

Technical Proposal FORT BRAGG REVERSE OSMOSIS SYSTEM

Model AC-6680

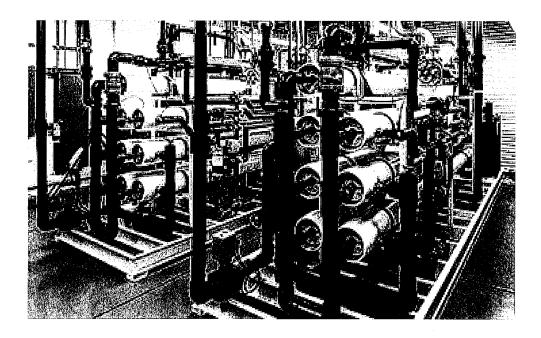


Image shown may differ from proposed system

Prepared for City of Fort Bragg

Fort Bragg, CA

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June 9, 2021

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| Client | City of Fort Bragg |
|-------------------|---------------------------------------|
| Location | Fort Bragg, CA |
| Project Title | Reverse Osmosis Skid |
| Engineering Firm | N/A |
| Project No. | TBD |
| Contact Person(s) | Heath Daniels – Operations Supervisor |
| ACI Document No. | QUO-001630-20210510 |
| Status | Final proposal |
| Date | June 9, 2021 |
| Revision | 2 |

Aqua Clear Contact Information

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| Revision history | Reason | Date | By |
|---------------------|--|----------|---------|
| 0 | Issued for proposal | 05/11/21 | S. Peck |
| 1 | Change in GPD & add Concentrate Recovery | 06/07/21 | S. Peck |
| 2 | Add feed pump | 06/09/21 | S. Peck |
| | | | |

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1 Introduction

Aqua Clear, Inc. is pleased to present this proposal in response to City of Fort Bragg's request for a Reverse Osmosis System to produce purified water at the water treatment facility located in Fort Bragg, CA.

Founded in 1993, Aqua Clear Water Treatment Specialists is the Southern California cleantech provider of technology and service for both industrial water purification and wastewater reclamation.

Aqua Clear's mission is to develop and grow lasting relationships with clients through listening to and serving their business goals while providing access to integrated solutions for purification of water and reclamation of wastewater.

Aqua Clear's cost-effective solutions are site-specific to maximize the operational efficiency and reduce the environmental footprint of our client's facilities deriving payback from the cascading reuse of water within their facility.

Aqua Clear manufactures and field services a variety of filtration, membrane (RO, UF, CMF, EDI), equipment. Aqua Clear also formulates a variety of water treatment chemicals for coolers, boilers, membranes and clarifiers and provides chemical treatment programs and onsite service.

Aqua Clear offers RO membrane healthcare programs, monitoring and service to extend the life of the membranes. We provide membrane chemicals for the RO skid and have the capacity to perform membrane fouling analysis and offsite cleaning.

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2 Project scope

Aqua Clear will supply a Reverse Osmosis System as described within this proposal based on information provided by City of Fort Bragg on June 4, 2021. Aqua Clear will be responsible for the fabrication of the skid (and will offer startup assistance and operator training as an option).

2.1. Equipment and Capacity

The Reverse Osmosis System will produce purified water at a total capacity 288,000 gallons per day (200 gpm) based on the specifications provided by City of Fort Bragg. This system will consist of two (2) subsystems (RO and CIP)*.

The RO subsystem will consist of one (1) train each at 200 gpm which contains the following components:

- PLC with touchscreen HMI
- Feed pump
- Bag filter housing and filters
- Antiscalant metering pump and day tank
- Dechlorination metering pump and day tank
- High-Pressure RO Pump
- High-Pressure Concentrate Pump
- RO Pressure Vessels and Membranes
- VFDs for RO Pump and Concentrate Pump
- Instrumentation
- Powder-coated steel frame

The Clean-In-Place (CIP) subsystem will consist of the following components:

- Solution tank
- Circulating pump
- Motor starter
- Filter housing w/filter
- Instrumentation
- Immersion Heater
- Powder-coated steel frame

*Note: This proposal assumes that any pretreatment and post-treatment/ disinfection where deemed necessary will be provided by the City of Fort Bragg.

