ClearWater Tech
HDO3 Systems Brochure
2008

Call Clean Water Systems for more information
toll-free at 1-877-641-1839
HDO3 Dissolved Corona Discharge

**HDO3 DESCRIPTION**

The HDO3 (high dissolved ozone) systems are designed for efficient mass-transfer of ozone gas into solution. The systems are capable of achieving up to seven parts per million (ppm) of dissolved ozone and flow rates up to 150 gallons per minute (gpm). With three models to choose from, the HDO3 systems can meet the challenge of many water treatment needs.

**ALL HDO3 SYSTEMS FEATURE:**
- Turn-key & pre plumbed
- Stainless steel or powder coated steel construction
- Integrated dissolved ozone monitor
- Easy-to-read, panel-mounted instrumentation
- Adjustable ozone output to meet any demand
- Air-cooled stainless steel ozone reaction chambers

"What's different about this ozone system is not only its simplicity, but also the fact that ClearWater Tech stands behind it 500%.”

Thomas Shumsky, Dal Equipment, Inc., Philmont, N.Y.

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**TYPICAL APPLICATIONS**

- Laundry
- Hard Surface Cleaning
- Clean-In-Place (CIP) Systems
- Fruit & Vegetable Rinse Systems
- Bottled Water Plants
- Larger Volume Water Stores

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**OPTIONAL EQUIPMENT**

- Pressure reducer
- Ambient ozone monitor and alarm
- Catalytic ozone off-gas destruct

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**HDO3 Specifications Chart**

<table>
<thead>
<tr>
<th></th>
<th>HDO3 I</th>
<th>HDO3 II</th>
<th>HDO3 III</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPM @ 1 ppm dissolved ozone*</td>
<td>24.5 gpm (92.7 lpm)</td>
<td>59 gpm (223 lpm)</td>
<td>150 gpm (568 lpm)</td>
</tr>
<tr>
<td>GPM @ 3.5 ppm dissolved ozone*</td>
<td>7 gpm (26 lpm)</td>
<td>16 gpm (60 lpm)</td>
<td>50 gpm (189 lpm)</td>
</tr>
<tr>
<td>GPM @ 4.5 ppm dissolved ozone*</td>
<td>N/A</td>
<td>13 gpm (49 lpm)</td>
<td>30 gpm * (113 lpm)</td>
</tr>
<tr>
<td>Max flow rate through HDO3</td>
<td>8 gpm (30 lpm)</td>
<td>13 gpm (49 lpm)</td>
<td>13 gpm (49 lpm)</td>
</tr>
<tr>
<td>Electrical</td>
<td>120 V/60 Hz, 20 amps 240 V/60 Hz, 10 amps</td>
<td>120 V/60 Hz, 20 amps 240 V/60 Hz, 10 amps</td>
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</tr>
<tr>
<td>Water inlet connection</td>
<td>1 1/4&quot; mpt</td>
<td>1 1/4&quot; mpt</td>
<td>1 1/4&quot; mpt</td>
</tr>
<tr>
<td>Water outlet connection</td>
<td>1&quot; fpt</td>
<td>1&quot; fpt</td>
<td>1&quot; fpt</td>
</tr>
<tr>
<td>Height</td>
<td>66&quot;</td>
<td>66&quot;</td>
<td>66&quot;</td>
</tr>
<tr>
<td>Width</td>
<td>20&quot;</td>
<td>20&quot;</td>
<td>20&quot;</td>
</tr>
<tr>
<td>Depth</td>
<td>29&quot;</td>
<td>29&quot;</td>
<td>29&quot;</td>
</tr>
<tr>
<td>Weight</td>
<td>280 lbs</td>
<td>300 lbs</td>
<td>300 lbs</td>
</tr>
</tbody>
</table>

*Anticipated results obtained at 7.5 pH, 70 °F municipal water. Maximum inlet water pressure 20 lb. per square inch (psi).