**Water Softening**

**Replacing Water Softeners**

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**REVERSE OSMOSIS SOFTENING**

**ROSOFT**

**ROSOFT®** with the ability to inhibit and disperse scale forming compounds such as:
- Calcium Sulfate
- Calcium phosphate
- Barium and Strontium Sulfate
- Metal Oxides
- Virus and Bacteria

**Watch Water® ROSOFT®** is replacing the use of water softeners. **No more salt and no more Eutrophication.** In addition to the broad spectrum protection **ROSOFT®** provide from small to large flow applications and the cost of softening becomes prohibitive. The comparison table is shown on page No. 2. We have made an overview of the costs associated to operating a water softener system compared to that of applying **ROSOFT®** dosing at various concentrations of Water Hardness.

"No Body Will Install These Lousy Water Softeners Anymore"

**ROSOFT® One Product with Multiple Benefits.**

You Will find out much more of this new discovery of ROSOFT® on our website.

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**ROSOFT®** is a multifunctional antiscalant for **RO membranes** allowing operations at high recovery rates from various feed water sources as:
- Seawater
- Brackish-Water
- Surface-Water
- Waste-Water

**MULTIFUNCTIONAL**

- Always keeps the membrane surface free from any scale corrosion and biofouling.
- **ROSOFT®** helps maximizing the production capacity while enhancing the energy footprint of the plant
- Reliable and efficient water reuse operations with **Watch Water® ROSOFT®**
Water Softener VS. WATCH ROSOFT

One of the major revolution for Reverse Osmosis Pre-treatment is ROSOFT

Pretreatment : Water Softener

Feed flow rate of 100 GPM and an RO recovery of 75%. System is a duplex water softener. Sodium chloride salt for water softener regeneration cost $0.16 per pound.

<table>
<thead>
<tr>
<th>Hardness (mg/l)</th>
<th>Capital Cost (Equipment)</th>
<th>Salt Cost ($/year)</th>
<th>Equipment Life (Years)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>$25,000</td>
<td>$1,800</td>
<td>10</td>
</tr>
<tr>
<td>20</td>
<td>$25,000</td>
<td>$3,600</td>
<td>10</td>
</tr>
<tr>
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<td>$9,000</td>
<td>10</td>
</tr>
<tr>
<td>100</td>
<td>$50,000</td>
<td>$22,500</td>
<td>10</td>
</tr>
<tr>
<td>250</td>
<td>$50,000</td>
<td>$45,000</td>
<td>10</td>
</tr>
</tbody>
</table>

ROSOFT® DOSAGE range from 3-6 mg/L depending on the water hardness. ROSOFT® is available only as instant powder and diluted just before usage. Lower or lowest operating cost that all other products (Antiscalants) in the market. ROSOFT works up to 200 Grains of hardness. No salt, No Regeneration required.

Pretreatment : ROSOFT

<table>
<thead>
<tr>
<th>Hardness (mg/l)</th>
<th>Capital Cost (Equipment)</th>
<th>ROSOFT® Cost ($/year)</th>
<th>Equipment Life (Year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>$2000</td>
<td>$1200</td>
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</tr>
<tr>
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<tr>
<td>250</td>
<td>$3000</td>
<td>$1750</td>
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</tr>
</tbody>
</table>

Key Benefits:

- NO PHOSPHONATES and performs much better than phosphonate blended Antiscalants.
- ROSOFT® keeps the scaling and fouling forming Ion's (Cation’s & Anion’s) soluble in the super saturated concentrate for 2 or 3 pass Reverse Osmosis.

To know and learn more about this huge potential of ROSOFT please contact us: