

# Water Purification System for CSSD

## Parameters

### System Components

- 1) Stainless steel multi-media filter: with automatic flushing control valve to reduce the turbidity of water and remove impurities such as iron and manganese.
- 2) Stainless steel activated carbon filter: with automatic flushing control valve to absorb residual chlorine and organic matter in water.
- 3) Stainless steel softener: with automatic flushing control valve to remove calcium, magnesium ions, reduce water hardness and so on.
- 4) Security filter: precision treatment of impurities in water, deep filtration, improve the water quality of RO membrane.
- 5) Ro system: double-stage RO treatment and zero dead cavity patent technology, effectively remove ions and bacteria.
- 6) Components are from well-known domestic or international companies such as Germany, the US, Japan, Denmark, etc., and can operate stably and efficiently.

### Standard Performance

- 1) PLC + touch screen control for fully automatic operation, start and stop, flushing, etc.
- 2) Multiple protection measures provides self-locking and alarming at water shortage, low pressure, high pressure and other conditions.
- 3) Automatic fault detection and various emergency solutions to ensure non-stop operation.
- 4) Multiple real-time online monitoring of water quality, pressure, and flow.
- 5) Automatic pre-conditioning tanks flushing and regeneration during night to avoid microbial growth.
- 6) Self-maintenance of the device and automatic flushing of the reverse osmosis membrane.
- 7) The fully intelligent balance system ensures stable and safe operation of the equipment.
- 8) Stainless steel for pipelines, chassis, with multi-directional universal casters.

### Optional Functions

- 1) Water supply can be smart constant pressure or variable frequency constant pressure, both are zero dead cavity process design.
- 2) Optional LCD touch screen for displaying of processing parameters, status, water quality, etc. Also, system control with English interfaces.
- 3) Remote control via PC, mobile phone, tablet.
- 4) Dual water supply to automatically switch from one source to another to ensure stable water supply.
- 5) Automatic flushing device for long time standby to avoid bio-burden.

### Parameters

- 1) Product Quality: in line with national CSSD operation standards.
- 2) Product Water Conductivity:  $\leq 15 \mu\text{S/cm}$
- 3) The Salt Rejection Rate:  $\geq 99\%$
- 4) Endotoxin Bacterial Removal Rate:  $\geq 99.9\%$
- 5) Water Supply Requirements: 0.15Mpa~0.5Mpa, 5°C~35°C
- 6) Power Supply Requirements: 380V, 3 phase
- 7) Installation Site Requirements: Perfect working floor drain and water proof flooring to keep smooth draining.

### Specification

Order Code	Capacity (L/H 25°C)	Treated Quality ( $\mu\text{S/cm}$ )	Voltage (V) Power (KW)	Operating Pressure (Mpa)	Dimensions (mm)
CJ-ROI-300	$\geq 300$	$\leq 10$	AC380V/3.0	0.8-1.35	1500×700×1700
CJ-ROI-600	$\geq 600$		AC380V/3.5	0.8-1.35	1500×700×1700
CJ-ROI-1000	$\geq 1000$		AC380V/3.8	0.8-1.35	1500×700×1700
CJ-ROI-1500	$\geq 1500$		AC380V/4.2	0.8-1.35	1750×750×1700
CJ-ROI-2000	$\geq 2000$		AC380V/5.2	0.8-1.35	1750×750×1700
CJ-ROI-3000	$\geq 3000$		AC380V/8.0	1.0-1.35	1700×780×1700
CJ-ROI-4000	$\geq 4000$		AC380V/9.0	1.0-1.35	1700×780×1700

## Single Stage RO



## Dual Stage RO

