

Mobile Desalination Water Device

A New Model of Emergency Services

- Ensuring quality water output
- Assembling modular equipment
- Facilitating mobile installation
- Meeting specific water demands
- Stabilizing water quality
- Saving land area
- Fast emergency water supply
- Reducing transportation losses

Product Introduction

The mobile desalination water device is an integrated equipment with full membrane water treatment technology developed by Yingpu Environmental Technology Co.,Ltd. Combined with the company's accumulated experience in membrane water treatment for more than 20 years, it has the characteristics of modularity, intelligence, convenient transportation and quick installation.

The device has the advantages of efficient operation, stable water supply, safety and low comprehensive operation cost, which can help customers solve the problem of short supply of demineralized water in short term when the demineralized water system fails, the system transformation and the production water demand surges.

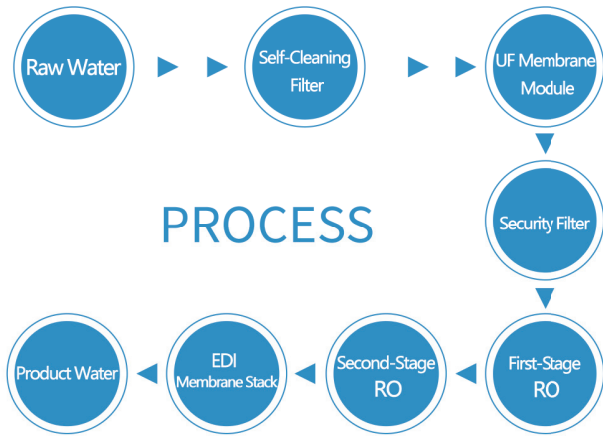


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Process Flow



Product Parameters

Desalinated water quality indicators comply with GB/T 12145-2016 national standards for steam power equipment water and steam quality for thermal power plants

Product Specifications

Daily Water Production(m ³ /d)	1000
Footprint (LWH)m	20*5.5*3
Operating Power(KW)	110
Electricity Consumption per Unit Water Production (KW·h/m ³)	2.0

Water Quality Indicators

Water Quality Indicator	Product Water	Feed Water
Conductivity(μS/cm)	≤0.1	Adjusted based on feed water
Hardness(mg/L)	≈0	Water Quality Analysis Data
Silica(μg/L)	≤20	Adjust Treatment Process

Applications

- Electronics Industry: Integrated circuits, silicon wafers, displays, etc. electronic component rinse water
- Fine Chemicals: Plastics, textiles, dyes, cosmetics, equipment cleaning, etc.
- Chemical Industry: Chemical feed water, chemical product manufacturing, etc.
- Power Industry: Thermal power (boiler) make-up water, high-pressure boiler power systems for factories and mines
- Other Industrial Uses: Automobiles, coating and painting, very low hardness, cosmetics, fine chemicals, etc.



Application Cases

1. Domestic large-scale energy Hebei Beihua Power Plant 100m³/h desalinated water device

As the main power source of East China power grid, all 7 units of Beilun Power Plant operate at high load, with a daily demand of nearly 13,000 tons of desalinated water. In 2021, there was a long drought and little rain in Ningbo, and the reservoir capacity declined sharply, and the whole plant entered the second-level emergency response of raw water supply. YINGPU Environmental challenge industry impossible, in 23 days, two 2*100m³/h emergency debrine water production devices were successfully put into operation.

2. Jiangsu Changshu Thermal Power Plant

As the user's unit steam demand increases, he buys dehydrated water by steam transportation from nearby power plants, which has steam transportation risk, water quality risk and water quantity guarantee risk. To this end, IMpu Environment provides mobile debrine water production device, installation and commissioning of the water within a week, and the thermal power plant pays the debrine preparation cost to YINGPU Environment in the form of tons of water cost. The service life is six months.