

s100L/H Reverse Osmosis Pure Water System (Single Grade)



1. Design theory:

- 1). Input water quality: city tap water
- 2). Input water conductance: <150us/cm
- 3). Water production technical index:
 - a. Output water flux: 100L/H Water temperature: 25°C
 - b. Output water quality: Accord with National bottle drinking water standard GB17323-1998. (Including conductance <10us/cm)

1.2. Technical explanation:

- 1) This system adopts the most advanced Reverse Osmosis pure water filter technical. The TDS of output water generally less than 10us/cm, which precede the national standard GB17323-1998. The water made by this system is asepsis, non-granule and pure.
- 2) The RO membranes of this system adopt ULP11-4021 of American HYDRANAUTICS Int., Its desalting rate can highly reach 98% and callback rate

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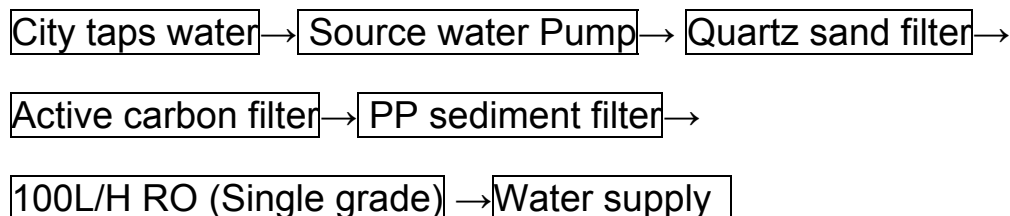
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can be reach 50-75%, which are its special technical manner. Many pure water manufacturers had proved this whole set system that the remove rate of germina in water, poisonous heavy metal, radionuclide, organic micro pollution can highly reach 99.99%, 95%, 99% and 95%. After removing the poisonous and harmful substance in water basically, many toxicological indexes, such as organics, benzene, tetrachloride, pesticide, hydroxybenzene and plumbum, hydrargyrum, chrome, cadmium, uranium etc. radionuclide all are below the inspected limitation.

2. Technical process:



3. Technical collocation explanation:

No.	Name	Original Material	Model	Qty	Remark
1	Source water Pump	LINGXIAO	BLC70/0.37	1	Voltage: 220V; Power: 0.37KW. Water flux: 2M ³ /h; Working pressure: 0.2Mpa
	Quartz sand filter	Glass Steel	Φ0818	1	Working pressure: 0.3Mpa. Water flux: 8-9M ³ /h; Velocity of flow: 18-20m/h; filter material: quartz sand: 30kg
	Active carbon filter	Glass Steel	Φ0818	1	Working pressure: 0.3Mpa; Water flux: 8-9M ³ /h; Velocity of flow: 18-20m/h; Filter material: active carbon 15kg
	PP sediment membrane filter	PVC-U	Φ90×500	1	5u×500 filter 1 piece. Water flux: 2M ³ /h; Working pressure: 0.3Mpa



Shenzhen Angel Drinking Water Equipment Co., Ltd.

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2	RO equipment				This system has auto and manual backwashing, protected without water, high pressure protection etc function. Rated water flux: 100L/H; rated pressure: 1.1-1.5Mpa. Salt distraction rate: 98-99%; callback rate: 50-75%.
	Membrane casing	SUS304	4021	1	
	Membrane	American HYDRANAUTICS	4021	1	
	Multi-phase pump	Made in China		1	Voltage: 220V; power: 0.37W. Working pressure: 1.0-1.3Mpa; water flux: 1M ³ /h
	Conductance indicator	Made in China		1	
	Electromagnetism valve	Made in China	DF15	1	
	Stainless steel frame	SUS304		1	
3	Electronic components, pipe connection; packing box.				

4. Packing Dimension: 750 × 750 × 1570mm.

5. Net weight: 120kg

Gross weight: 131kg

6. Main function

RO recycle rate: 50-75%; RO system salt distraction rate: 98-99%

RO system water flux: 100L/H; RO system working pressure: 220V

RO system power: 1.47KW

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