The NeoTech Aqua Disinfection Series is specially designed to disinfect water and is an essential component in advanced oxidation processes.

These high-efficiency UV systems utilize NeoTech Aqua’s patented ReFleX™ chamber technology, reflecting over 99% of the 254nm UV generated. They are the highest efficiency, smallest footprint, and lowest operating cost UV systems in the water treatment industry.

With only one or two lamps, the NeoTech Aqua Disinfection Series provides users the most convenient and lowest cost service schedule of any low pressure or medium pressure UV systems today.

### Maximum UV Penetration

The NeoTech Disinfection Series provides users an unparalleled level of engineering sophistication by maximizing UV distribution in a patented 99% reflective chamber. This unique technical advantage also reduces the number of lamps and power requirements by up to 90% compared to standard UV systems.

### Minimal Maintenance and Service

The service and maintenance requirements for the NeoTech Disinfection Series are limited to three basic requirements:
- Lamp Replacement: No Tools Required
- UV Monitor: May be changed with a single screwdriver while the system is operating
- Cleaning: May be cleaned as needed in a CIP loop or manually brushed.

### Unparalledled Efficiency

The NeoTech Disinfection Series boasts the smallest footprint in its class. With as few as one-tenth as many bulbs compared to standard UV systems, it has the lowest operating cost and maintenance schedule in the field.

### Product Benefits

- 75% smaller footprint compared to standard UV systems
- May be mounted vertically or horizontally
- Up to four units may be controlled with a single micro-control box
- Built for 120V or 230V single phase power providing maximum flexibility
- No Flow, No Problem™ — guaranteed 60 minutes
- Water contact finish — Ra-15
- Controller — Remote
- Alarms, Remote Control, 4-20 mA output
- Real time dosimetry, 100% dosage assurance — with constant flow
- UV monitor is NIST traceable
- Sanitization in place — hot water or steam
- No-tool lamp change
- NSF Standard 50 certified
- Warranty one year parts and labor

### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Model</th>
<th>Flow Rate - gpm (m³/hr.)</th>
<th>95% UVT @ 40mJ/cm²</th>
<th>Number of High Output Amalgam Lamps</th>
<th>Lamp Life - Hours*</th>
<th>Operating Power - watts (includes control box)</th>
<th>Operating Pressure - psi (bar)</th>
<th>Dry Weight - pounds (kg)</th>
<th>Dimensions (L x H x D) - inches</th>
<th>Dimensions (L x H x D) - millimeters</th>
<th>Warranty</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEOTECH D222</td>
<td>30 (6.8)</td>
<td>38 (8.6)</td>
<td>1</td>
<td>9000</td>
<td>98</td>
<td>150 (13)</td>
<td>29.8 (13.5)</td>
<td>24.0 x 6.2 x 8.2</td>
<td>609 x 158 x 208</td>
<td>1 year</td>
</tr>
<tr>
<td>NEOTECH D228</td>
<td>38 (8.6)</td>
<td>65 (15)</td>
<td>1</td>
<td>9000</td>
<td>120</td>
<td>150 (13)</td>
<td>33 (19.0)</td>
<td>30.0 x 6.2 x 8.2</td>
<td>762 x 158 x 208</td>
<td></td>
</tr>
<tr>
<td>NEOTECH D238</td>
<td>100 (22.7)</td>
<td>138 (31.3)</td>
<td>1</td>
<td>9000</td>
<td>154</td>
<td>150 (13)</td>
<td>42 (19.1)</td>
<td>39.9 x 6.2 x 8.2</td>
<td>1014 x 158 x 208</td>
<td></td>
</tr>
<tr>
<td>NEOTECH D322</td>
<td>138 (31.3)</td>
<td>200 (45.4)</td>
<td>1</td>
<td>9000</td>
<td>98</td>
<td>150 (13)</td>
<td>37.8 (17.2)</td>
<td>23.2 x 7.4 x 9.0</td>
<td>590 x 189 x 230</td>
<td></td>
</tr>
<tr>
<td>NEOTECH D328</td>
<td>200 (45.4)</td>
<td>226 (51.3)</td>
<td>1</td>
<td>9000</td>
<td>120</td>
<td>150 (13)</td>
<td>43 (19.5)</td>
<td>30.1 x 7.4 x 9.0</td>
<td>765 x 189 x 230</td>
<td></td>
</tr>
<tr>
<td>NEOTECH D338</td>
<td>226 (51.3)</td>
<td>329 (74.7)</td>
<td>2</td>
<td>9000</td>
<td>120</td>
<td>150 (13)</td>
<td>51.4 (23.4)</td>
<td>40.1 x 7.4 x 9.0</td>
<td>1019 x 189 x 230</td>
<td></td>
</tr>
<tr>
<td>NEOTECH D428</td>
<td>329 (74.7)</td>
<td></td>
<td>2</td>
<td>9000</td>
<td>235</td>
<td>150 (13)</td>
<td>54.8 (24.9)</td>
<td>30.6 x 7.9 x 11.4</td>
<td>776 x 201 x 290</td>
<td></td>
</tr>
<tr>
<td>NEOTECH D438</td>
<td>329 (74.7)</td>
<td></td>
<td>2</td>
<td>9000</td>
<td>303</td>
<td>150 (13)</td>
<td>63 (28.6)</td>
<td>40.6 x 7.9 x 11.4</td>
<td>1030 x 201 x 290</td>
<td></td>
</tr>
</tbody>
</table>

* Lamp life is based on a maximum of one on/off cycle per day and room temperature water.

---

Disinfection, Ultrapure, AOP & Ozone Destruct
Pharmaceutical • Microelectronics • Medical • Remediation • Beverage
Commercial/Industrial • Pool/Spa • Waste Water • Drinking Water • AOP

Toll-Free 888.718.5040, ph: 858.571.6590, fx: 858.571.6596, Web: neotechaqua.com, info@neotechaqua.com