

Provide clean and sanitary water to *those in need*

Build your water business

Start from



ZZGC TECHNOLOGY LTD



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Be responsible of environmental protection

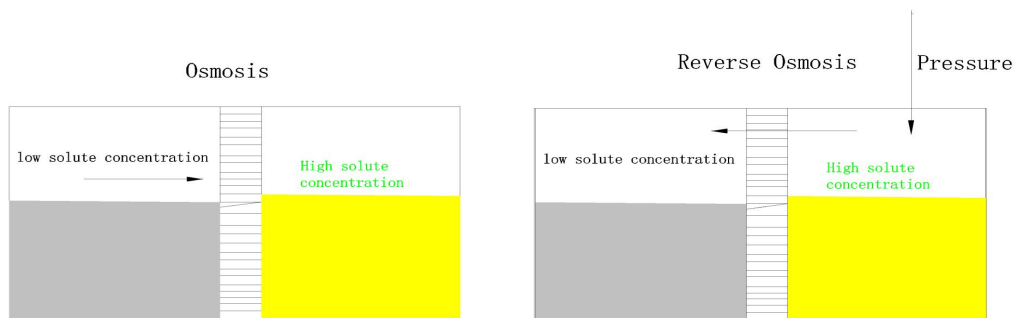
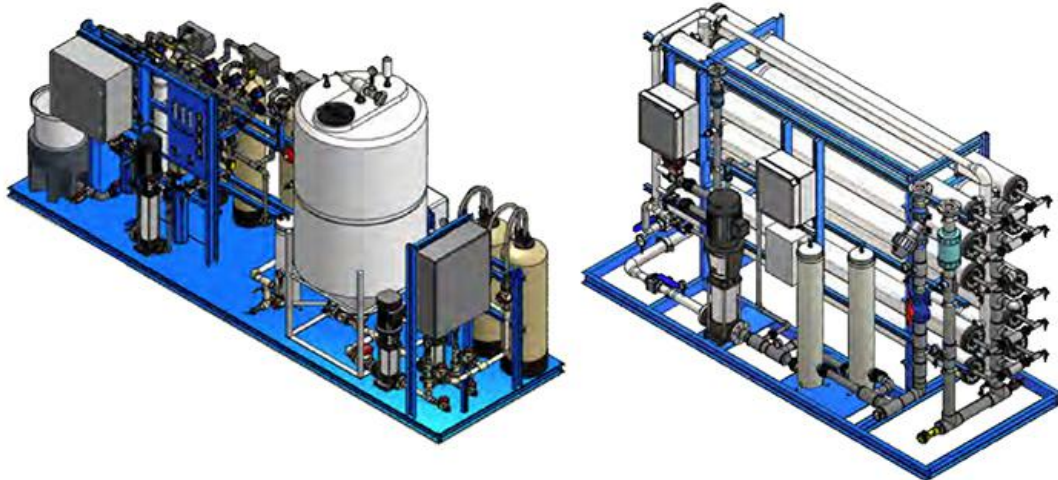
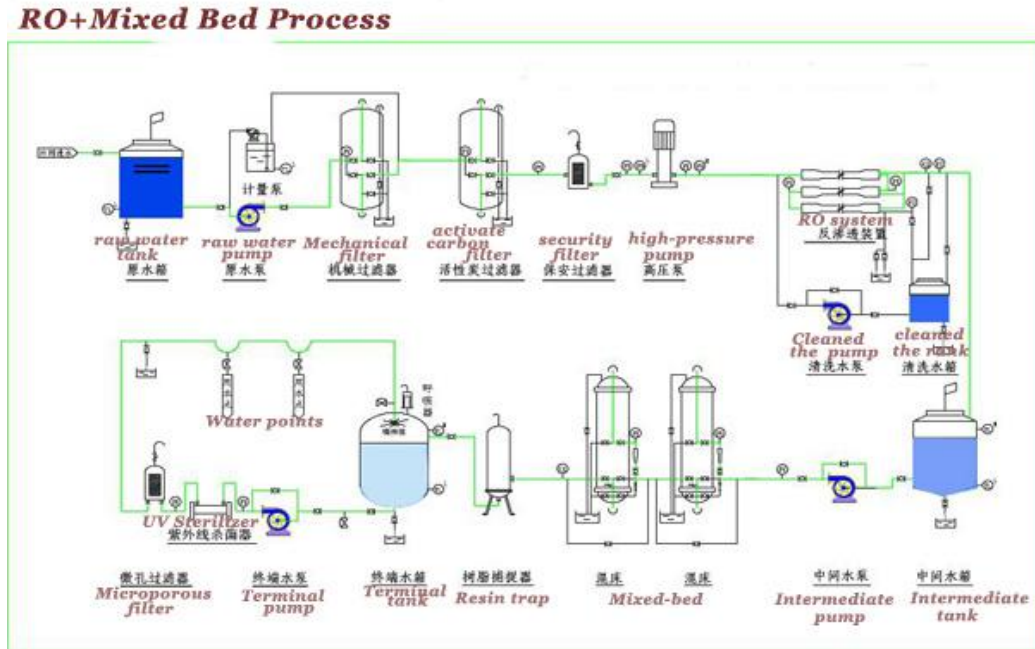
ZZGC Technology Co., Ltd is a professional manufacturer of all sorts of water treatment equipment as well as an engineering company that integrates technology research, development, design, production, installation and personal training in one. Gathering engineering technicians with abundant experience, we will do our best to serve food, dairy, beverage, biology, chemical and surface treatment industries. We supply bottle water treatment production lines and all other industrial equipment of de-ion water



