Dulcodes MP UV System

Inactivate Infectious Organisms and Destroy Chloramines!

**Dulcodes MP UV systems** are ideal for the destruction of combined chlorine in swimming pool water and the inactivation of chlorine resistant organisms like cryptosporidium. The result is improved quality of water for healthy, pleasant and safe swimming experience.

**Features & Benefits**

**Stay Safe**
- 3rd-Party Validated to MAHC 3-log Cryptosporidium requirement and the 400 J/m² MS2 RED per the New York State DOH
- Systems are EPA registered: EPA Est. 94453-CHK-1
- Chloramine reduction using dual-setpoint allows operation at both 600 J/m² and 400 J/m² dose as needed
- Electronic lamp drivers automatically adjust to changes in water clarity

**Stay in Control**
- Control display backlight is green when system operation is normal, yellow when in warning and red when in alarm
- Automatic wiper system with configurable actuation times
- Tru-Vue disk on chambers allow visual confirmation of lamps that are lit
- IIoT ready

**Stay Economical**
- Electronic lamp drivers run the lamps at lowest possible power level to save $$$ and improve lamp longevity
- Remote interface with DCM512 allows for automatic selection of UV dose based on real-time combined chlorine levels saving $$$
- Quick lamp change feature requires less labor

**Applications**
- Spray pads
- Swimming pools
- Spray pads
- Zoos
- Aquariums
- Drinking water

**Certifications**
- NSF50 (2012 standard); Annex H
- Single Pass validation for Cryptosporidium
- Electrical Certification: UL 508A, CSA C22.2 No. 14
### Technical Data

Lamp type: Vario-Flux medium pressure lamp  
Controller type: PLC  
Chamber Material: 316L Stainless Steel  
Permissible operating pressure: 150 psi  
Permissible ambient temperature: 41-104 °F  
Permissible water temperature: 37-160 °F  
Enclosure rating: NEMA 12 (NEMA4X cabinet with A/C available as an option)

<table>
<thead>
<tr>
<th>Model</th>
<th>Part Number</th>
<th># of Lamps</th>
<th>Power Output</th>
<th>GPM Max. @ 400 J/m² @95% UVT</th>
<th>GPM Max. @ 600 J/m² @95% UVT</th>
<th>Flange Size</th>
<th>Phase</th>
<th>Unit Voltage</th>
<th>FLA Amps</th>
<th>Chamber Weights</th>
<th>Cabinet Weights</th>
<th>Shipping Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1X1A</td>
<td>7781581</td>
<td>1</td>
<td>1000</td>
<td>368</td>
<td>245</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>2</td>
<td>2000</td>
<td>627</td>
<td>416</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>1191</td>
<td>794</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>1191</td>
<td>794</td>
<td>8&quot;</td>
<td>3</td>
<td>208/240</td>
<td>17/15</td>
<td>115/260</td>
<td>135</td>
<td>69.7&quot;x38.2&quot;x19.7&quot;</td>
</tr>
<tr>
<td>2X2A</td>
<td>7781585</td>
<td>2</td>
<td>4000</td>
<td>1588</td>
<td>1059</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>7781586</td>
<td>2</td>
<td>4000</td>
<td>1588</td>
<td>1059</td>
<td>8&quot;</td>
<td>3</td>
<td>208/240</td>
<td>20/17</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>2382</td>
<td>1588</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>7781587</td>
<td>2</td>
<td>6000</td>
<td>2382</td>
<td>1588</td>
<td>10&quot;</td>
<td>3</td>
<td>208/240</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>3573</td>
<td>2382</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>3573</td>
<td>2382</td>
<td>12&quot;</td>
<td>3</td>
<td>208/240</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>

UV System Flowrates Sized for 95% UVT

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

#### Drawings

![Dulcodes MP UV System Diagram](image-url)