences, high saline alkali areas and seawater reverse irrigation areas. The unit adopts the most advanced American seawater reverse osmosis membrane elements, pressure vessels, high-pressure pumps and other equipment in the world, and is equipped with reasonable and efficient pretreatment equipment, which can effectively remove harmful components such as inorganic salts, heavy metal ions, organics, bacteria and viruses in seawater, and desalinate seawater to meet the national drinking water standard.

Function:

Pretreatment systems such as multi-media filter, microfilter and sterilization device protect the reverse osmosis membrane from damage.

American seawater composite reverse osmosis membrane with high desalination rate and low operating pressure has excellent water quality, low operating cost and long service life.

Imported high-pressure pump with high efficiency, low noise and excellent quality.

The imported on-line raw water and product water conductivity meter and pH meter can monitor the water quality at any time.

Imported online product water and concentrated water flowmeter can monitor the product water volume and system recovery rate at any time.

PLC program controls automatic start and stop, dosing and flushing.

Equipped with automatic circulation cleaning system for cleaning after membrane pollution.

The quick flushing valve washes the membrane surface regularly to reduce the membrane pollution speed and prolong the service life of the membrane.



Operating parameters:

Water production: 0.75m³/h-100m³/h-set

Desalination rate: average 99%

Operating pressure: 4mpa-7mpa

Recovery rate: 10% - 40%

Seawater temperature: 2 °C - 40 °C

Equipment model and specification:

Model	Water Yield (L/d)	Motor power (KW)	Inlet size (Inch)	Equipment size (cm)	Weight (kg)
RO-XM-75	750	2.2	1/2"	85x60x47	69
RO-XM-150	1500	2.2	1/2"	85x60x47	72
RO-XM-300	3000	4.0	1/2"	150x60x47	88
RO-XM-600	6000	4.0	3/4"	150x60x47	100
RO-XM-750	7500	4.8	3/4"	150x60x47	135
RO-XM-1500	15000	4.8	1"	150x60x47	270

Model	Water Yield (m ³ /d)	Motor power (KWH/m ³)	Inlet size (Inch)	Equipment size (cm)	Weight (kg)
RO-XE-30	30	3.8	1.5"	365x122x150	600
RO-XE-45	45	3.8	1.5"	365x122x150	800
RO-XE-100	100	3.5	2"	365x80x220	1500
RO-XE-500	500	3.2	4"	720x140x220	2500
RO-XE-1000	1000	3.0	6"	720x140x220	4500