Sustainable technologies for global desalination processes

BWA Belgard® and Belite® Thermal Solutions have been providing sustainable technologies for desalination processes since 1973. Belgard® polymers and Belite® antifoam continue to be the global products of choice for the successful treatment of Multi Stage Flash (MSF) and Multi Effect Distillation (MED) systems in preventing scale deposition and fouling.

**Antiscalants:** These technologies provide exceptional scale inhibition for maintaining clean surfaces in order to achieve optimum operational conditions.

**Antifoam:** These technologies provide foam control in the thermal distillation process in order to maintain high operational efficiency.

**Online Tool:** Fouling Factor online software allows you to record the plant performance parameters and provides up-to-date performance graphs.
### Antiscalant and Antifoulant Range

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Distillation Process</th>
<th>Approval</th>
<th>Product Effective Against</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belgard® EV2030</td>
<td>Premium product, antiscalant/antifoulant for use in MSF units operating at high temperature (TBT).</td>
<td>MSF</td>
<td>Potable NSF</td>
<td>CaCO₃, Mg(OH)₂, CaSO₄, Silt/Clay Suspended Solid, Metals Al/Cu/Fe²⁺</td>
</tr>
<tr>
<td>Belgard® EV2035</td>
<td>Premium product, antiscalant/antifoulant for use in MSF units operating at high temperature (TBT).</td>
<td>MSF</td>
<td>Potable NSF</td>
<td>CaCO₃, Mg(OH)₂, CaSO₄, Silt/Clay Suspended Solid, Metals Al/Cu/Fe²⁺</td>
</tr>
<tr>
<td>Belgard® EV2050</td>
<td>Premium product, antiscalant/antifoulant for use in MED units.</td>
<td>MED</td>
<td>Potable NSF</td>
<td>CaCO₃, Mg(OH)₂, CaSO₄, Silt/Clay Suspended Solid, Metals Al/Cu/Fe²⁺</td>
</tr>
<tr>
<td>Belgard® EV/EVN</td>
<td>Antiscalant for use in MSF.</td>
<td>MSF</td>
<td>Potable NSF</td>
<td>CaCO₃, Mg(OH)₂, CaSO₄, Silt/Clay Suspended Solid, Metals Al/Cu/Fe²⁺</td>
</tr>
</tbody>
</table>

**Antifoam activity is related to main contaminants in seawater causing foaming**

### Antifoam Range

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<thead>
<tr>
<th>Product</th>
<th>Description</th>
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<th>Approval</th>
<th>Product Effective Against</th>
</tr>
</thead>
<tbody>
<tr>
<td>Belite® M8</td>
<td>Highly effective antifoam for seawater distillation plants.</td>
<td>MSF / MED</td>
<td>FDA</td>
<td>Wettability, Silt/Clay Suspended Solid, Organic Matter, Surfactants²⁻</td>
</tr>
<tr>
<td>Belite® AF10</td>
<td>Newly developed antifoam for seawater distillation plants.</td>
<td>MSF / MED</td>
<td>FDA</td>
<td>Wettability, Silt/Clay Suspended Solid, Organic Matter, Surfactants²⁻</td>
</tr>
</tbody>
</table>

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