

RO Plant

Cost for 5000 LTH : 30,35,500/- INR



Specifications

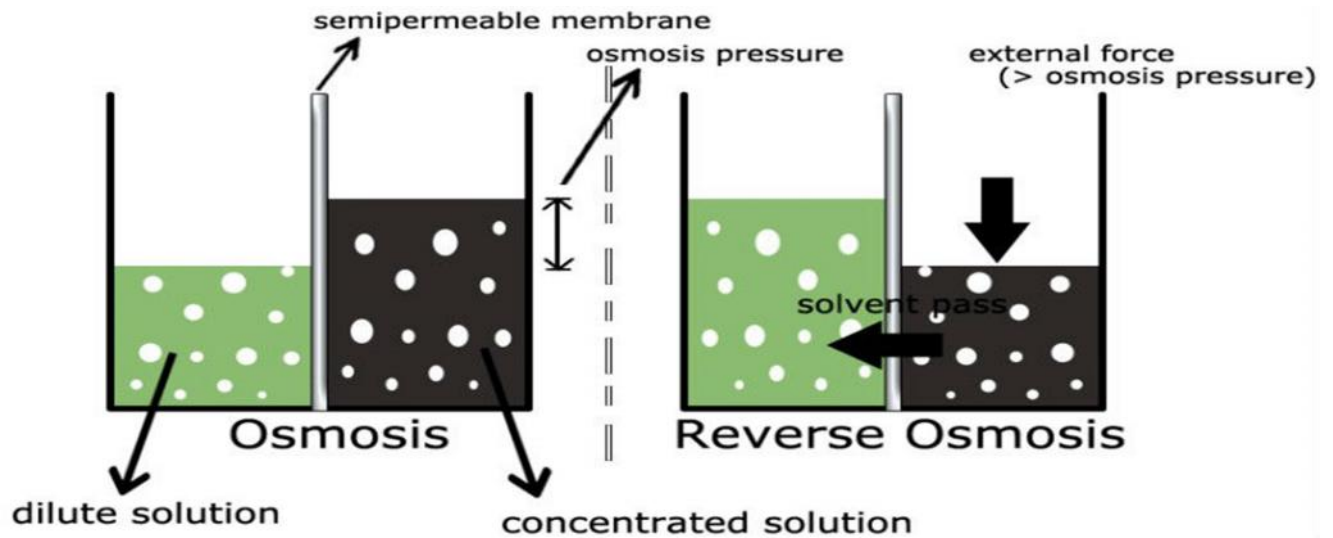
1. Longterm production experience
2. Stable operation
3. Imported electrical part
4. Super stainless steel
5. Wide capacity range

1) About reverse osmosis

1: Principle of the reverse osmosis water treatment

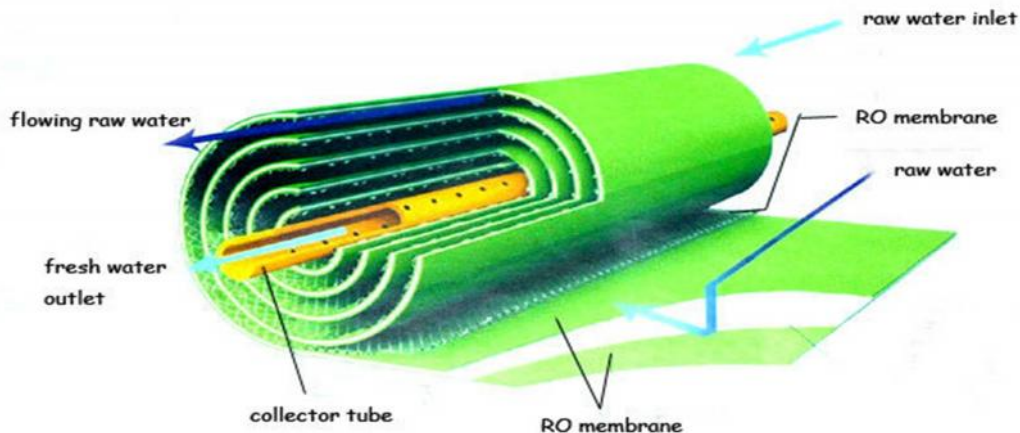
We can place two kinds of solution (one is dilute and the other is concentrated, same volume) at two sides

of a can, separated by a semi-permeable membrane. The solvent of dilute solution will flow into concentrated solution naturally and form a height between two kinds of solution keeping balanced, which called pressure difference.



If we set a power bigger than pressure difference upon to concentrated solution, the solvent in it will flow to the dilute solution. This process called reverse osmosis, means the opposite flowing direction against natural flowing.