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If the concentrations of iron and manganese are higher than reported, Aqua Clear offers the **Option** of a **Media Filter Skid** with following components:

- Media Filters with iron removal media
- Control valves
- Pre-plumbed
- Powder-coated steel frame

2.2. Raw Water Quality

From Alpha Analytical Laboratories report dated 12/02/15, the data below represents the influent to the RO system. In addition, the City of Fort Bragg stated on June 4, 2021 that turbidity is reported as <1 NTU and the suspended solids as <1 ppm TSS.

Note: The concentration of silica has not been provided. The total organic carbon is assumed to be <3 ppm TOC.

alpha

Alpha Analytical Laboratories Inc.

e-mail: clientservices@alpha-labs.com

Corporate: 208 Mason St., Ukiah, CA 95482 • Phone: (707) 468-0401 • Fax: (707) 468-5267
Bay Area: 6398 Dougherty Rd., Suite 35, Dublin, CA 94568 • Phone: (925) 828-6226 • Fax: (925) 828-6309
Central Valley: 9090 Union Park Way, Suite 113, Elk Grove, CA 95624 • Phone: (916) 686-5190 • Fax: (916) 686-5192

Sample Name: Laboratory ID: Noyo 15K1890-02 Report Date:

System Number:

12/02/15 13:40

Laboratory Code: 1610

System Name: Source Name:

FORT BRAGG, CITY OF 2310001-002 NOYO RIVER PUMP STATION Sample Date: 11/ Sample Received: 11/ User ID: RX

11/18/15 08:03 11/18/15 13:18 RXR 2310001

Sampled by: Heath Daniels Employed by: City of Fort Bragg

Data submitted to DDW via EDT

Inorganic Chemicals

| Parameter | Result | MCL | DLR | Units | Storet | Test Method |
|-----------|--------|------|-----|-------|--------|-------------|
| Iron | 130 | 300 | 100 | ug/L | 01045 | EPA 200.8 |
| Manganese | <20 | 50 | 20 | ug/L | 01055 | EPA 200.8 |
| Nickel | <10 | 100 | 10 | ug/L | 01067 | EPA 200.8 |
| Selenium | < 5.0 | 50 | 5.0 | ug/L | 01147 | EPA 200.8 |
| Silver | <10 | 100 | 10 | ug/L | 01077 | EPA 200.8 |
| Thallium | <1.0 | 2 | 1.0 | ug/L | 01059 | EPA 200.8 |
| Zinc | <50 | 5000 | 50 | ug/L | 01092 | EPA 200.8 |
| Mercury | <1.0 | 2 | 1.0 | ug/L | 71900 | EPA 245.1 |

Inorganic: Additional Analyses

| Parameter | Result | MCL | DLR | Units | Storet | Test Method | |
|-------------------------------|----------------|-----|------|------------|----------------|-------------------|--|
| Aggressive Index Nitrite as N | 11.12 <0.40 | 10 | 0.40 | NU ma/L | 82383 00620 | AWWA EPA 300.0 | |
| Perchlorate | <4.0 | 6 | 4.0 | ug/L | A-031 | EPA 314.0 | |

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Sample Name: Noyo Laboratory ID: 15K1890-02 Report Date:

12/02/15 13:40

Laboratory Code: 1610

System Name: Source Name: Sampled by:

Employed by:

FORT BRAGG, CITY OF

Heath Daniels

2310001-002 NOYO RIVER PUMP STATION

Sample Date: Sample Received: 11/18/15 08:03 11/18/15 13:18

User ID: System Number:

