

# Clean Water

## Pipe Inspection Tecnology

Clean Water Tech Pte Ltd, 41, Sungei Kadut Loop, S 729509, Singapore  
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### 200m3/d (5000ppm) RO system component list

	item	spec.	qty.	unit	material	brand	remark
	pretreatment						
1	raw tank		1	set			prepare by user
	liquid level switch	KEY-5	2	pc	ABS	ITALY	
2	raw pump	CR15-3	2	set	304SS	GRUNDFOS	15t×35m×3KW 1for use, one standby
	check valve	DN65	2	pc	304SS		
3	multi-media filter		1	set			including cap
	filter	Ø1200×2400mm	1	set	FRP	CHIWATEC	filtration speed 13.6m/h
	control valve	3150	1	pc	ABS	FLECK	automatic
	pressure gauge	0-150PSI	2	pc	304SS	YUYAO	
	quartz sand		1675	kg			
	anthracite		430	kg			
4	anti-scalant dosing system		1	set			
	metering pump	X007	1	set	PVC	PULSAFEEDER	
	chemical tank	KC-120L	1	set	PE	HUASHUN	
	anti-scalant	PROCH-A100	1	barrel			
	RO						
1	sediment filter	YS10-40"	1	set	304SS	TG	
2	sediment filter cartridge	2.75*40"*5um	10	pc	PP	HEYE	
3	pressure gauge	0-150PSI	2	pc	304SS	YUYAO	
4	high pressure pump	CRN15-17	1	set	316SS	GRUNDFOS	15T×203M×15KW
5	pressure vessel	80A160-450PSI	3	pc	FRP	PY	
6	RO membrane	BW30-400	12	pc	T.F.C.	DOW	

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7	low pressure switch	JC-206	1	set		3S	
8	high pressure switch	JC-230	1	set		3S	
9	feed water motorized valve	DN65	1	set	UPVC	FLX	
10	regulate valve after pump	DN50	1	set	316SS		
11	check valve	DN50	1	set	316SS		
12	flushing solenoid valve	DN32	1	set	316SS		
13	concentrate regulate valve	DN32	1	set	316SS		
14	sampling valve		3	pc	UPVC		
15	pressure gauge	0-400PSI	3	pc	304SS	YUYAO	system/between stage/concentrate
16	permeate flow meter	WLG-8350	1	pc		CREATEEC	including sensor,installation base
17	concentrate flow meter	WLG-8350	1	pc		CREATEEC	including sensor,installation base
18	conductivity meter	DCK-8550	1	pc		CREATEEC	
20	frame		1	set	polished stainless steel		
	control cabinet		1	set			
	PLC	PLC	1	set		MITSUBISHI	
	electric component		1	bulk			malfunction alarm/failure analysis
	label		1	set	UPVC		
	pipelines		1	bulk	low pressureUPVC, high pressure 316SSpolished pipe		
21	fresh water flushing system		1	set			
	to replacement tank solenoid valve	DN40	1	set	BRASS	NASS	
	tank	500L	1	set	PE	HUASHUN	also serve as cleaning system
	liquid level switch		2	pc	ABS		
	cleaning system		1	set			
1	cleaning tank	500L	1	set	PE	HUASHUN	

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	liquid level switch		2	pc	ABS		
2	cleaning pump	CR15-3	1	set	304SS	GRUNDFOS	16T×33M×3KW
3	cleaning filter	YS10-40"	1	set	304SS	TG	
4	filter cartridge	2.75*40"*5um	10	pc	PP	MINGQING	
5	pressure gauge	0-150PSI	1	pc	304SS	YUYAO	
post-treatment							
1	permeate tank	15T	1	set	304SS	JINBANG	
	liquid level switch	KEY-5	2	pc	ABS	ITALY	
2	UV sterilizer	HHJ-UV-44	1	set			
3	permeate delivery pump	CR10-4	2	set	304SS	GRUNDFOS	10T×32M×1.5KW 1for use,1standby
System design based on TDS of 5000 ppm							



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