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Reverse Osmosis Water Treatment

Flow chart



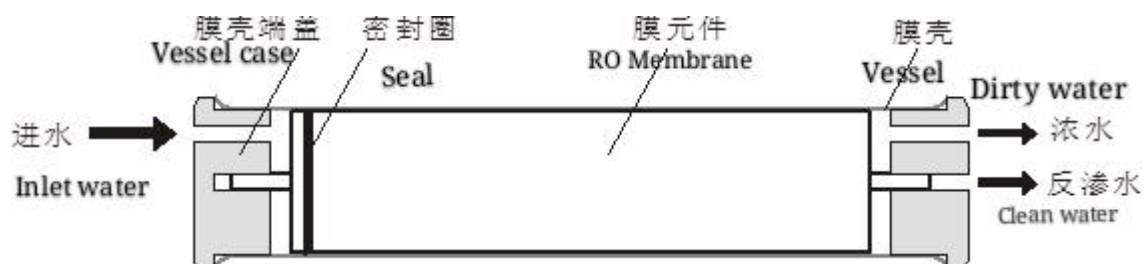
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Reverse Osmosis water system

Reverse osmosis (RO) is a water purification technology that uses a semipermeable membrane to remove ions, molecules, and larger particles from drinking water.

RO membrane (pores size 1NM) should not allow large molecules or ions through the pores (holes), but should allow smaller components of the solution (such as solvent molecules) to pass freely.

(Reverse osmosis can remove many types of molecules and ions from solutions, including bacteria, and is used in both industrial processes and the production of potable water)



RO System is combine with High pressure pump, RO membrane and control box.

HP pump provide enough pressure to let H₂O going through RO membrane and reject other molecule to achieve purification purpose.

RO membrane can remove 99% Dissolved solid 99% organic colloid and almost 100% bacteria.