RXR 2310001

City of Fort Bragg Data submitted to DDW via EDT

General Mineral and Physical

| Parameter | Result | MCL | DLR | Units | Storet | Test Method |
|---------------------------------|--------|-----|------|----------|--------|-------------|
| Odor | <1.0 | 3 | 1 | T.O.N. | 00086 | EPA 140.1 |
| Calcium | 17 | | | mg/L | 00916 | EPA 200.7 |
| Magnesium | 5.8 | | | mg/L | 00927 | EPA 200.7 |
| Sodium | 11 | | | mg/L | 00929 | EPA 200.7 |
| Nitrate as NO3 | <2.0 | 45 | 2.0 | mg/L | 71850 | EPA 300.0 |
| Sulfate as SO4 | 5.7 | | 0.5 | mg/L | 00945 | EPA 300.0 |
| Fluoride | 0.12 | 2 | 0.10 | mg/L | 00951 | EPA 300.0 |
| Chloride | 9.9 | • | | mg/L | 00940 | EPA 300.0 |
| Color | 13 | 15 | | ÇÜ | 00081 | SM2120B |
| Turbidity | 0.39 | 5 | | NTU | 82079 | SM2130B |
| Hydroxide | <5.0 | | | mg/L | 71830 | SM2320B |
| Carbonate | <5.0 | | | mg/L | 00445 | SM2320B |
| Bicarbonate | 94 | | | mg/L | 00440 | SM2320B |
| Total Alkalinity as CaCO3 | 77 | | | mg/L | 00410 | SM2320B |
| Hardness, Total | 66 | | | mg/L | 00900 | SM2340B |
| Specific Conductance (EC) | 180 | • | | umhos/cm | 00095 | SM2510B |
| Total Dissolved Solids | 120 | • | | mg/L | 70300 | SM2540C |
| На | 7.60 | | | pH Units | 00403 | SM4500-H+ B |
| MBAS, calculated as LAS, mw 340 | <0.050 | 0.5 | | mg/L | 38260 | SM5540C |

Inorganic Chemicals

| Parameter | Result | MCL | DLR | Units | Storet | Test Method |
|-----------|--------|------|-----|-------|--------|-------------|
| Aluminum | 210 | 1000 | 50 | ug/L | 01105 | EPA 200.8 |
| Antimony | <6.0 | 6 | 6.0 | ug/L | 01097 | EPA 200.8 |
| Arsenic | <2.0 | 10 | 2.0 | ug/L | 01002 | EPA 200.8 |
| Barium | <100 | 1000 | 100 | ug/L | 01007 | EPA 200.8 |
| Beryllium | <1.0 | 4 | 1.0 | ug/L | 01012 | EPA 200.8 |
| Cadmium | <1.0 | 5 | 1.0 | ug/L | 01027 | EPA 200.8 |
| Chromium | <10 | 50 | 10 | ug/L | 01034 | EPA 200.8 |
| Copper | <50 | 1000 | 50 | ug/L | 01042 | EPA 200.8 |

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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2.3. Required Product Water Specifications

Product TDS

< 500 mg/L

The product TDS of the water produced determined by Toray projections for TMG20D-400 and TM720D-400 membranes.

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2.4. Utility Connections and Operating Environment

The environment in which the water plant will operate is assumed to be described as:

- Non-Hazardous Electrical Area Classification
- Temperature: 35 140°F, during normal operation
- Relative Humidity: 5 95% (non-condensing)

For this proposal the available site utilities are assumed to include:

- Electrical Supply: 460V/60Hz/3Ph
- Feed Water: 5-ft Suction lift required

• Drain: atmospheric

This proposal is also based on the following documents received:

| Dodimen Number | Title | Revision |
|--|---|----------|
| Alpha Analytical Lab | Noyo River Pump Station Analytical Report | 12/02/15 |
| Email | Email communication btw Fort Bragg and Ryan Process | 06/04/21 |
| Phone btw Fort Bragg and Ryan Process | Feed pump required with suction lift of 5 ft | 06/09/21 |
| | | |
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3 Equipment Description

Based on the scope of the project defined in Section 2, below is a general description of the equipment and components that comprise the AC-6680 RO system and the clean-in-place (CIP) system. Specific technical data follows.

3.0. System Description

Aqua Clear's RO systems are designed to produce purified water. Aqua Clear's RO systems incorporate energy saving measures such as low-pressure RO membranes and VFD control of pump motors.

