



Global Leader in Reverse Osmosis & Water Treatment Systems | Industrial & Commercial
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Case Study

Seawater RO plants to treat ocean well water for resort water and drinking use - Maldives

Project Summary

1. Destination Country: Maldives
2. Application: Resort use and drinking water
3. Type of system: 2 seawater reverse osmosis systems
4. Feed water: Well water from the ocean
5. Capacity: 48,000 GPD and 96,000 GPD
6. Manufacturing date: April 4, 2017

Here we have two Seawater Reverse Osmosis (RO) Systems. The capacity for these RO Systems are 48,000 GPD and 96,000 GPD respectively. The feed water source is well water from the ocean, the system is designed and capable to [treat seawater to meet the WHO drinking standard water parameters](#). The system starts with a feed and backwash duplex stainless steel pumps, corrosion resistance. One 48-in. Multi Media Filter will act as a pre-treatment for the 48,000 GPD System, and two 48-in. Multi Media Filters will act as a pre-treatment for the 96,000 GPD System.

Specifications:

- Powder coated steel frame



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- Heavy duty 5 micron cartridge prefilter
- Sea water resistant SS pump
- Microprocessor/PLC based control panel & VFD
- Glycerin-filled 316 SS pre filter pressure gauges
- Product & reject flow meters
- TFC spiral wound membranes
- FRP membrane housings
- 460V/3Ph/60Hz power supply
- Low & high pressure switches
- Permeate TDS monitor
- Stainless steel high pressure piping
- Stainless steel throttling valve for reject stream
- Automatic feed shut off valve
- Energy recovery on 64K GPD and larger

Features:

Learn more about all the [features of Pure Aqua seawater reverse osmosis system](#)

Usage:

In this project, seawater RO plants to treat ocean well water for resort water use and drinking applications.

Learn more about [Pure Aqua seawater RO systems usage and applications](#)

Document & Data Sheet:

[Seawater Reverse Osmosis Desalination System Data Sheet](#)



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Video:

Watch it on [Pure Aqua, Inc. YouTube Channel](#)

Recommended Products:

[Commercial seawater reverse osmosis watermaker systems SWC](#)

[Industrial FRP tank water media filter MF-600](#)

[Multi-cartridge stainless steel filter housing SSC series](#)

[Chemical dosing systems CDS](#)

For more information:

[Visit the project page](#)

