

1T dual stage RO configuration

一、 Design Basics

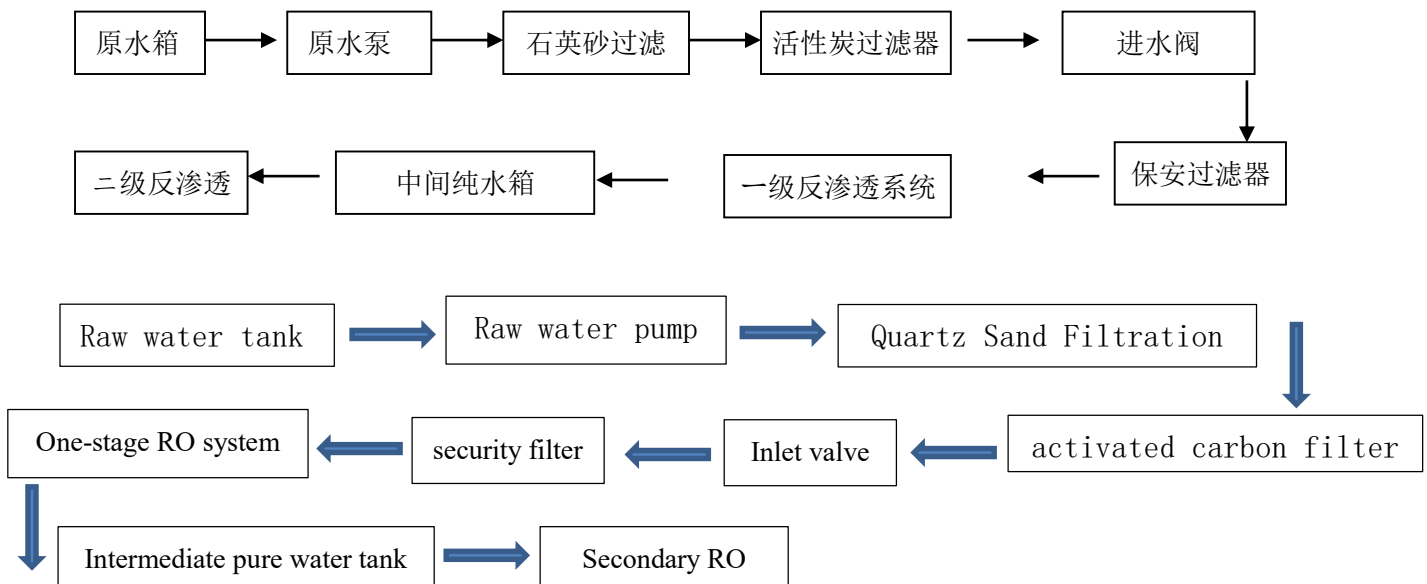
1. The processes and equipment involved in this product are designed to meet the following requirements:

1.1 Raw water quality: The specific water quality is unknown

1.2 Use of produced water: Process water

二、 Process Configuration

2. 1 Process Configuration



2. 2 The system's external requirements:

1.1、 Inlet flow: water for operation $\geq 4.0\text{m}^3/\text{h}$;

1.2、 Recoil water: About $4.0\text{ m}^3/\text{h}$;

1.3、 Power Supply: Power Conditions 380V/4ph/50Hz;

1.4、 Total power capacity approx.: 10Kw;

五、 Equipment Configuration Table

NO.	Device Name	Place of origin	Quantity	Remark
1	Raw water pump Ling Xiao	LINGXIAO	1 set	
2	A. Flow: $4.0\text{m}^3/\text{h}$ K=1. kw	Our company		
3	B. Including: inlet and outlet valves, pipes	Our company	1batch	

4	mechanical filter $\phi 400$	Our company	1 set	
5	A.Tank material: stainless steel	Our company	1	
6	B. automatic valve	RUNXIN	1 set	
7	C、Water purification quartz sand	Domestic grade	200kg	
8	Activated Carbon Filter $\phi 400$	Our company	1 set	
9	A.Tank material: stainless steel	Our company	1	
10	B. automatic valve	RUNXIN	1 set	
11	C.activated carbon	Our company	100 kg	
12	security filter	Our company	1 set	
13	A. Material: Stainless steel	Our company	1 set	
14	B. Filter model: 20" $\times 5 \mu m$ 5 cores	Our company	5 stick	
15	First stage high pressure pump CDL4-14	CNP	1 set	
16	Flow: 4m ³ /h,			
17	Primary RO device Capacity: 1500L/h, Max working pressure: 1.5MPa, Salt rejection rate: 97~98%, System Water Utilization Rate: $\geq 50\%$	Our company	1 set	
18	Two stage high pressure pump CDL2-15 Flow: 2m ³ /h,	CNP	1 set	
19	Secondary RO device capacity: 1000L/h Max working pressure: 1.5MPa, Salt rejection rate: 98~99%, System Water Utilization Rate: $\geq 70\%$	Our company		
20	A.Membrane shell 4040 2-core,	Our company	5 stick	
21	B. Membrane element LCLE-4040	SAESHAN	10 stick	
22	C. stainless steel rack	Our company	1 set	

23	D. Inlet and outlet water regulating valve DN25 DN15	Our company	1 batch	
24	E. flushing solenoid valve DN25 DN15	Our company	2	
25	F. Instruments, Meters, Panel Flow Meters	Our company	1 batch	
26	Electric Control System	CHNT	1 set	
27	General control cabinet: PC program controller control, air switch, AC contactor, thermal relay, indicator light, knob switch, pressure switch, water level switch, electrical miscellaneous items, etc.			