



## Reverse osmosis pure water machine for food beverage

### Brief introduction

RO-S series reverse osmosis water purifier for food and beverage is suitable for water preparation of beer, wine and various soft drinks. The equipment removes particles, impurities, colloids and



residual fluorine from tap water (well water) through a reasonable and efficient pretreatment system, and then uses the high-tech reverse osmosis membrane separation technology to remove bacteria, viruses and other microorganisms in water and most of the heavy metal plasma harmful to human body. It can be directly used in the production of alcohol blending. Using this pure water can not only retain the unique mellow aroma of accompanying wine and wine, but also reduce the process flow, save energy consumption and reduce the cost. The system is equipped with manual and automatic operation, which can realize the automatic control of raw water pump, high-pressure pump and pure water pump, automatic start-up and shutdown, automatic flushing, anhydrous shutdown, high and low pressure protection, thermal protection and liquid level control.

### Operating parameters:

Water production: 0.5m<sup>3</sup>/h ~ 200m<sup>3</sup> / H-Set

Recovery: 75%

Operating pressure: 1 MPa ~ 1.5MPa

Bacterial removal rate: > 99%

Heat source removal rate: > 99%

Effluent conductivity: < 10 US

### Function:

American ultra-low pressure coiled composite reverse osmosis membrane with high desalination rate and low operating pressure has excellent water quality, low operating cost and long service life.

Imported high-pressure pump with high efficiency, low noise and excellent quality can reduce energy consumption and operation noise.

The front and rear pressure gauges of the fine filter and the front and rear pressure gauges of the reverse osmosis membrane can continuously monitor the pressure difference between the reverse osmosis membrane and the fine filter, indicating when it needs to be cleaned or replaced.

The high-voltage switch protects the reverse osmosis membrane from damage due to high pressure.

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The low-pressure switch protects the high-pressure pump from damage due to the stop of water supply.

The quick flushing valve washes the membrane surface regularly to reduce the membrane pollution speed and prolong the service life of the membrane.

#### Equipment model and specification:

Model	Water yield (m <sup>3</sup> /H)	Motor power (kw)	Inlet size (inch)	Size (cm)	Weight (kg)
RO-S-0.5	0.5	1.50	3/4"	50x66x155	140
RO-S-1	1	2.20	1"	160x66x155	250
RO-S-2	2	4.00	1"	250x70x155	360
RO-S-3	3	4.00	1.5"	250x70x155	560
RO-S-5	5	8.50	2"	250x90x155	600
RO-S-8	8	10.00	2"	360x80x155	750
RO-S-10	10	11.00	2"	460x80x155	800
RO-S-15	15	16.00	2.5"	460x100x155	840
RO-S-20	20	22.00	2.5"	460x100x155	1540
RO-S-30	30	37.00	3"	660x100x160	2210
RO-S-40	40	45.00	4"	660x100x160	2370
RO-S-50	50	55.00	5"	660x162x200	3500
RO-S-60	60	75.00	6"	660x162x200	950
RO-S-80	80	90.00	8"	660x180x200	4500
RO-S-100	100	110.00	10"	660x220x200	5700