SPEC SHEET
Reverse Osmosis Water Treatment Machine

INTRODUCTION

The Reverse Osmosis Water Treatment Machine is a high tech solution recently developed in China. Reverse osmosis is used to separate water from solution after it permeates the specially-made semi-transparent membrane, through exerting a pressure that is higher than the osmosis pressure on the solution. As this process is reverse to the natural permeation direction, it is called reverse osmosis. According to different osmosis pressures of various materials, the process of reverse osmosis with a pressure higher than the osmosis pressure can be used to reach the purposes of separation, extraction, purification and concentration of a certain solution. It does not need heating and there is no phase changing process; therefore, it saves more energy than the traditional process.

KEYWORDS   Osmosis | Water Treatment | Extraction | Separation | Purification

ATTRIBUTES

- Pharmaceutical industry water: large infusion, injection, tablets, biochemical products, equipment cleaning, etc.Chemical industry process water: chemical circulating water, chemical products manufacturing, etc.
- Food industry water: purified drinking water, beverage, beer, alcohol, health products, etc.
- Electronic industry water: integrated circuit, silicon wafer, display tube and other electronic components.
- Electric industry boiler feeding water: thermal power generation boiler, low pressure boiler power system in factories and mines.
- Seawater and saline water desalination: islands, ships, marine drilling platforms, saline water areas.
- Purified drinking water: house properties, communities, enterprises, etc.
- Other process water: automobile, home appliance painting, coated glass, cosmetics, fine chemicals, etc.

TECHNICAL PARAMETERS

Model	RO-500	RO-2000	RO-5000	RO-20000
Capacity	0.5T/H	2.0T/H	5.0T/H	20.0T/H
Power	0.75kw	4.0kw	7.5kw	15kw
Recovery	55-75%	55-75%	55-75%	55-75%
One stage finished water conductivity	≤10(μ s/cm)	≤10(μ s/cm)	≤10(μ s/cm)	≤10(μ s/cm)
Two stage finished water conductivity	2-3(μ s/cm)	2-3(μ s/cm)	2-3(μ s/cm)	2-3(μ s/cm)
EDI system finished water conductivity	≤0.5(μ s/cm)	≤0.5(μ s/cm)	≤0.5(μ s/cm)	≤0.5(μ s/cm)
Rawwater conductivity	≤300(μ s/cm)	≤300(μ s/cm)	≤300(μ s/cm)	≤300(μ s/cm)