PERFORMANCE DISTRIBUTION



SUCCESSFUL SERVICE
2000+ PROJECTS

DAILY PROCESSING WATER VOLUME
1200+ TEN THOUSAND TONS

APPLICATION SCENARIOS


Printing And Dyeing


Steel


Papermaking


Circulating Water


Electron


Coal Chemical Mine Water

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

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OUKE®

AQUARECLAIM™ INTEGRATED RECLAIMED WATER REUSE PACKAGE



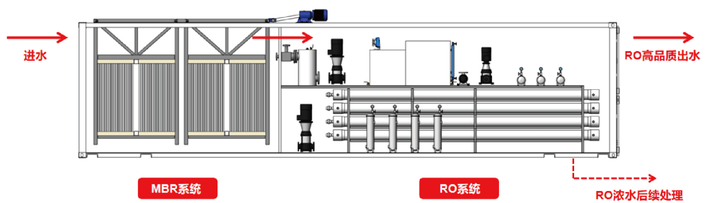
RECLAIM WASTEWATER · REGENERATE LIFE

■ 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



AquaReclaim™ integrated reclaimed water reuse equipment combines world-leading dual-membrane technology—non-aerated PTFE MBR/MCR and RO—to produce high-quality reclaimed water at ultra-low energy consumption. Featuring a flexible modular design, it is suitable for textile dyeing, mine water treatment, industrial cooling water concentrate, steel, and coal chemical industries.

■ EQUIPMENT DISPLAY



■ KEY ADVANTAGES

Dual-membrane system

Imported PTFE hollow fiber UF and TFN RO membranes coupled with non-aerated PTFE MBR/MCR for enhanced, stable filtration and a combined recovery rate up to 75%

Low operating costs

Mechanical scrubbing replaces aeration in MBR/MCR, and PTFE ultrafiltration membranes offer higher flux, strength, and chemical resistance with reduced cleaning frequency and chemical consumption–reducing cost per cubic meter by 50%

Long service life

PTFE membranes last three times longer than PVDF, tank coating provides ≥15 years of corrosion protection

Excellent risk resistance

Robust performance under high-strength, oily, pva-containing, and complex industrial wastewater

Smart O&M

Cloud-based remote monitoring and data analytics to ensure stable, low-energy operation

Compact footprint and easy installation

Modular design for rapid deployment and unattended operation

■ EQUIPMENT PARAMETERS

Models & Dimensions

MODEL	CAPACITY (M^3/D)	DIMENSIONS (L×W×H)	INSTALLED POWER (KW)	OPERATING POWER (KW)	EMPTY WEIGHT (T)	FULL WEIGHT (T)
AquaReclaim-500	500 m^3/d	9125×2438×2896 mm	32 kW	18 kW	5.5 t	40 t
		30×8×9'6" ft			9.84 lt	39.37 lt
AquaReclaim1000	1000 m^3/d	12192×2438×2896 mm	50 kW	27 kW	9 t	45 t
		40×8×9'6" ft			14.76 lt	44.29 lt

Remarks:

AquaReclaim: Integrated reclaimed water Reuse Package

Technical Specifications

PARAMETER	UNIT	INFLUENT QUALITY	EFFLUENT QUALITY
Minimum Water Temperature	℃	12	12
	℉	53.6	53.6
Maximum Water Temperature	℃	45	45
	℉	113	113
pH		6~8	6~8
COD	mg/L	< 150	< 30
SS	mg/L	1000~3000	-
Iron ion	mg/L	< 0.1	-
Hardness	mg/L	< 300	< 50
TDS	mg/L	1000~5000	< 300

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