PERFORMANCE DISTRIBUTION



SUCCESSFUL SERVICE
2000+ PROJECTS

DAILY PROCESSING WATER VOLUME
1200+ TEN THOUSAND TONS

APPLICATION SCENARIOS


Factory Emergency Water Supply


Construction Site


Water For Hotels And Resorts


Oil Rig


Emergency Water Supply
Forisland Residents



Ocean Going Vessels

MISSION | Committed to achieving wastewater reuse and zero liquid discharge through technological innovation

VISION | Becoming a globally leading provider of water treatment solutions

VALUES | Honesty Integrity Innovation Cooperation

Infinity Tech Engineering

Local business contact for the Egyptian market

EGYPT CONTACT

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OUKE®

AQUASEA™ INTEGRATED SEAWATER DESALINATION PACKAGE



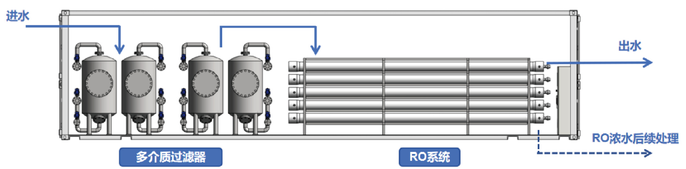
RECLAIM WASTEWATER·REGENERATE LIFE

■ COMPANY PROFILE

Suzhou OUKE Environmental Protection Co., Ltd.(OUKE WATER TECHNOLOGIES PTE. LTD.) has been dedicated to water resource regeneration for over twenty years. Leveraging top international technology and innovative teams, we are committed to achieving wastewater reuse and zero discharge. Our services span desalination, textile dyeing, steel, coal chemical, electroplating, municipal, and leachate treatment, serving over 2,000 clients worldwide. We continuously drive industry standard upgrades, helping clients realize both environmental and economic benefits. Looking ahead, we will continue to empower every drop of water with scientific innovation.



■ PRODUCT OVERVIEW



The AquaSea™ series seawater desalination packages integrate pretreatment, low-pressure reverse osmosis, and energy recovery technologies to achieve up to 99.89% desalination efficiency with exceptionally low energy consumption of only 2.4 kWh per cubic meter. These systems effectively remove salts, heavy metals, and organic contaminants from seawater to produce high-quality freshwater.

■ EQUIPMENT DISPLAY



■ KEY ADVANTAGES

Energy-efficient

Low-pressure grid RO and energy recovery technology: reduces energy consumption by 20% compared to conventional systems

intelligent control

One-button start and automated operation with APP-based remote monitoring for unattended, intelligent management

Ultra high desalination rate

Advanced nano-coating for 99.89% salt rejection, ensuring premium freshwater quality

Wide range of applications

Wide application across vessels, islands, and coastal cities, offering flexible solutions for diverse environments

compact footprint

Modular, fully integrated design for easy installation and minimal footprint

Reliable and durable

High durability and low maintenance featuring premium materials and craftsmanship for long-term reliable operation

■ EQUIPMENT PARAMETERS

System Performance

MODEL	CAPACITY (M^3/D)	DIMENSIONS (L×W×H)	INSTALLED POWER (KW)	OPERATING POWER (KW)	EMPTY WEIGHT (T)	FULL WEIGHT (T)
AquaSea-C50	50 m^3/d	6058×2438×2591 mm	19 kW	15 kW	6.5 t	32 t
		20×8×9′6″ ft			6.4 lt	31.49 lt
AquaSea-C100E	100 m^3/d	6058×2438×2591 mm	17 kW	13 kW	10 t	60 t
		20×8×9′6″ ft			9.84 lt	59.05 lt
AquaSea-C200E	200 m^3/d	12192×2438×2591 mm	32 kW	25 kW	12 t	85 t
		40×8×9′6″ ft			11.81 lt	83.65 lt
AquaSea-C500E	500 m^3/d	12192×2438×2591 mm	68 kW	55 kW	10 t	60 t
		40×8×9′6″ ft			9.84 lt	59.05 lt
AquaSea-C1000E	1000 m^3/d	12192×2438×2591 mm *2	125 kW	100 kW	12 t	85 t
		40×8×9′6″ ft *2			11.81 lt	83.65 lt

Remarks:
AquaSea: Integrated seawater desalination equipment C: water cycle E: Energy recovery device

Water Quality Indicators

PARAMETER	UNIT	INFLUENT QUALITY	EFFLUENT QUALITY
Water Temperature	℃	5~35	5~35
COD	mg/L	<10	-
Turbidity	NTU	<10	0.1
Iron Ion	mg/L	<0.1	-
Manganese Ion	mg/L	<0.1	-
TDS	mg/L	20000~45000	<1000

Power requirements

VERSION	ISO (CHINA)	ISO (SPAIN)	ASME (AMERICA)	ASME (CANADA)
Voltage	380 V	380 V	460 V	460 V
Frequency	50HZ	50HZ	60HZ	60HZ
Phase	3	3	3	3