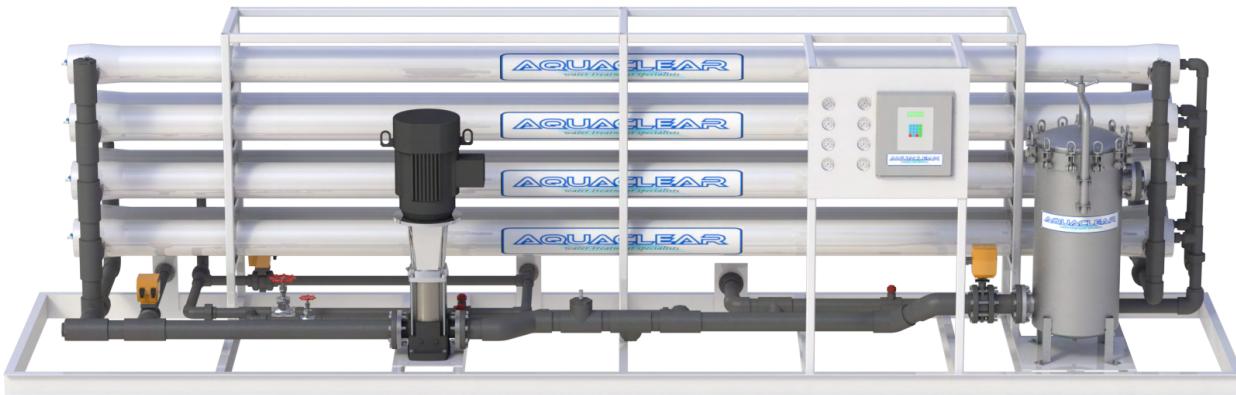


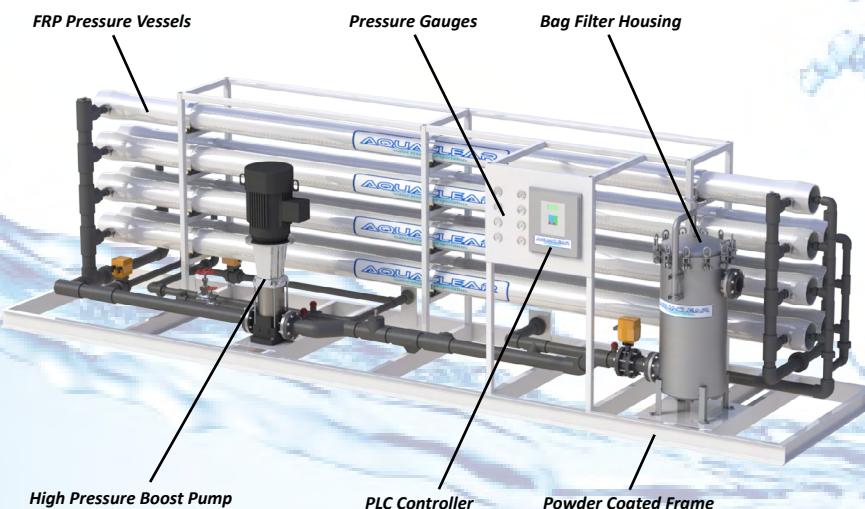


Industrial Reverse Osmosis Systems



275,000 GPD Industrial Reverse Osmosis System

Aqua Clear Water Treatment Specialists manufacturers and engineers customized industrial reverse osmosis systems to accommodate many different water conditions. Like each water type, each reverse osmosis system is unique and fully customizable for our customers specific application. When working with any customer we listen closely to the needs and expectations, then implement this in the design process for ease of use and maintenance. Each reverse osmosis system comes fully complete with all wiring and plumbing making it a turn-key system. Simple plumbing connections and wiring is all that is needed.



Features (standard)

- Easy access points of connections
- Interconnecting piping and wiring
- Electrical packages
- 460V/3ph/60Hz power supply
- Plumbing and wiring mount/support
- Easy access control panel
- Full 3D/2D CAD drawings
- PLC controller
- Digital flow readouts
- Digital pressure readouts
- Permeate conductivity monitor

Features (optional)

- Clean-in-place skid (CIP)
- 380-415V/3ph/50Hz power supply
- Chemical dosing systems
- Divert valves
- Permeate flush with valves
- Feed water conductivity monitor
- pH monitor