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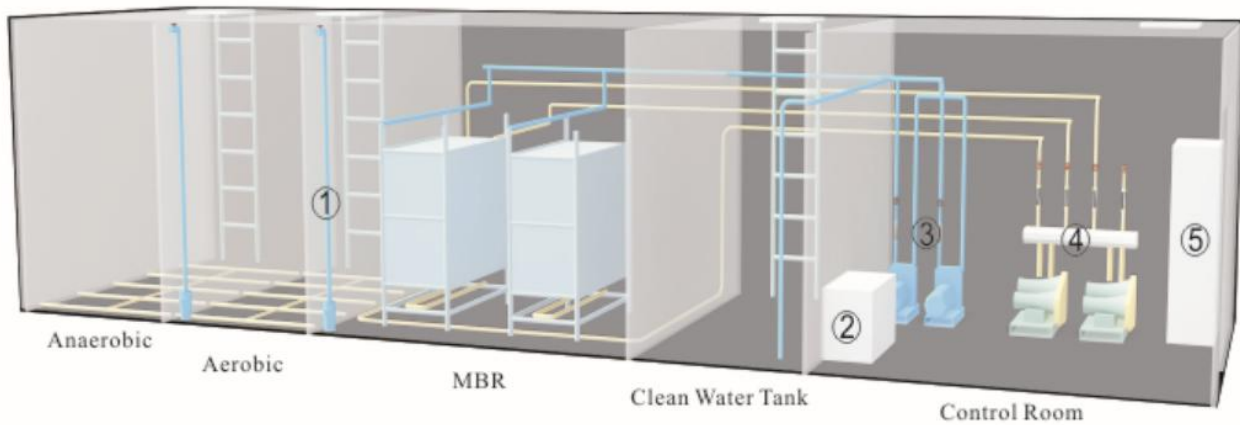
Sample list

Name	Description	Model	Quantity
Raw water pump (Booster pump)	CNP	CHL8-30	1 SET
Quartz sand filter	Fiber glass reinforced plastics	760*1800	1 SET
Active carbon filter	Fiber glass reinforced plastics	760*1800	1 SET
Precision filter	Stainless steel	φ400*1000*85	1SET
Housing membrane	Fiber glass reinforced plastics	4040	8 PCS
Membrane	ULP	4040	8PCS
High pressure pump	CNP	CDL4-220	1 SET
Flow meter	Transparency organic glass	3T	2 PCS
Lower pressure protector	/	0-50psi	2 PCS
Pressure meter	oil-immersed	CM-3320	1PIC
Stainless steel frame	SUS		1 SET
Pipe	Made in china	PVC	1SET

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Packaged Waste Water treatment Plants

- ❖ Reduce on-site construction cost with fast and simple installation
- ❖ Ideal flow between 1ton to 200tons waste water capacity per day
- ❖ High quality effluent
- ❖ Easy operation and maintenance require minimal operator supervision
- ❖ Meet or exceeds your local regulatory requirement



1. Submersible Pump 2. Cleaning room 3. Suction Pump 4. Air blower 5. Control system

Our Engineer team will assist you with

- Waste water Treatment Process Design
- Equipment manufacturing and supply
- Installation, commissioning
- Test and Training

We provides a truly integrated solution to you, with dedicated technical support every step of the way.

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Membrane Bio-reactor (MBR) System

We will according to your project requirement, budget, treat process offer a suitable designation to you.

Products Feature

- ❖ Lower energy costs
- ❖ High quality effluent
- ❖ Lower footprint/space
- ❖ Advanced MBR technology
- ❖ High flow rate, easy cleaning, easy operation

MBR Bio-reactor Application

- ❖ Urban sewage system
- ❖ In-building Waste water recycling system
- ❖ Industrial Waste water treatment

Engineering & Practical Design Consideration

1. Always consider peak flows

$N = Q_{max} / (F.A)$; (N= Membrane quantity requirement;
 Q_{max} = Peak flows;

F.A =Design flow rate

E.g : MBR-1010 ---Design

125----150Liter/Hr

MBR-1520 ---Design 250

---300Liter/Hr

2. Operation cost----Power, Maintenance

Chemical cost

3. Life time of membrane: average 3-5 years

4. Air quantity for membrane aeration

E.g:MBR-1010---Design 2.5 ----3 m^3/Hr

MBR-1520---Design 3 ----5 m^3/Hr

