

drinking water from seawater



Water in the World

The consumption of existing water resources is bringing out the subject of obtaining drinking water from alternative resources. Limited amount of water resources is making the search of alternative ways for drinking water mandatory.

The greatest water resource is the oceans. The decrease in costs due to developments in the technologies and the raise in demand for drinking water has made reverse osmosis very popular.

Nowadays, desalination of seawater is a very commonly used technique in the regions which are located on the seashores.

What is Reverse Osmosis?

Osmosis: Osmosis is the passage of water from a region of high water concentration through a semi-permeable membrane to a region of low water concentration.

Reverse Osmosis: The opposite of osmosis. The passage of water from a region of low water concentration through a semi-permeable membrane to a region of high water concentration which is only possible with an applied pressure.

Membrane: Membrane is a selective barrier placed between two liquids of different concentrations. It allows the passage of a portion of liquid content and blocks other contents which causes a separation in water.

AquaSTAR Solution

AquaSTAR has been providing drinking water solutions for many years.

Aqua 400 and 800 series reverse osmosis systems are used for desalination of seawater and producing very drinking water with very low conductivity levels. After remineralization and pH adjustments, water is ready to be used anywhere needed.

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Standart Equipments Used In AquaSTAR RO Systems

- TFC spiral wounded reverse osmosis membranes
- FRP membrane vessels
- Stainless steel chassis
- Duplex stainless (SAF2205) high pressure pump
- Automatic flushing system with treated water.
- Conductivity meter
- 1 micron pre-filter
- Low and high pressure switches
- Redox meter (for chlorine leakage)
- Online flow meters
- Manometers
- Logic controller
- Energy recovery systems

- Constant and ver
- Easy operation
- Unlimited water acailability in areas where there is no water source an island
- Energy recoveries with the state of art pumps
- High efficiency systems with advanced methods.

Same of Our References

Kızılada	Fethiye
Caspian Sea	Turkmenistan
Charisma Otel	Kusadası
Delta Beach Otel	Bodrum
Sealight Otel	Kusadası
Carpe Diem Otel	Ozdere



Carpe Diem Otel/Özdere • Capacity 750m³/day



Sealight Otel / Kusadası • Capacity 600m³/day