



Address: No.78, XingYe Road, Chaolian Town, Jiangmen City, Guangdong, China. (Jiangmen Office)

Address: RM 1902 EASEY COMM BLDG 253-261 HENNESSY ROAD WANCHAI, HK (Hongkong Office)

Tel: +86 13725957662(Whatsapp) +86-750 3094316 Fax: +86 750 3723909

## 100Ton/H Reverse Osmosis Water Treatment System



### 1. Design basis and treated water standard:

#### 1. Design Basis

1.1 Produced water's application: Bottle drinking water

1.2 The capacity of produced water: 100,000L /H

1.3 System Configuration: One Stage Reverse Osmosis Main System(without membranes)

1.4 Designed recovery: 50-65%.

1.5 Rejection rate:  $\geq 97\%$

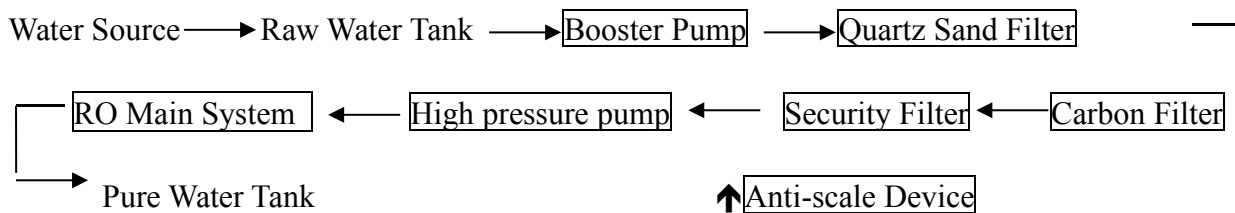
1.6 Voltage: 3 phases, 380V, 50Hz; Power: 125KW



## 2. System requirements:

- 2.1 Inlet pipelines: inlet pipe connected with the raw water tank entrance.
- 2.2 Cable: According to the calculated capacity of electric power, the user should send it on the control cabinet.
- 2.3 Outlet water pipelines: From pure water tank to the pure water using point.
- 2.4 Concentrated Water Treatment: Discharge to the wastewater pool (user considered).
- 2.5 Water temperature: 5-35°C

## 3. Process(yellow part):



## 4. Main Components List:

Basic Configuration	Anti Scale Device	Remark
RO Part	Anti Scale Device	
	High Pressure pump	380V/50Hz; 45kw
	RO membrane	Prepared by buyer
	Membrane vessel	
Piping and controlling valve	Pipelines	
	Solenoid Ball Valve	SUS304
Automatic control box	high pressure electric control cabinet 1set with import electric elements, Mitsubishi PLC System + Mitsubishi transducer	
Other fittings of machine	Oil Seal Pressure gage	SS304
	Conductivity of the table	
	Main frame	
	Pipeline flow meter	
	High pressure transducer	
Cleaning part	Cleaning Pump	380V/50HZ, 7.5KW
	Cleaning Tank	

## 5. Pictures (Only for reference):

RO carbon  
filter



RO Membrane shell



RO System main  
machine