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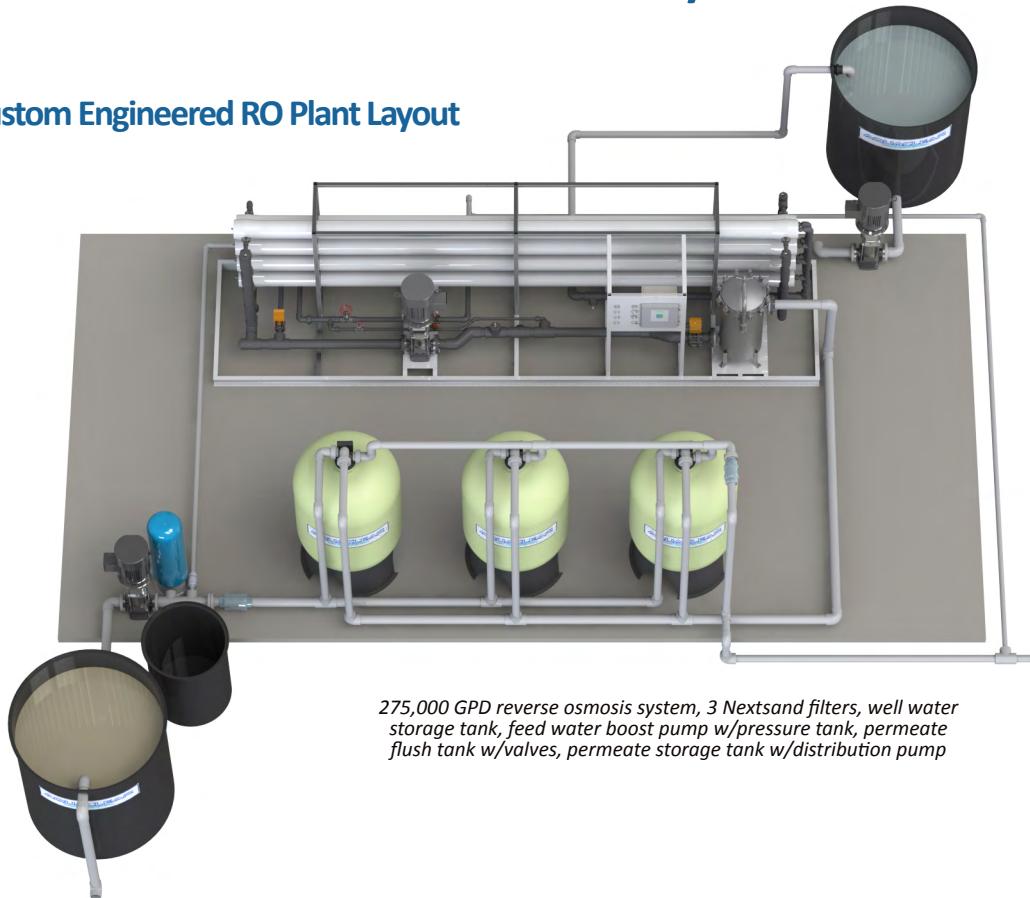
Aqua Clear Water Treatment Specialists

The Clear Choice for Commercial and Industrial Water Treatment Systems and Services
8451 Miralani Dr, Suite C • San Diego, CA 92126 • Ph. 858.270.7655 • Fax. 866.291.0742



Industrial Reverse Osmosis Systems

Custom Engineered RO Plant Layout



275,000 GPD reverse osmosis system, 3 Nextsand filters, well water storage tank, feed water boost pump w/pressure tank, permeate flush tank w/valves, permeate storage tank w/distribution pump

Benefits

When compared with other conventional water treatment processes, reverse osmosis has proven to be the most efficient means of removing salts, chemical contaminants and heavy metals, such as lead, from drinking water. Typically waters with total dissolved solids of 200 or more, reverse osmosis is less expensive than ion exchange. Compared with distillation, reverse osmosis use only a fraction of the total energy and does not have high temperature problems or scaling and corrosion. Today reverse osmosis systems have proven to be the most economical and efficient means of improving the quality of water.

Operation Specifications:

- ▷ Max. feed water temperature: 40°C/104°F
- ▷ Min. Feed water pressure: 30 psi
- ▷ Operating pressure: 120 to 150 psi
- ▷ Max. SDI (Silt Density Index): <3.0
- ▷ Max. feed chlorine : 0 ppm
- ▷ Turbidity < 50 max. 300 NTU
- ▷ Nominal system overall recovery rate 75%-80%
- ▷ Nominal system TDS reduction: 95%-99%

Aqua Clear Water Treatment Specialists also supplies: Multimedia Pretreatment, Activated Carbon Pretreatment, Water Conditioning, Chemical Dosing Systems, Ultraviolet (UV) Sterilizers and Ozonation Systems.

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