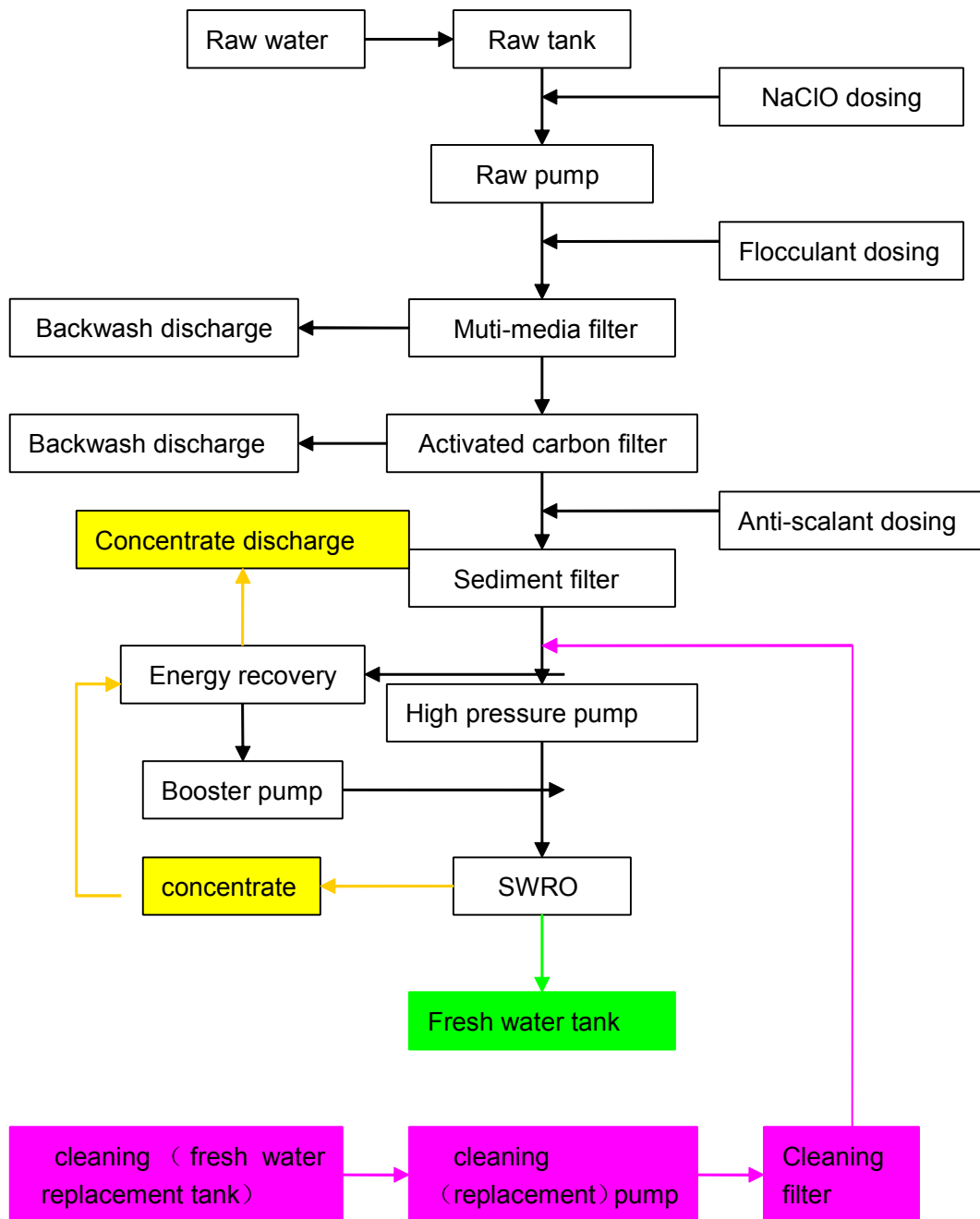


100m³/d seawater (SWRO)

1. flow diagram



2. Component list.

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100T/D seawater desalination system component list

