

Demineralizers Questionnaire

Featuring Eco-Tec

General Information

First Name Last Name Phone Number Fax Number

Email Address Date Date Proposal Needed Type of Proposal Budget (/- 30%)

Company Address City

State Plant Name Plant location

AZ

Installation Description

Operating Times: Hours/day Days/week weeks/year

Process Information

Deionized water end use (e.g. boiler feed, electronics, etc)

Minimum water quality required umho/cm

Average water quality required umho/cm

Maximum allowable silica concentration (SiO₂)
mg/l

Water flow required Max. Min.

Is expansion expected in future? Yes How Much?

Do you want system sized to provide extra expansion? Yes

If the proposed equipment is to be used with existing equipment, give details of existing equipment:

Is a D.I. water storage tank currently in place? Size

Yes

Is new water storage tank required? New Size

Eco-Tec deionizers require deionized water for dilution of regenerant chemicals. If an existing water storage tank is used, please answer the following questions:

Are chemicals added to the deionized water storage tank? Yes

If "NO," can the deionizer be placed next to it to provide a flooded suction to the

regeneration pump? Yes

Is waste neutralization required? Yes

Water Source - Analysis

Water Source (e.g. municipal, well, river, etc.)

If the feedwater supply is from a source other than a municipally treated supply, please provide details as to what, if any, pretreatment (clarification, filtration, etc.) is done.

Water Analysis. Fax copy of water analysis or complete questions below.

Parameter	Typical Results - Average	Typical Results - Maximum
Calcium -Ca	Calcium Avg.	Calcium Max.
Magnesium -Mg	Magnesium Avg.	Magnesium Max.
Sodium -Na	Sodium Avg.	Sodium Max.
Potassium -mg/l K	Potassium Avg.	Potassium Max.
Aluminum -mg/l Al	Aluminum Avg.	Aluminum Max.
Iron - Total -mg/l Fe	Total Iron Avg.	Total Iron Max.
Iron - Dissolved mg/l	Dissolved Iron Avg.	Dissolved Iron Max.
Manganese -mg/l Mn	Manganese Avg.	Manganese Max.
Lead -mg/l Pb	Lead Avg.	Lead Max.
Copper -mg/l Cu	Copper Avg.	Copper Max.
Chrome -mg/l Cr	Chrome Avg.	Chrome Max.
Zinc -mg/l Zn	Zinc Avg.	Zinc Max.
pH	pH Avg.	pH Max.
Conductivity umho/cm	Conduct. Avg.	Conduct. Max.
Color (Hazen units)	Color Avg.	Color Max.
Turbidity NTU or JTU	Turbidity Avg.	Turbidity Max.
Temperature (Cent.)	Temp. Avg.	Temp. Max.

Alkalinity -CaCo3	Alkalinity Avg.	Alkalinity Max.
Sulphate -SO4	Sulphate Avg.	Sulphate Max.
Chloride -Cl	Chloride Avg.	Chloride Max.
Fluoride -F	Fluoride Avg.	Fluoride Max.
Nitrate -NO3	Nitrate Avg.	Nitrate Max.
Phosphate -PO4	Phosphate Avg.	Phosphate Max.
Silica - Total -SiO2	Total Silica Avg.	Total Silica Max.
Silica - Dissolved	Dissolved Silica Avg.	Dissolved Silica Max.
Silica - Unreactive SiO2	Unreactive Silica Avg.	Unreactive Silica Max.
Sulphide -H2S	Sulphide Avg.	Sulphide Max.
Total Dissolved Solids	Total Dissolved Solids Avg.	Total Dissolved Solids Max.
Total Suspended Solids	Total Suspended Solids Avg.	Total Suspended Solids Max.
Free Chlorine -Cl2	Free Chlorine Avg.	Free Chlorine Max.
Carbon Dioxide -CO2	Carbon Dioxide Avg.	Carbon Dioxide Max.
Dissolved Oxygen -O2	Dissolved Oxygen Avg.	Dissolved Oxygen Max.
Oil & Grease	Oil & Grease Avg.	Oil & Grease Max.
Total Hardness - CaCO3	Total Hardness Avg.	Total Hardness Max.
Total Organic Carbon	Total Organic Carbon Avg.	Total Organic Carbon Max.
Pressure Range of feedwater supply: Low	Supply Pressure: High	

Services

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Power (V/Ph/Hz)	Control (V/Ph/Hz)	
Pressure Range of Compressed Air: Low	Air Pressure Range: High	
Saturated Steam available for use <input checked="" type="checkbox"/> Yes		
Chemicals available (93% H2SO4,etc.)- Acid:	Chemicals - Caustic	
Special Equipment Requirements		
If particular components are required for purchased equipment such as a particular make of pump, or programmable controller, please provide details:		
<div style="border: 1px solid black; height: 40px;"></div>		
<p>Eco-Tec manufactures from its standard designs using components of a high industrial quality. Substitution of standard components for an alternate specified by the customer may be accomodated at additional cost. Alternate components are covered only under the manufacturer's original warrenty, and are exempt from Eco-Tec's more comprehensive warranty.</p>		

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