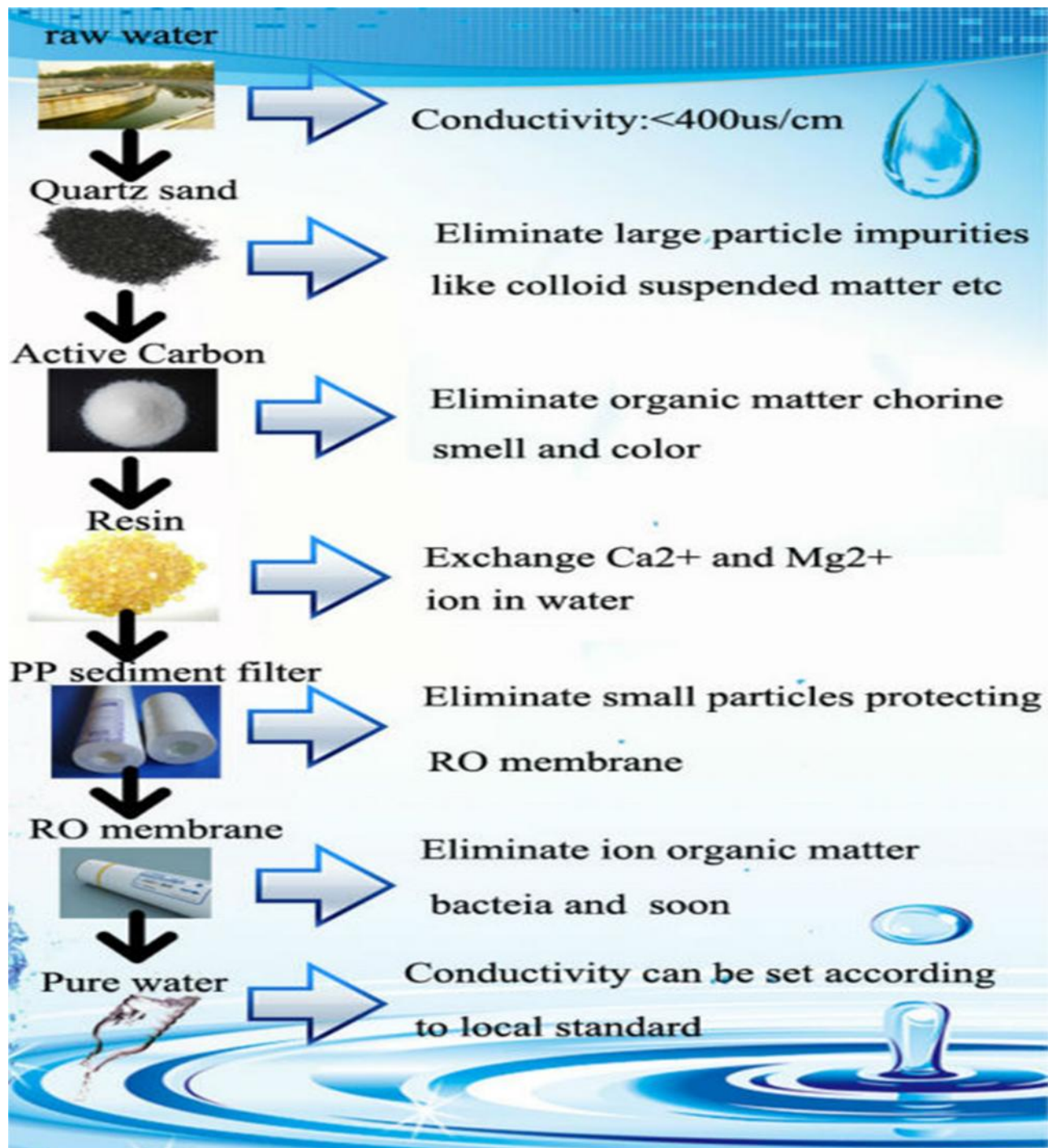
RO membrane working principle



2: Application:

RO Reverse osmosis technology is widely used in electronic, electrical, pharmaceutical, chemical, food, beverage and water industries. Such as for drinking water, irrigating crops and plants, for food/beverage production line, etc.

2) Whole machine working procedure



3) Specifications

1: Data of machine

Pre-filter part	
1) Quartz sand filter	
1: Quartz sand	1500Kg
2: Housing tank	
	Material: Fiber glass 4872FRP
	1item
2) Active carbon filter	
1: Active carbon	500Kg
2: Housing tank	
	Material: Fiber glass 4872FRP
	1item
3) PP sediment membranes filter	
1: Number of tube	1pcs
2: Size of filter	400×1000(mm)
Power source	
1) Whole machine	
1: General power	12.5KW
2: Electrical power	AC380V 50A 50Hz
2) Raw water booster pump	
1: Function	Power of pre-filter system
	Shanghai brand CHL16-30 / 3KW
2: Type	1 item
3) Multi-phases pump	
1: Function	Power of RO system
	Shanghai brand
2: Type	CDL8-16 / 5.5 KW 1 item
	CDL4-22 / 4.0 KW 1 item
4) Manual controller board	
Automatic protection from electrical problem	
1: PLC controller	Controlling washing of RO membrane
	Mitsubishi brand
RO system	
1) Brand	Hong Kong Dow
2) Membrane	8040
3) Number	9pcs