The RO unit includes reverse osmosis (RO) membranes to filter dissolved solids. This skid-mounted, package system is pre-plumbed and pre-wired on a powder-coated frame complete with a PLC and touchscreen HMI, variable frequency drives, instrumentation and preprogrammed automatic operation allowing for straightforward system monitoring and control.

3.1 Reverse Osmosis System

3.1.1 RO Process Description

The reverse osmosis process removes greater than 99% of the dissolved solids (TDS) from the feed water. This is accomplished by applying pressure across semi-permeable membranes which allow water to pass across the membrane (permeate) and concentrating the solids into a waste stream (concentrate). As the quantity of permeate water recovered from feed water is increased, the

concentrate of solids in the waste stream proportionally increases.

The RO skid is comprised of these primary components:

- Pre-Filter housing
- High Pressure Pumps
- Membrane pressure vessels with RO membranes

The upstream filter housing contains bags filters that protect the pump and RO membranes by removing suspended solids that may have carried over in

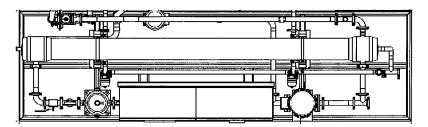
the feed water.

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The RO system is inherently a modular design with the "building blocks" being the membrane elements. In order to calculate the number of membrane elements required for

the project, the desired permeate production rate is divided by the appropriate average system flux rate and the membrane surface area of the selected element. Flux is defined as the permeate production divided by total active membrane area and is measured as GFD (Gallons per Square Foot Membrane Area per Day). Given the use of ground water, a flux rate within the range of 14 through 18 GFD is appropriate for this application.

RO recovery is defined as the percentage of permeate water produced from the feed flow. Recovery is limited by factors such as solubility of the salts in the concentrate stream (scaling) and flow across the membrane surface (crossflow). Operating at higher recovery rates increases the TDS within the RO permeate stream. The RO system optimally operates within the range of 75 to 80% recovery.

RO recovery is maintained through proportional control using an actuated valve with positioner on the concentrate stream.

The system includes a concentrate recovery stage which increases the concentration by pumping the brine stream thru an additional vessel of membranes at a higher pressure to further recover more permeate and reduce the brine discharge to sewer by 50%

When the RO system is not in service, a flush sequence is initiated using RO permeate.

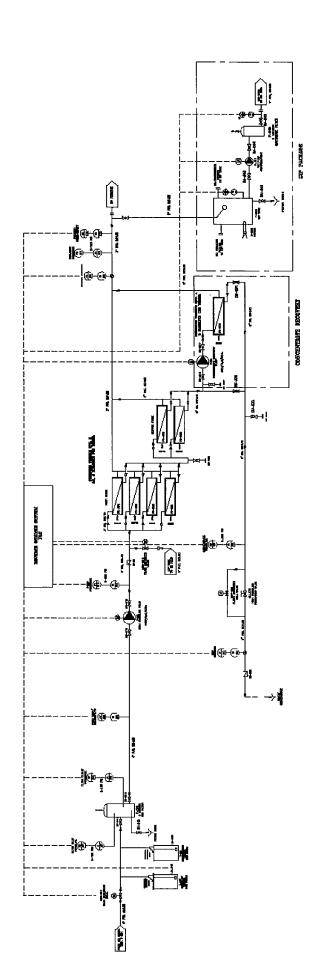
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3.1.2 RO System Components

3.1.2.1 Feed Pump

- Self-Priming centrifugal design
- Cast Iron Construction with Stainless Steel Impeller
- 250 gpm @ 5-ft suction lift & 25 psi discharge
- AMT (Gorman-Rupp brand)

3.1.2.2 Motor

- TEFC
- 7.5 HP
- 460V/3-phase/60hz

3.1.2.3 Filter Housing

- 304SS
- #2 Bag Filters
- Shelco or equivalent

3.1.2.4 High-Pressure Booster Pumps (2)

- Vertical multi-stage centrifugal design
- 316SS
- 250 gpm @ 225 psi
- 60 gpm @ 200 psi (for concentrate recovery)
- Grundfos

