

Brackish RO Machines

In March 2011, Pure Aqua successfully manufactured and supplied 21 brackish RO machines to a major oil company Iraq to produce different capacities between 1,000 GPD to 30,000 GPD at a maximum 5,000 ppm feed water TDS.

Fifteen RO-1000 machines were designed to produce 1,000 GPD and were selected from our RO-200 series. They came equipped with pre and post treatments consisting of multimedia and activated carbon filters, water softeners, and UV sterilizers. Each of the RO-1000 machines came complete with a Grundfos stainless steel high pressure pump, Filmtec membranes, flowmeters, conductivity meters, and low pressure switches.

Three RO-9000 machines were selected from our RO-200 series and were designed to produce 9,000 GPD. These machines came equipped with pre and post treatments consisting of multimedia and activated carbon filters, antiscalant dosing systems, and UV sterilizers. Each of the RO-9000 machines came complete with a Grundfos stainless steel high pressure pump, Hydranautic membranes, flowmeters, conductivity meters, and low pressure switches.

The last three BW-30K-7340-5 machines were designed to produce 30,000 GPD and were selected from our RO-300 series. These machines came equipped with pre and post treatments consisting of multimedia and activated carbon filters, antiscalant dosing systems, and UV sterilizers. Each machine came complete with a Grundfos stainless steel high pressure pump, Hydranautic membranes, flowmeters, conductivity meters, and low pressure switches.

All machines came equipped with cleaning skids and each was controlled by an advanced microprocessor. All interconnecting piping and wiring were also included.



System Overview

Location: Iraq

Objective: Drinking water with less than 500 ppm

Water Source: Well Water

Feed TDS: 5,000 ppm

Capacity: 15X 1,000 - 3X 9000 – 3X 30,000 GPD

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Designed and
Manufactured in
Southern California,
USA

Pure Aqua Inc. is an
ISO:9001 certified
company with over a
decade of experience
in advanced system
design and
manufacturing.

Using the latest
technology in 3D
Computer Aided
Design (CAD) software
allows for highly
detailed and functional
design. This reduces
material cost and
environmental impact,
while maintaining
quality and reliability.

Our modular systems
are engineered for
ease of integration and
delivery to many
locations worldwide.