Safe! On-site Chlorine Dioxide (ClO₂) generation

Chlorine Dioxide is an effective alternative disinfectant and oxidant that is economical and environmentally friendly. Chlorine Dioxide offers (compared to the mainly used Chlorine) a large range of advantages for the disinfection of drinking and process waters.

ProMinent Bello Zon® Generators afford reliable and maintenance-reduced production and metering of chlorine dioxide under highest safety standards. Optimally tuned systems for water disinfection can be designed with Dulcometer®/Dulcotest® analyzers for corresponding measurement or control technology.

Features and benefits

- More than 30 years experience with ClO₂
- More than 5000 units installed globally!
- Safe, on-site generation: No need to store or transport dangerous chemical disinfectants!
- Proven two-chemical design: Hydrochloric acid and Sodium chlorite - chlorine free
- Flow proportional generation allows operator to dial in required feed rate in ppm
- New PVDF Reactor
- Motorized Pump Stroke Length
- Safety features provide automatic generator shutdown upon alarm condition
- Intergrated PID Control
- Data Logger and Screen Recorder
- Direct Monitoring of ClO₂ and Chlorite

Applications

- Disinfection
- Odor removal
- Municipal drinking water
- Legionella control
- Industrial wastewater treatment
- Metal oxidation
- Bottle Washing
- CIP Systems
- Cooling Towers
- Vegetable and Fruit Washing
### Chlorine Dioxide Capacity data

#### CDV Models

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity (Lbs/day)</th>
<th>Max (psi)</th>
<th>Chemical Usage (gal/day)</th>
<th>Temp (ºF)</th>
<th>Dimensions (HxWxD)</th>
<th>Weight (lbs)</th>
<th>Voltage</th>
<th>Current Draw (amps)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDVc 20</td>
<td>1.1</td>
<td>116</td>
<td>2.4</td>
<td>50-104</td>
<td>53&quot;x40&quot;x8&quot;</td>
<td>57</td>
<td>115</td>
<td>1</td>
</tr>
<tr>
<td>CDVc 45</td>
<td>2.3</td>
<td>116</td>
<td>7.3</td>
<td>50-104</td>
<td>53&quot;x40&quot;x8&quot;</td>
<td>59</td>
<td>115</td>
<td>1</td>
</tr>
<tr>
<td>CDVc 120</td>
<td>7</td>
<td>116</td>
<td>21</td>
<td>50-104</td>
<td>53&quot;x40&quot;x8&quot;</td>
<td>62</td>
<td>115</td>
<td>1</td>
</tr>
<tr>
<td>CDVc 240</td>
<td>13</td>
<td>116</td>
<td>36</td>
<td>50-104</td>
<td>53&quot;x39&quot;x10&quot;</td>
<td>99</td>
<td>115</td>
<td>1.2</td>
</tr>
<tr>
<td>CDVc 600</td>
<td>32</td>
<td>116</td>
<td>95</td>
<td>60-104</td>
<td>67&quot;x47&quot;x11&quot;</td>
<td>165</td>
<td>115</td>
<td>1.4</td>
</tr>
<tr>
<td>CDVc 2000</td>
<td>106</td>
<td>73</td>
<td>317</td>
<td>60-104</td>
<td>75&quot;x55&quot;x15&quot;</td>
<td>264</td>
<td>115</td>
<td>3.2</td>
</tr>
</tbody>
</table>

#### CDK Models

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity (Lbs/day)</th>
<th>Max (psi)</th>
<th>Chemical Usage (gal/day)</th>
<th>Temp (ºF)</th>
<th>Dimensions (HxWxD)</th>
<th>Weight (lbs)</th>
<th>Voltage</th>
<th>Current Draw (amps)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDKa 150</td>
<td>8</td>
<td>145</td>
<td>6.3</td>
<td>50-104</td>
<td>53&quot;x37&quot;x15&quot;</td>
<td>132</td>
<td>115</td>
<td>9.5</td>
</tr>
<tr>
<td>CDKa 420</td>
<td>23</td>
<td>116</td>
<td>18.4</td>
<td>60-104</td>
<td>53&quot;x37&quot;x15&quot;</td>
<td>136</td>
<td>115</td>
<td>5.1</td>
</tr>
<tr>
<td>CDKa 750</td>
<td>40</td>
<td>116</td>
<td>32</td>
<td>60-104</td>
<td>64&quot;x44&quot;x16&quot;</td>
<td>181</td>
<td>115</td>
<td>13.8</td>
</tr>
<tr>
<td>CDKa 1500</td>
<td>79</td>
<td>102</td>
<td>63</td>
<td>60-104</td>
<td>73&quot;x52&quot;x17&quot;</td>
<td>298</td>
<td>115</td>
<td>12.8</td>
</tr>
<tr>
<td>CDKa 6000</td>
<td>312</td>
<td>29</td>
<td>247</td>
<td>60-104</td>
<td>120&quot;x60&quot;x19&quot;</td>
<td>924</td>
<td>115</td>
<td>6.7</td>
</tr>
<tr>
<td>CDKa 10000</td>
<td>519</td>
<td>29</td>
<td>418</td>
<td>60-104</td>
<td>120&quot;x60&quot;x19&quot;</td>
<td>990</td>
<td>115</td>
<td>6.7</td>
</tr>
</tbody>
</table>

### Designs to Fit Your Application

**BelloZon CDVc 20-240**
- Precursors: 9% HCl and 7.5% Sodium Chlorite
- Capacity Range: 0.25 lbs/day to 13 lbs/day

**BelloZon CDVc 600-2000**
- Precursors: 9% HCl and 7.5% Sodium Chlorite
- Capacity Range: 0.75 lbs/day to 105 lbs/day

**BelloZon CDKa**
- Precursors: 30-33% HCl and 25% Sodium Chlorite
- Capacity Range: 8 lbs/day to 518 lbs/day

---

ProMinent Fluid Controls Ltd. (Canada)
490 Southgate Drive,
Guelph, ON N1G 4P5
Tel: 1-888-709-9933 | (519) 836-5692
Fax: (519) 836-5226
eMail: sales@prominent.ca
www.prominent.ca

ProMinent Fluid Controls, Inc. (US)
136 Industry Drive,
Pittsburgh, PA 15275-1014
Tel: (412) 787-2484
Fax: (412) 787-0704
eMail: sales@prominent.us
www.prominent.us