

## Commercial Brackish Reverse Osmosis Equipment

In May 2013, Pure Aqua, Inc. designed and manufactured brackish reverse osmosis equipment to an IKEA store in Jordan to remove hardness, chlorine, TDS, and odor from well water. The equipment consisted of a twin alternating softener with 21" diameter FRP tanks, activated carbon filter with 18" diameter stainless steel tanks with top mounted valves and chemical dosing systems.



### System Overview

Location:	Jordan
End-User:	IKEA store
Objective:	To remove hardness, chlorine, TDS, and odor
Water Source:	Well water
Feed TDS:	1,000 ppm
Capacity:	12,000 GPD
Pretreatment:	Prechlorination, antiscalant chemical dosing systems, carbon filter, and softener
Membranes:	Hydranautics "ESPA1-4040", Quantity 8
Instruments:	Flowmeters, conductivity meter, pressure gauges, and a low pressure switch
Control System:	Microprocessor control panel

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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.