3.1.2.5 Motors (2)

- High Efficiency
- TEFC
- 50 HP
- 15 HP (for concentrate recovery)
- 480V/3-phase/60hz
- Panel-mounted VFD







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3.1.2.6 Reverse Osmosis Membranes (42)

- Spiral wound thin-film composite
- 8" diameter x 40" length
- 400 ft² membrane surface area
- 34-mil spacer
- Toray TMG20D-400
- Toray TM720D-400 (for concentrate recovery)

3.1.2.7 Reverse Osmosis Pressure Vessels (7)

- Fiberglass reinforced (FRP) pressure vessels
- 8" Diameter
- Protec
- 6 membrane elements per vessel
- Pressure: 300 psi max
- Pressure: 450 psi max (for concentrate recovery)

3.1.2.8 Chemical Injection Pumps and Day Tanks (2)

- Anti-scalant Injection
- Dechlorination Injection
- 110V
- Day Tank
- Low-level Switch



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3.2 System Control Center

3.2.1 Programmable Logic Computer

- Allen Bradley MicroLogix
- Automatic startup sequence and operation
- Automated permeate flush during non-demand periods
- Safe system shutdown when alarm conditions are exceeded
- Pretreatment and post distribution system interlocks

3.2.2 Human Machine Interface

- Allen Bradley Touchscreen
- Graphic display of monitoring points
- User-defined setpoints
- Alarm History
- USB port for datalogging history

3.2.3 Variable Frequency Drive (2)

- Panel-mounted VFD for High Pressure Pump
- 50 HP
- 15 HP (for concentrate recovery)
- 460V

3.2.4 Control Panel

- UL 508 listed
- NEMA 4 Rated enclosure

3.3 Instrumentation

3.3.1 Pressure (8)

- 316L SS
- Glycerin-filled
- 0 to 300 psi display
- Transmitter









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3.3.2 Flow (3)

- Paddlewheel-type flow sensors
- Transmitter
- **GF** Signet

3.3.3 Conductivity/Temperature

- Conductivity sensors (3)
- Temperature sensors (1)
- **GF** Signet

Mechanical 3.4

3.4.1 Frame

- RO system described herein will be affixed to and mounted on structural skids.
- Powder-coated steel frame

3.4.2 Piping and Valves

- Sch 80 PVC
- Sch 10 SS on high pressure lines

3.5 Electrical

- 460 V/3 Phase/60 Hz
- Single disconnect

3.6 Clean-In-Place System

The Clean-In-Place system (CIP) will be mounted on the RO skid. It includes a tank for manual preparation of the membrane cleaning solutions, an immersion heater within the tank to heat the solution up to 45°C, a pump to circulate the solution through the membranes at low pressure, and a cartridge filter to remove dislodged particulates.

CIP Components 3.6.1

- 200-gpm pump Stainless Steel Wetted-End Construction TEFC Motor
- Pump Motor Starter

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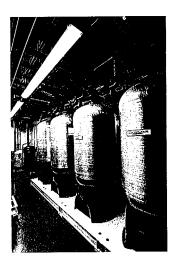
- 300-gallon Polyethylene Solution Tank
- Cartridge Prefilter Housing
- Spun-Wound Polypropylene Filter Cartridges
- Instrumentation includes Pressure Gauge, pH sensor and Thermometer
- Pre-Wired Immersion Heater

3.7 Media Filter System (Priced Option)

The Media Filter System designed for 240 gpm will be mounted on a separate skid. It includes tanks filled with granular water filtration media used for the removal of hydrogen sulfide, iron and manganese. particulates. Each bed will have a control valve head interlocked to accommodate backwash phase.

3.7.1 Media Filter Components

- Two (2) 48" x 72" Pentair composite fiberglass vessels
- Two (2) Clack WS3 Control valve configuration
- 40.0 FT3 Pyrolox 20x40 mesh media per vessel
- Control valves pre-plumbed for basic installation onsite
- Instrumentation includes Pressure Gauges
- Mounted on powder coated steel frame
- Oxidant metering pump and day tank (when needed)



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4 Documentation

Respective documentation for each of the new equipment will also be provided.

