**Dulcodes A UV System**

**Dulcodes A UV systems** are ideal for the photochemical decomposition of combined chlorine (inorganic chloramines) in the treatment of swimming pool water. Chlorine-resistant germs, especially cryptosporidium are reliably inactivated. Special medium pressure UV lamps generate intense polychromatic UV light to reduce the strong odor producing and eye irritating substances. The result is an improved quality of water for healthy and pleasant swimming.

**Features**

- Specific systems validated to meet a minimum 3.0 Log Cryptosporidium inactivation required by the Model Aquatic Health Code (MAHC) and 40 mJ/cm² MS2 RED per New York State Department of Health (NSDOH)
- Flow: up to 4592 gpm
- Large graphical display for displaying the time dependency of the UV sensor signal with trend indication.
- Electronic power supplies with automatic set point control to ensure maximum efficiency at lowest power usage.
- 8000 hours lamp warranty
- PLC freely programmable control, e.g. for recirculation pump interlock, flushing or circulation bypass, warning and shutdown procedures
- Remote interface and control with DCM 512 and combined chlorine measurement. Additional warranty offered when utilized with ProMinent Chemical Controllers
- Minimum space requirement and highest level of installation flexibility due to free choice of mounting orientation
- Maintenance-friendly, single-end lamp connection and service access allows lamp to be changed out in 5 minutes.
- Nitrogen trichloride test kit option available
- Color display of operational status visible up to 100 feet from screen
- Reaction chamber from high quality stainless steel 316L (1.4404)
- Automatic cleaning system

**Benefits**

- The A unit utilizes multiple control points thus allowing for a disinfection setpoint and a chloramine setpoint. Up to 25% chemical savings when used with DCM502!
- NSF50 listed to NEW 2012 standard and 3rd party validated for Crypto 3.0 log inactivation
- Only UV systems on NSF site with Electronic lamp driver. NO Magnetic ballasts
- The A units can save up to 40% power versus a standard magnetic ballast
- Electronic ballasts can increase lamp life!
- The A plants are the only UV system on market with Tru-Vue viewing disc on chamber allowing viewing of UV lamp in operation
- The A plants have PLC based controls with color coded screens that give immediate notice of operation status of system
- 400 days of data logging, lamp power, UV intensity, faults, warnings
- Integrated heatsink inside of electrical lamp driver to maximize performance and longevity

**Applications**

- Spray pads
- Swimming pools
- Spray pads
- Zoos
- Aquariums
- Drinking water
**Dulcodes A UV System**

