

Industrial High Brackish Reverse Osmosis System

In January 2013, Pure Aqua, Inc. successfully manufactured and supplied an industrial high brackish reverse osmosis system to a major water treatment company in Lebanon. The objective was to produce drinking water with less than 500 ppm. The product water capacity was 130,000 GPD from a well water of approximately 11,000 ppm TDS. The industrial high brackish reverse osmosis system was selected from our RO-400 series and came complete with an advanced PLC, two high pressure stainless steel pumps, pre and post treatment, and VFD.



System Overview

Location:	Lebanon
End-User:	A major water treatment company
Objective:	Drinking water with less than 500 ppm
Water Source:	Well water
Feed TDS:	11,000 ppm
Capacity:	130,000 GPD
Pretreatment:	Multimedia, Carbon, and Birm filters
Dosing Systems:	Dechlorination, Acid, Post PH, and Antiscalant dosing systems
Instruments:	Digital flowmeters, conductivity meter, ORP meter, and low & high pressure switches
Control System:	PLC controlled with color touch screen

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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.