

Household Reverse Osmosis Water Purification System with Side Stream Technology

This household RO system features an innovative side stream RO membrane element design that doubles surface flow. It reduces inlet flow by 30%, enhancing membrane surface flushing and increasing the desalination rate.



Product Overview

Advanced Side Stream RO Technology

This household reverse osmosis water purification system features innovative Side Stream technology, significantly enhancing membrane performance and water recovery rates. By optimizing surface flow and implementing a patented auto-flush mechanism, the system effectively reduces water wastage by 40-50% compared to traditional units. Designed for efficiency and longevity, it offers a sustainable solution for high-quality drinking water with reduced maintenance requirements.

Performance Metrics

Water Recovery Rate

50 %

Recovery Rate

Membrane Utilization

95 %

Max Utilization

Technical Features

Maintenance Advantages

- 30% reduction in maintenance costs
- Extended filter life by 30%
- Reduced launching frequency
- Auto-flush prevents jamming and contamination

Core Technologies

Side Stream Technology, MLSB Membrane Patent, Auto Flush System

User Interface

Monitoring Features

LED Display • Filter Life Alarm • System Status Indicator