### Specifications

#### Technical Data

<table>
<thead>
<tr>
<th>Model</th>
<th>Part Number</th>
<th># of Lamps</th>
<th>Power Output Watts</th>
<th>Outdoor Pools GPM</th>
<th>Combined CL2 Max. GPM</th>
<th>Flange Size</th>
<th>Phase</th>
<th>Unit Voltage V</th>
<th>FLA Amps A</th>
<th>Chamber Weights lbs.</th>
<th>Cabinet Weights lbs.</th>
<th>Shipping Dimensions in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1X1A</td>
<td>7781581</td>
<td>1</td>
<td>1000</td>
<td>437</td>
<td>292</td>
<td>4&quot;</td>
<td>1</td>
<td>208/240</td>
<td>7.5/6.5</td>
<td>46/82</td>
<td>135</td>
<td>69.7&quot;x38.2&quot;x19.7&quot;</td>
</tr>
<tr>
<td>1X2A</td>
<td>7781582</td>
<td>1</td>
<td>2000</td>
<td>765</td>
<td>510</td>
<td>6&quot;</td>
<td>1</td>
<td>208/240</td>
<td>12/10</td>
<td>68/128</td>
<td>135</td>
<td>69.7&quot;x38.2&quot;x19.7&quot;</td>
</tr>
<tr>
<td>1X3A</td>
<td>7781583</td>
<td>1</td>
<td>3000</td>
<td>1531</td>
<td>1020</td>
<td>8&quot;</td>
<td>3</td>
<td>480</td>
<td>13</td>
<td>115/260</td>
<td>135</td>
<td>69.7&quot;x38.2&quot;x19.7&quot;</td>
</tr>
<tr>
<td>1X3A</td>
<td>7781584</td>
<td>1</td>
<td>3000</td>
<td>1531</td>
<td>1020</td>
<td>8&quot;</td>
<td>3</td>
<td>480</td>
<td>9</td>
<td>172/366</td>
<td>150</td>
<td>59.8&quot;x40.2&quot;x26.8&quot;</td>
</tr>
<tr>
<td>2X2A</td>
<td>7781585</td>
<td>2</td>
<td>4000</td>
<td>2041</td>
<td>1360</td>
<td>10&quot;</td>
<td>3</td>
<td>480/2040</td>
<td>14</td>
<td>172/366</td>
<td>150</td>
<td>59.8&quot;x40.2&quot;x26.8&quot;</td>
</tr>
<tr>
<td>2X2A</td>
<td>7781586</td>
<td>2</td>
<td>4000</td>
<td>2041</td>
<td>1360</td>
<td>10&quot;</td>
<td>3</td>
<td>480</td>
<td>14</td>
<td>172/366</td>
<td>150</td>
<td>59.8&quot;x40.2&quot;x26.8&quot;</td>
</tr>
<tr>
<td>2X3A</td>
<td>7781579</td>
<td>2</td>
<td>6000</td>
<td>3061</td>
<td>2041</td>
<td>12&quot;</td>
<td>3</td>
<td>480</td>
<td>14</td>
<td>172/366</td>
<td>150</td>
<td>59.8&quot;x40.2&quot;x26.8&quot;</td>
</tr>
<tr>
<td>2X3A</td>
<td>7781587</td>
<td>2</td>
<td>6000</td>
<td>3061</td>
<td>2041</td>
<td>10&quot;</td>
<td>3</td>
<td>480/2040</td>
<td>28/25</td>
<td>172/366</td>
<td>150</td>
<td>59.8&quot;x40.2&quot;x26.8&quot;</td>
</tr>
<tr>
<td>3X3A</td>
<td>7781588</td>
<td>3</td>
<td>9000</td>
<td>4592</td>
<td>3061</td>
<td>12&quot;</td>
<td>3</td>
<td>480</td>
<td>14</td>
<td>172/366</td>
<td>205</td>
<td>38.2&quot;x34.3&quot;x60.6&quot;</td>
</tr>
<tr>
<td>3X3A</td>
<td>7781589</td>
<td>3</td>
<td>9000</td>
<td>4592</td>
<td>3061</td>
<td>12&quot;</td>
<td>3</td>
<td>480/2040</td>
<td>28/25</td>
<td>172/366</td>
<td>205</td>
<td>38.2&quot;x34.3&quot;x60.6&quot;</td>
</tr>
</tbody>
</table>

*Note: Additional flange sizes available upon request based on flow range and pipe velocity.*

### Dimensional Drawings & Sizes

*Standard length is 29.5 ft., longer cables available upon request.*

**Dimensions**

<table>
<thead>
<tr>
<th>Model</th>
<th>Chamber</th>
<th>Cabinet</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>L1</td>
<td>L2</td>
</tr>
<tr>
<td>1X1A</td>
<td>27.5&quot;</td>
<td>13.7&quot;</td>
</tr>
<tr>
<td>1X2A</td>
<td>27.5&quot;</td>
<td>17.6&quot;</td>
</tr>
<tr>
<td>1X3A</td>
<td>31.5&quot;</td>
<td>21.5&quot;</td>
</tr>
<tr>
<td>2X2A</td>
<td>35.4&quot;</td>
<td>21.4&quot;</td>
</tr>
<tr>
<td>2X3A</td>
<td>35.4&quot;</td>
<td>21.4&quot;</td>
</tr>
<tr>
<td>3X3A</td>
<td>35.4&quot;</td>
<td>21.4&quot;</td>
</tr>
</tbody>
</table>

**Certifications:**

NSF50 (2012 standard); Annex H

Single Pass validation for Cryptosporidium

Electrical Certification: UL 508A, CSA C22.2 No. 14

---

ProMinent Fluid Controls, Inc.
136 Industry Drive • Pittsburgh, PA 15275 USA
(412) 787-2484 • Fax: (412) 787-0704
email: sales@prominent.us • www.prominent.us

© 2015 ProMinent Fluid Controls, Inc. All Rights Reserved.

PN: 7750505
Dulcodes_A_UV.indd rev5 01/22/2019