

Reverse Osmosis Drinking Water Treatment Plant

This water treatment plant is engineered to purify water, producing both pure and mineral water. It employs a multi-stage process with pre-treatment, reverse osmosis membrane separation, and post-treatment to eliminate impurities, contaminants, and dissolved solids.



ADDITIONAL IMAGES



Product Overview

Reverse Osmosis Treatment System

This small-scale reverse osmosis water treatment plant is designed for reliable production of high-quality pure and mineralized drinking water. It features an integrated, automated system mounted on a stainless steel frame that includes multi-stage pre-filtration, high-pressure pumping, and RO membrane separation. Managed by a central PLC controller, this solution is ideal for applications requiring unattended operation, consistent high-volume filtration, and long service life.

Technical Specifications

Integrated Components

- Booster pump
- Quartz sand filter
- Active carbon filter
- Micropore filter
- High-pressure pump
- Reverse osmosis (RO) membrane
- Conductivity meter
- UV sterilizer
- PLC control unit

Production Capacity by Model

| Model | Capacity (m3/h) |
|----------|-----------------|
| RO-1000 | 1 |
| RO-2000 | 2 |
| RO-3000 | 3 |
| RO-4000 | 4 |
| RO-5000 | 5 |
| RO-10000 | 10 |

Key Features

Core Benefits

Automated PLC Control, Stainless Steel Frame, High-Volume Filtration, Bacteria & Virus Removal, Long Service Life, Unattended Operation