

Industrial Reverse Osmosis Water Treatment System

This system utilizes advanced RO reverse osmosis purification technology. It produces sterile water with conductivity less than 5us/cm, meeting the GB17323-1998 national standard.



System Overview

High-Efficiency Industrial RO Solution

This advanced industrial reverse osmosis system utilizes state-of-the-art membrane technology to provide high-purity water for demanding applications. With a desalination rate of up to 98% and high recovery capabilities, it effectively removes contaminants including bacteria, heavy metals, and radionuclides. Designed for durability and precision, the system ensures consistent water quality meeting rigorous national standards for diverse industrial needs.

Certifications

CE

Performance Metrics

Production Capacity

50 ton/h

Flow Rate

98 %

Desalination Rate

Technical Specifications

Power Input

80 kw

RO Membrane Configuration

BW-8040, 54 pieces (single stage)

Booster Pump

CR90-6/45KW

Media Details

Filtration Media

Component	Quantity/Specification
Quartz Sand	12,000 kg
Active Carbon	3,500 kg
PP Sediment Filter	40 inch, 50 pieces

Industry Applications

Suitable Industries

- Food and beverage
- Pharmaceutical
- Chemical Processing
- Chrome plating
- Water and wastewater treatment