Disinfection with Chlorine Dioxide

Generating high efficiency yields between 90 - 95%

Description

Chlorine dioxide is an extremely reactive gas that - being unstable and not storable - must be generated in on-site generating plants. 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 thus be designed with DULCOMETER® /DULCOTEST® and the corresponding measuring and control technology.

Benefits

• More than 30 years of experience with Chlorine Dioxide
• More than 5000 units supplied Globally
• Applications include: Brewing, Fruit and Vegetable, Cooling Towers, Municipal Potable water, Hospitals
• Safety comes first!

Design Characteristics

• Proven two-chemical design: Hydrochloric Acid and Sodium Chlorite
• Produces Chlorine free ClO2 at 2% concentration.
• Acidic process to ensure Chlorite is reacted.
• Efficiency as high 92%
• Wall or trolley mountable
• Flow proportional generation allows operator to dial in required feed rate in ppm
• Safety features: flow switch on water line, level switches in tanks, flow monitors for each pump, air purging of mixing chamber, color coding of equipment
• All alarms shut down the generation process
Technical Data: gamma/L

CDV Models

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity (Lbs/day)</th>
<th>Max (psi)</th>
<th>Chemical Usage (gal)</th>
<th>Temp (F)</th>
<th>Dimensions (HxWxD)</th>
<th>Weight (lbs)</th>
<th>Current Draw (amps)</th>
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<tr>
<td>CDV15</td>
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<td>2.43</td>
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CDK Models

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<th>Chemical Usage (gal)</th>
<th>Temp (F)</th>
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Legio Zon Model

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<td>50-104</td>
<td>30&quot;x30&quot;x12&quot;</td>
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Designs

BelloZon CDVb 15-20
Precursors: 9% HCl and 7.5% Sodium Chlorite
Capacity Range: 0.25 lbs/day
Dimensions: 30"H x 30"W x 12"D

BelloZon CDVb 220-600
Precursors: 9% HCl and 7.5% Sodium Chlorite
Capacity Range: 0.75 lbs/day to 105 lbs/day
Dimensions: 44"H x 37"W to 72"H x 52"W

BelloZon CDKa
Precursors: 30-33% HCl and 25% Sodium Chlorite
Capacity Range: 8 lbs/day to 518 lbs/day
Dimensions: 53"H x 38"W to 10'H x 5'W

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www.prominent.us
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