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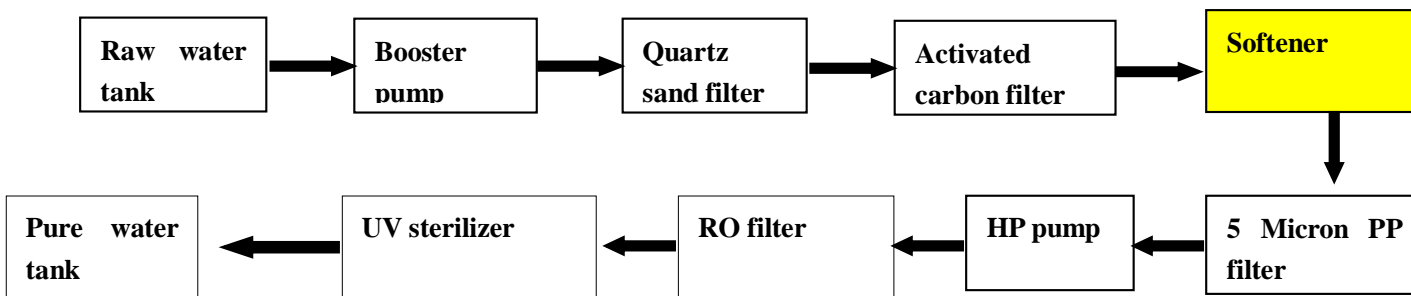
1000L/H Reverse Osmosis Water Treatment System



1.Design base:

- 1.1) Raw water: **Well water(TDS=1000PPM).**
- 1.2) Produced water's application: **Drinking.**
- 1.3) Capacity: **1000L/H.**
- 1.4) Designed recovery: 50-65%.
- 1.5) Rejection rate: **≥ 97%.**
- 1.6) Voltage: **3 phases, 380V, 50Hz; Power: 3.5KW.**

2.Filtration process:



3.Component list:

No.	Equipment	Item	Specification	Qty	Unit (set)	Material	Remark
3.1	Booster pump	pump	0.75KW	1		SUS304	CNP
3.2	Mechanical filter	Tank (Manual valve)	Φ350×1600	1		SUS304	Quartz sand: 150KG.

3.3	Activated carbon filter	Tank (Manual valve)	Φ350×1600	1		SUS304	Coconut shell carbon:75KG.
3.4	Security filter	PP filter	5filter,10inches	5		PP	
		Specification	Cartridge: SS304				
3.5	High pressure pump	High pressure pump	2.2KW	1		SUS304	CNP
3.6	RO filter	RO membrane	BW30-4040	4		PA	DOW
		Vessel	4"-1M	4		SUS304	
		Flux meter		2		Organic glass	
		Pressure meter	0.0~2.5PMa	5		SS	
		Pressure controlled meter		1			
		Solenoid		1			
		RO housing		1			
3.7	Electrical controlling system	Conductivity meter		2			Water quality sensor
		Electrical box	PLC	1		SS304	
3.8	Pipelines	Low pressure pipelines		1	Lot	U-PVC	

4. Picture for Reverse osmosis water treatment system:

4.1) RO system: SUS304 Sand filter & carbon filter;



4.2) DOW BW30-4040 membrane:



4.3)Frame:SUS304(8Nickle):



4.4) Schneider AC contactor:



4.5)OMRON replay:



4.6)Prefilter:Sand filter+carbon filter+Softner:



4.7)RO filter(host):