4.1 Documentation provided

- Operation and maintenance manuals
- Component catalog cut sheets
- As built general arrangement drawings
- As built process and instrumentation diagrams
- As built electrical drawings and wiring diagrams

4.2 O&M Manuals (2 USBs)

Aqua Clear's Instruction/Operation/Maintenance Manual covers the multitude of facets to operation of a water treatment unit. The manual includes topics such as:

- Description of the modes of operation
- Detailed overview of the HMI of the system and how to confidently navigate the wealth of information
- Installation and start-up guidelines
- Step-by-step instructions on all operations of the water treatment system
- Troubleshooting of common problems
- Typical maintenance required by the system
- Data recording instructions
- Chemical mixing instructions
- Safety procedures
- Relevant system drawings for reference throughout the manual

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5 Technical Services (Priced Option)

5.1 Commissioning Plan, Service & Support Packages

Prior to commencement of commissioning of the system, Aqua Clear will prepare and provide a customized commissioning and start-up plan.

Commissioningwillbecemialoutby Aque Clears qualified and experienced personal, and will induits business not bellimited to the followings

- > Assist in loading cartridge filter and membranes
- > Check and calibrate all meters, probes, analyzers
- Mechanical check:
 - o Confirm that piping terminations have been completed
 - o Tanks cleaned (no debris inside)
 - o Adjust timing for auto valves, ensure smooth operation
- > Electrical check:
 - o Check rotation of pumps
 - o Verify feed power
 - o Verify all I/O with off skid equipment
 - o Verify VFD programming
- > Chemical feed system verification
 - o Dosage
 - Fill tanks
- > Manual operation
- > Automatic operation
 - o Verify correct set points
 - o Tune PID loops
 - o Test all modes of operation
 - o Verify correct control of equipment by others
 - o Verify system performs to design parameters
- > Participate in Site Testing
- > Operator training

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5.2 Start-Up Training

Perhaps the most significant training the operators will receive is the hands-on training provided at the time of start-up and commissioning. Aqua Clear personnel strive to include operators in the start-up and commissioning process, as it provides a terrific opportunity for the plant personnel to become familiar with the new processes and equipment supplied.

Activities that are reviewed during start-up include:

- Filter and membrane loading
- Review of parameters used to control equipment
- HMI operation
- Explanation of data logging procedures and value of collected data
- Importance of chemical dosing and how to measure rates and flows
- Operation of individual pieces of equipment such as analyzers and chemical feed pumps
- Calibration procedures for equipment that need regular monitoring
- Discussion of sampling procedure and recommended frequency

5.3 Technical Exclusions

| The fol | owing is not included in out proposal. Some items will need to be provided by others: |
|---------|---|
| • | Floor drain |
| • | Electrical supply |
| • | Containment unit for chemicals. |
| • | Safe storage of equipment at site until ready for installation |
| • | Civil works. |
| • | Equipment access platforms, walkways, stairs etc. unless otherwise specified |
| • | Electrical wiring interconnections (including wiring, conduit and other appurtenances) to and between Aqua Clear supplied skids/equipment |
| • | Equipment anchor bolts. |
| • | Raw materials, chemicals, and other consumables required for normal operation. |
| • | Bulk chemical storage facilities including chemical totes. |
| • | All required permits. |

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Commercial

Price Summary 6.1

Reverse Osmosis Skid 1)

2) Media Filtration Skid (Option)

Commissioning Oversight & Training (Option) 3)

\$298,800.00

\$ 78,100.00

\$1800/day + travel expenses

tax \$26,518.50

\$325,318.50

+ \$1,500,00

\$335,818,50

Standard Exceptions and Clarifications 6.2

1) The above prices do not include taxes, VAT

The above prices do not include duties or other government fees 2)

Shipping & Crating cost not included 3)

