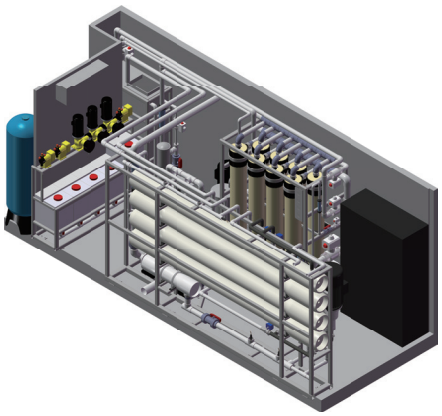
Scinor
Membrane Technology

EasyIns® Mobile Seawater Desalination System



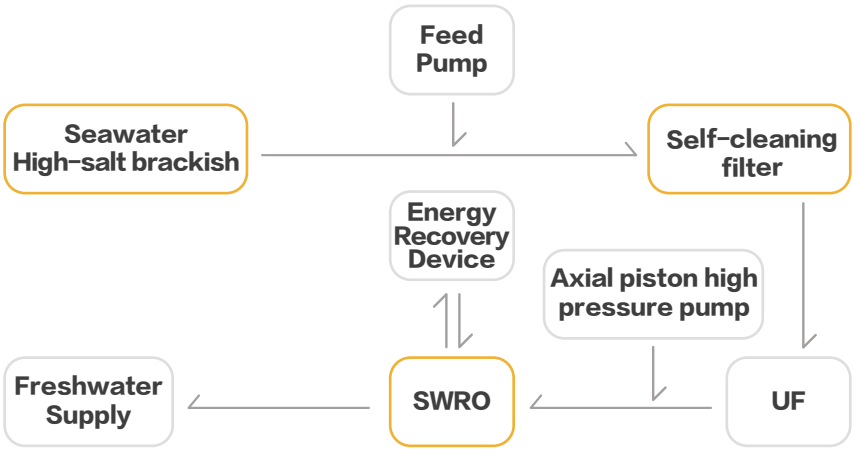
High-integrated UF&SWRO seawater and high-salt brackish water desalination system

EasyIns® Mobile Seawater Desalination System (MSDS), which is designed and manufactured by Scinor, uses the advanced short-process of UF+SWRO technology.

It has the advantages of small footprint and very transportable, easy installation, ready-to-use on-site and so on. It saves the transportation and installation cost & time by containerized and integrated design. The operation, completely automated, lies in PLC system of human-computer interaction design including data logging and remote monitoring.

The applications are broad, including desalination system for coastal and island residents, seaside hotel, offshore platform and high-salt brackish water and so on. It is also suitable for mobile emergency relief water supplying.

System Process



Characteristics and Advantages

·Fully-integrated

Well equipped
Full-function and Well equipped
Shorter installation time

·Easy installation and maintenance

Very transportable containerized design
Easy installation for building block design

·High-product quality

Guaranteed product quality and reliable operation by UF+SWRO process
Prolong life-span of SWRO system

·Intelligent human-machine interface system

Automatic operation
Automated Data Analysis
Remote monitoring and fault alarm

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Specifications

Model	EI-MSDS-200	EI-MSDS-600	EI-MSDS-1000	EI-MSDS-2000
Max Capacity (m^3/d)*	200	600	1,000	2,000
Recovery Rate**	35%	40%	41%	41%
Container Type	20GP	40HQ	40HQ+20HQ	40HQ+40HQ
Shipping Weight (ton)	12	20	27	38
Operating Weight (ton)	15	27	37	50
Rated Power (kW)	40	114	158	318
Power Requirement	AC380 V±10%, 50Hz (Other inputs could be customized)			

Operating Conditions

Operating Parameters	Water Temperature (℃)	5 – 40
	Feed Water Salinity (mg/L)***	(TDS) 20,000 – 45,000
	Feed Water Turbidity (NTU)	⩽ 10
	Feed Water TOC (mg/L)	⩽ 10
Filtered Water Parameters*	Product conductivity (μS/cm)	⩽ 1,200

Note:

* System capacity depends on the raw water quality and operating conditions.

** The recovery rate is considered as the whole system (UF+SWRO), and it is depended on raw water quality.

*** If the feed water is worse than above, extra pretreatment might be needed. Otherwise severe fouling might be found. Please contact us for solutions.

Coastal and island residents

Offshore platform

High-salt brackish water

Emergency relief