Creating SDI Solutions
Service Deionization (SDI)
Guarantee of constant supply of high quality water

**Activated Carbon**
Remove effectivity
- Total Organic Carbon
- Chlorine
- Odor
- Color
- Micro pollutants

**Cation Deionizers**
Remove positively charged dissolved ionic contaminant
- Calcium
- Sodium
- Magnesium
- Potassium
- Iron
- Manganese

**Anion Deionizers**
Remove negatively charged dissolved ionic contaminant
- Carbonate
- Bicarbonate
- Sulfate
- Chlorides
- Nitrates
- Silica
- Organics

**Mixed bed Deionizer**
Provide higher water quality, enhance Silica, ion removal & TOC reduction

**Associated Service Range**
- High velocity rinse of UPW resin
- Emergency Services (SOS Water)
- Installation of standard column system & distribution loop
- Standby equipment and DI supply to facilitate maintenance & eliminate loss of production time
- On site resin re-bedding

**Benefits**
- Reliability
- Minimal System installation
- Minimum capital investment
- No chemical on site
- Easy maintenance
- Flexibility
- Rental / sales basis
Access to added Value services
Optimize your resources

**SDI classification**

<table>
<thead>
<tr>
<th>DI Quality</th>
<th>MB16 (white)</th>
<th>MB17 (beige)</th>
<th>MB18 (silver)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resistivity *</td>
<td>&gt;16</td>
<td>&gt;17</td>
<td>&gt;18</td>
</tr>
<tr>
<td>(megOhm-cm on line 25°C)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silica (SiO2)(ppb)</td>
<td>NA</td>
<td>NA</td>
<td>≤5</td>
</tr>
<tr>
<td>TOC (ppb)</td>
<td>NA</td>
<td>NA</td>
<td>≤5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Feed Water Requirement</th>
<th>MB16 (white)</th>
<th>MB17 (beige)</th>
<th>MB18 (silver)</th>
</tr>
</thead>
<tbody>
<tr>
<td>free chlorine (ppm)</td>
<td>&lt;0.2</td>
<td>&lt;0.2</td>
<td>NIL</td>
</tr>
<tr>
<td>Turbidity</td>
<td>&lt;1</td>
<td>&lt;1</td>
<td>NIL</td>
</tr>
<tr>
<td>Pre-treatment</td>
<td>P.U.B.</td>
<td>P.U.B.</td>
<td>RO</td>
</tr>
<tr>
<td>Pressure (PSI)</td>
<td>&lt;90</td>
<td>&lt;90</td>
<td>&lt;90</td>
</tr>
<tr>
<td>Temperature (°C)</td>
<td>&lt;40</td>
<td>&lt;40</td>
<td>&lt;40</td>
</tr>
</tbody>
</table>

**VWS columns - technical Specifications * **

<table>
<thead>
<tr>
<th>Models ( others volumes available)</th>
<th>VWS 94</th>
<th>Activated Carbon</th>
<th>VWS 300</th>
<th>MOFI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dimensions</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diameter &amp; height: (INS)</td>
<td>12x52</td>
<td>12x52</td>
<td>21x62</td>
<td>42W<em>49D</em>90H</td>
</tr>
<tr>
<td>Volume: (CU FT)</td>
<td>3,3</td>
<td>3,3</td>
<td>8,3</td>
<td>42</td>
</tr>
<tr>
<td>Inlet/Outlet: (INS)</td>
<td>(3/4)&quot; or 1&quot;</td>
<td>(3/4)&quot; or 1&quot;</td>
<td>2&quot; or (1 1/2)&quot;</td>
<td>3&quot; quick coupling</td>
</tr>
<tr>
<td>Weight: (Kg)</td>
<td>98</td>
<td>70</td>
<td>350</td>
<td>1500</td>
</tr>
<tr>
<td><strong>Flow rates</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>nominal flowrate (gpm)</td>
<td>10</td>
<td>10</td>
<td>30</td>
<td>120</td>
</tr>
<tr>
<td><strong>Pressure</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maximum: PSI (BAR)</td>
<td>90 (6.0)</td>
<td>90 (6.0)</td>
<td>90 (6.0)</td>
<td>90 (6.0)</td>
</tr>
</tbody>
</table>

* Specification are for reference only and subject to the feed water quality
In accordance with Veolia WATER TECHNOLOGIES’s policy of continual improvement, we reserve the right to amend product specifications in this document at any time without prior notice
Resin Pre-conditioning

Meet your water specifications instantaneously & improve your performance by using pre-rinsed resin while maintaining the production of your plant.

- Easy Start-up
- Optimize operating costs
- Lower usage of DI rinsing water
- Avoid risk of manufacturing disruption
- Buy-back resin option available

Ideal for microelectronics / photovoltaics and aerospace industries

SDI standard package

For long-term cost effectiveness and continuous production of high water quality (up to 18Ω), Veolia Water Technologies offers new standard SDI skid-mounted systems designed for 5, 10 or 20 gpm production requirements including integrated monitoring & control systems.

- Control of water parameters including performance data report
- Support of local team for maintenance & replacement of spare & consumables
- Quick return on investment & optimized life cycle of the system
- Modular technological solutions
- Monthly report

Buy back of polishing resin

Guarantee of constant supply of high quality water

Option to buy back your polishing mixed-bed resin
- Free disposal service
- Maximize saving for new resin purchases

Emergency Services & temporary solutions

Cost effective services in case of emergency of increase of production without incurring additional capital expenditure.

Veolia Water Technologies innovative solutions include RO technology combined with SDI expertise to provide high grade of DI water without generation of wastewater.

Aquamove™ containerized RO mobile unit more than 40m³/hr capacity
Veolia Water Technologies specializes in technological solutions, provides the complete range of services required to design, build, maintain and upgrade water and wastewater treatment facilities for industrial clients and public authorities.

Our portfolio of more than 350 technologies features everything from online diagnostic solutions to evaporation and crystallization, energy-producing sludge treatment, state-of-the-art desalination, laboratory-grade water and mobile water services.

Our experts deliver the water treatment solutions that improve the quality of people’s lives in communities around the world. The performance of these installations depends on the creativity and commitment of our more than 9,000 employees.

One of our over 130 business units around the world is close to you to ensure you receive local service adapted to your culture and market needs.