Commercial Terms and Conditions 6.3

| Validity | Proposal valid for 30-days |
|---------------------|--|
| Shipping / Delivery | Delivered to Fort Bragg, CA (Cost to be determined) |
| | Manufacturing time is 10-12 weeks after receipt of approved drawings/documents. |
| | Delays in drawing/document approval will result in a day- for-day adjustment to ship date via customer change order. |
| Payment Terms | 50% down payment, due upon PO 50% prior to shipment |
| Warranty | Aqua Clear's standard warranty is 18 months from shipment date or 12 months from installation, whichever occurs first. This stated warranty period will supersede any and all other implied warranty period(s) stated in the proposal package. |
| Cancellation Policy | See terms and conditions. |

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General Terms & Conditions

All terms and conditions of sale are negotiable at the time of order. Aqua Clear standard terms and conditions of sale have been attached in the Commercial Proposal for review.

7 Supporting documents

- 1. Aqua Clear General Terms and Conditions
 - a. Sales
 - b. Service

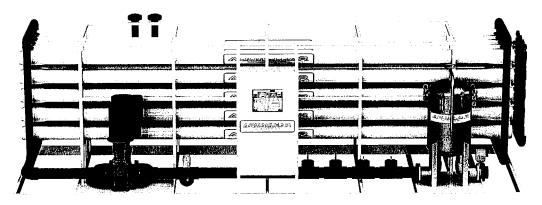
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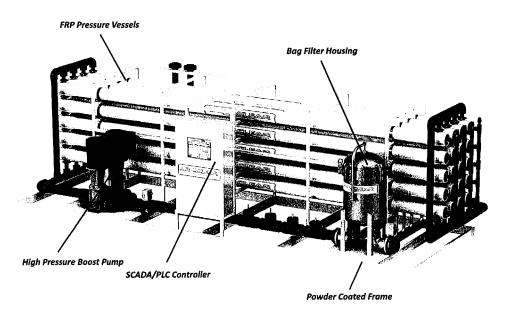


Industrial Reverse Osmosis Systems



700 GPM Industrial Reverse Osmosis System w/SCADA PLC

Aqua Clear Water Treatment Specialists manufacturers and engineers 250-1000 gpm customized industrial reverse osmosis systems to accomodate 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
Full electrical package
460V/3ph/60Hz power supply
Plumbing and wiring mount/support
Easy access control panel
3D/2D CAD drawings/O&M manual
PLC controller
Digital flow readouts
Digital pressure readouts
Permeate/feed conductivity monitor

Features (optionional)

Clean-in-place skid (CIP)
380-415V/3ph/50Hz power supply
Chemical dosing systems
Divert valves
Permeate flush with valves
PH/ORP monitoring
SCADA with remote monitorhing
Ultraviolet Sterilizer

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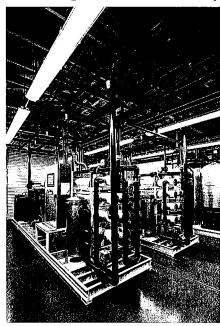
The Clear Choice for Commercial and Industrial Water Treatment Systems and Services 8451 Miralani Dr, Suite T • San Diego, CA 92126 • Ph. 858.270.7655 • Fax. 866.291.0742

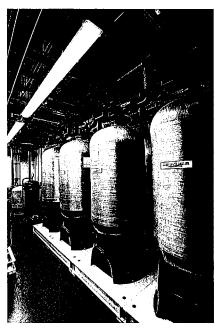


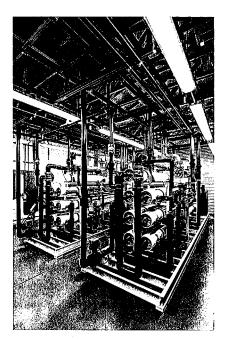
Industrial Reverse Osmosis Systems

D Engineering D Manufacturing D Installation D Startup/Training D Service

Custom Engineered RO Plant Layouts







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 Max. feed chlorine: 0 ppm

Min. Feed water pressure: 30 psi

Turbidity < 50 max. 300 NTU

b Operating pressure: 120 to 150 psi

Nominal system overall recovery rate 75%-80%

Max. SDI (Silt Density Index): <3.0

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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