Bello Zon CDLb H₂SO₄

Chlorine dioxide disinfection without corrosion

Features & Benefits
• 8 – 89 g/h chlorine dioxide generation
• Minimum potential for corrosion due to low chloride concentration
• Ideally suited for circulation systems
• System capable of providing several points of injection
• Batch production of ClO₂ possible
• Outstanding operating safety and reliability, thanks to intrinsically safe process control

Applications
• Tunnel pasteurizer
• Bottle cleaning
• Belt-based lubrication
• CIP
• Cooling water treatment

An extremely low-chloride chlorine dioxide solution is produced from sodium chlorite and sulfuric acid. The low-chloride ClO₂ solution is suited for disinfection applications in stainless steel environments such as tunnel pasteurizers, autoclaves and belt-based lubrication systems. The concentration of the manufactured chlorine dioxide solution remains stable in storage over long periods. The chlorine dioxide solution is buffered in an integrated or external storage module at a concentration of 1,500 mg/l.
The broad-based product range of metering pumps and control variants can be used to run several points of injection with chlorine dioxide from a storage module. The closed gas circuit prevents chlorine dioxide from being able to escape from the system, guaranteeing economical and environmentally friendly operation with minimal use of chemicals.
# Bello Zon CDLb $\text{H}_2\text{SO}_4$

## Technical Data

### Capacity Data

<table>
<thead>
<tr>
<th>Generation capacity</th>
<th>Operating temperature</th>
<th>Solution concentration</th>
<th>Capacity</th>
<th>Dimensions H x W x D</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>g/h</td>
<td>°F</td>
<td>°C</td>
<td>mg/l</td>
<td>GPH</td>
<td>(l/h)</td>
</tr>
<tr>
<td>8</td>
<td>50 - 104 (10 - 40)</td>
<td>1,500</td>
<td>2.1</td>
<td>(8)</td>
<td>48.6 x 34.6 x 12.0</td>
</tr>
<tr>
<td>16</td>
<td>50 - 104 (10 - 40)</td>
<td>1,500</td>
<td>3.4</td>
<td>(13)</td>
<td>48.6 x 34.6 x 12.0</td>
</tr>
<tr>
<td>41</td>
<td>50 - 104 (10 - 40)</td>
<td>1,500</td>
<td>7.9</td>
<td>(30)</td>
<td>61.0 x 31.5 x 13.6</td>
</tr>
<tr>
<td>89</td>
<td>50 - 104 (10 - 40)</td>
<td>1,500</td>
<td>*</td>
<td>*</td>
<td>51.8 x 34.6 x 16.7</td>
</tr>
</tbody>
</table>

* With external storage module and separate metering pump(s)

### Power supply:

100-230 V, 50/60 Hz

### Inputs:

2 freely configurable digital inputs for the pause functions, high metering, shock dosing, or manual metering, including collective malfunction
4 digital inputs for monitoring (Warning/ empty message) from the chemical supply
1 digital input for contact water meter 0.25-20 Hz
1 frequency input for water meter 10-10,000 Hz

### Outputs:

1 operating signal relay
1 alarm signal relay
1 warning signal relay
1 voltage output +5 V as supply voltage for a water meter with Hall sensor

### Pre-cursor Chemicals:

Sodium chlorite 7.5%
Sulfuric acid 25%
Potable water

Contact ProMinent Inside Sales for yearly maintenance kits.