PERFORMANCE DISTRIBUTION



SUCCESSFUL SERVICE
2000+ PROJECTS

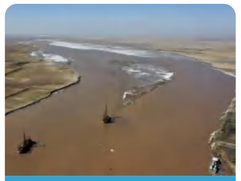
DAILY PROCESSING WATER VOLUME
1200+ TEN THOUSAND TONS

APPLICATION SCENARIOS


Factory drinking water treatment


Municipal water plant renovation


Ocean-going water supply


Brackish Water Purification


Factory emergency water supply


Decentralized water supply

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

INFINITY TECH ENGINEERING

bd@infinitytech-eng.com

+20 100 615 0560

www.infinitytech-eng.com

Business Hive, 46 Abdelrazek Elsenhory,
Nasr City, Cairo, Egypt

Infinity Tech Engineering

OUKE®

AQUANOVA
INTEGRATED HIGH-QUALITY WATER SUPPLY EQUIPMENT



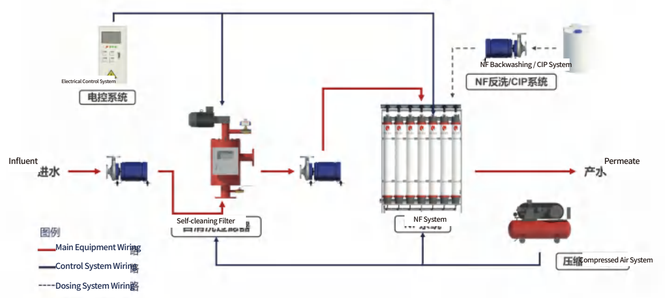
RECLAIM WASTEWATER · REGENERATE LIFE

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 AquaNova Integrated High-quality Water Supply Equipment adopts industry-leading hollow fiber nanofiltration (NF) membrane technology. Compared with traditional spiral-wound nanofiltration, it delivers a more balanced divalent ion rejection rate, while operating pressure is reduced by 40%. Paired with a self-cleaning filter, the equipment footprint is cut by 50%.Featuring a modular design and an IoT-based automatic control system, it automatically adjusts pressure and flow, reducing operation and maintenance (O&M) costs by 35% and extending equipment service life by 20%. The anti-fouling membrane elements last 2–3 times longer than conventional membranes, meeting high-quality water demands for urban and rural water supply, industrial reuse, and zero-liquid discharge (ZLD) applications.

With low energy consumption, full-process intelligence, and resource-based solutions, this equipment redefines water treatment technology and drives the achievement of sustainable development goals.

EQUIPMENT DISPLAY



Equipment Advantages

Efficient and stable water production

Simultaneously remove organic substances, colloids, suspended solids, COD, hardness, etc. from water

Low operating cost

Effectively removes divalent salts without the need for hardness-removal chemicals.

Small footprint

Modular design, integrated integration

Large water production flux

Unique "hollow" structure, with both inner and outer surfaces capable of filtering, the effective area is significantly increased, and the water production flux is approximately 1.5 times that of tubular membranes.

Wide range of applications

Suitable for reclaimed water supply with high hardness and high SS, such as river and lake water, industrial circulating water, and water in coastal cities, etc.

High level of intelligence

Featuring an intelligent operation and maintenance (O&M) system and smart cloud technology, it providesremote monitoring and data analysis.

EQUIPMENT PARAMETERS

Model	Treatment Capacity	Power
AquaNova-1000	1000m³/d	58.85KW
AquaNova-2000	2000m³/d	102.85KW

Model	Unit	AquaNova-1000	AquaNova-2000
Length	m	6.05	12.19
	ft	20	40
Width	m	2.43	2.43
	ft	8	8
Clear Height	m	2.43	2.43
	ft	8	8
Empty Weight	m	8.52	15.36
	ft	8.38	15.11
Full Load Weight	m	12.6	21.09
	ft	12.39	20.75

Water Quality Index

Parameter	Unit	Inlet Water Index	Outlet Water Index
Minimum Water Temperature	℃	12	12
	°F	53.6	53.6
Maximum Water Temperature	℃	45	45
	°F	113	113
pH	—	6-8	6-8
COD	mg/L	<10	<3
Turbidity	NTU	<1	<0.05
Iron Ion	mg/L	<0.1	—
Hardness	mg/L	<300	<50

Power Requirements

Version	ISO (China)	ISO(Spain)	ASME(USA)	ASME(Canada)
Voltage	380V	380V	460V	460V
Frequency	50HZ	50HZ	60HZ	60HZ
Phase	3	3	3	3