No.	Item.	Spec.	Qty.	Unit.	Material.	Brand.	Remark.
	pretreatment						
1	raw tank	3T	1	pc	PE	CHINA	
	liquid level switch	KEY-5	1	pc			
2	NaClO dosing system		1	pc			chemical prepared by user
	metering pump	X015	1	pc	PVC	PULSAFEEDER	
	chemical dosing tank	80L	1	pc	PE	HUASHUN	
3	flocculate dosing system		1	pc			chemical prepared by user
	metering pump	X015	1	pc	PVC	PULSAFEEDER	
	chemical dosing tank	80L	1	pc	PE	HUASHUN	
	flocculate		1	barrel			
4	raw pump	CRN15-3	1	pc	316SS	GRUNDFOS	volume 16t/h, head 30~40m
5	multi media filter	Ø1200*2400	1	pc	carbon steel, corrosion resistant		filtration speed 14.15M/Hr
	manual valves		1	pc	UPVC	G+F	SCH80
	top/bottom distributor		1	set		HENGXIN	
	anthracite		430	kg			height 400mm
	quartz sand		1670	kg			height 800mm
6	activated carbon filter	Ø1200*2400	1	pc	carbon steel, corrosion resistant	AWA	filtration speed 14.15M/Hr
	control valve		1	pc	UPVC	G+F	SCH80
	top/bottom distributor		1	set		HENGXIN	
	activated carbon		407	kg			hieght 800mm
	quartz sand		836	kg			height 400mm
7	pipeline		1	bulk	UPVC	G+F	SCH80

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reverse osmosis							
1	anti-scalant dosing system		1	set			
	metering pump	X030	1	pc	PVC	PULSAFEEDER	
	chemical tank	KC-120L	1	pc	PE	HUASHUN	
	anti-scalant	PROCH100	1	barrel		AWWA	
2	sediment filter	HPCF-9DC4	1	pc	UPVC	HENGXIN	
3	filter cartridge	2.75*40**5um	9	pc	PP	MINGQING	
4	high pressure pump	APP7.2	1	pc	duplex steel	danfoss	
5	motor	15kw	1	pc		CHINA	
6	membrane vessel	80A160-1200PSI	2	pc	FRP	ROPV	
7	membrane	SW30HRLE-400	8	pc		DOW	
8	energy recovery device		1	set			
	PX module	PX-70S	1	pc	CERAMIC	ERI	
	booster pump	HP8503	1	pc		ERI	
9	feed water motorized valve	DN65	1	pc	UPVC	FLOWX	
10	pump exit regulate valve	DN50	1	pc	316SS		
11	one way valve	DN50	1	pc	316SS		
13	pressure relief valve	62bar	1	pc			62bar
14	low pressure switch	JC-206	1	pc		3S	
15	pressure gauge	0-100PSI	2	pc	316SS	ZHENXING	before filtration/after filtration
16	pressure gauge	0-1500PSI	2	pc	316SS	ZHENXING	permeate/concentrate
17	flow meter	WLG-8350	2	pc		CREATE	sensor included. permeate/concentrate
18	feed water conductivity meter	DCK-8550	1	pc		CREATE	include sensor
19	product conductivity meter	DCK-8550	1	pc		CREATE	include sensor

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20	sampling valve	DN15	3	pc	UPVC		
21	fresh water flushing system		1	set		use the same unit with cleaning system	
	direct action solenoid valve	DN32	1	pc	BRASS		
22	pipeline		1	bulk		high pressure hose, low pressure UPVC	
23	frame		1	set	carbon steel coated	AAA	
	cleaning system						
1	cleaning filter	YS10-40"	1	pc	304SS	TG	
	filter cartridge	2.75*40"*5um	10	pc	PP	MINGQING	
2	cleaning tank	MC-500L	1	pc	PE	HUASHUN	
3	liquid level switch	KEY-5	1	pc		ITALY	
4	cleaning pump	CR15-3	1	pc	304SS	GRUNDOFS	16m3/h×35m×3KW
5	pressure gauge	0-150PSI	1	pc		YUYAO	
	electric control system						
1	PLC		1	pc		MITSUBISHI	
2	frequency converter	15KW	1	pc		ABB	
3	electric element		1	bulk		CHINA	
4	electric control cabinet		1	pc	carbon steel coated		
						AAA	AAA