Efficient and cost effective, the Optima HX provides proven performance and technology in numerous application such as Food & Beverage, Life Sciences and Microelectronics.

Utilized for ozone destruction and disinfection, the Optima HX™ is not only cost effective, but proves to be a reliable, innovative and environmentally smart alternative.

**APPLICATIONS**
While disinfection is the most common application for ultraviolet (UV) technology in water treatment, ozone destruction is also used. Prior to point-of-use, the residual ozone needs to be destroyed to ensure the process water is not compromised. After considering the appropriate variables, a properly sized UV unit can be guaranteed to destroy the ozone to non-detectable limits, ensuring the integrity of the process and product.

**SAFE & EFFECTIVE**
UV does not ‘add’ anything to the water stream such as undesirable color, odor, chemicals, taste or flavor, nor does it generate harmful by-products. UV only imparts energy to the water stream in the form of ultraviolet light to inactivate micro-organisms or reduce chemical compounds present in the water.

For questions regarding your application needs, please contact your local Authorized Distributor or Aquafine Corporation for more information.
### Maximum Flow Rate

| Model: Optima HX™ | 02 ADS | 02 BDS | 02 CDS | 02 BDL | 02 DDS | 02 CDL | 02 DDL | 04 CDL | 06 CDL | 05 DDL | 06 DDL | 08 DDL | 08 EDL | 08 FDL | 08 GDL | 10 GDL | 12 GDL |
|-------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Disinfection (@94% UVT) GPM (M³/HR)* | 40 (9) | 60 (14) | 78 (18) | 90 (20) | 130 (30) | 175 (40) | 251 (57) | 335 (76) | 415 (94) | 500 (114) | 550 (125) | 670 (152) | 800 (182) | 925 (210) | 1100 (250) | 1300 (295) |
| Disinfection (@99% UVT) GPM (M³/HR)* | 45 (10) | 71 (16) | 90 (20) | 115 (26) | 150 (34) | 220 (50) | 300 (68) | 405 (92) | 520 (118) | 626 (142) | 700 (159) | 850 (193) | 1070 (243) | 1200 (273) | 1400 (318) | N/A |

### Disinfection (@99% UVT) GPM (M³/HR)*

- **Maximum Flow Rate**: 175 GPM (40 M³/HR) at 90% UVT
- **Number of UV Lamps (HX SE)**: 2, 4, 6, 5, 6, 8, 10, 12

### Electrical Requirements

- **Electrical Supply**: 120/240V/50-60Hz, Single Phase, 2 W + N
- **Oper. Power (Nominal Watts)**: 276, 360, 276, 360, 600, 840, 768, 840, 1116, 1380
- **Ballast Type**: Electronic

### Controller/Detector

- **UV Vision 2000 G400 Series**: N/A
- **Option for Remote (‘U’) Model Only**: Optional

### Lamp Status Indicator

- **Standard**: Optional

### Running Time Meter

- **Standard**: Optional

### Hand/Off/Auto (HOA)

- **Standard**: Optional

### 4-20mA Output Signal

- **Optional**: Standard

### Control Cabinet

- **CC System Rating**
  - C.S - UL Type 1, S.S. - UL Type 3R for Remote “U” Only
  - C.S - UL Type 1, S.S. - UL Type 3R

### Materials of Const. STD / “U”

- **Materials of Construction**: 304 S.S. / C.S., Optional 304 S.S

### Treatment Chamber

- **Materials of Construction**: 316L Stainless Steel
- **Internal Surface Finish**: Ra 32 (Ra 15 Optional)
- **Operating Temperature °F (°C)**
  - Water: 41° - 104° (5° - 40°)
  - Ambient Air: 34° - 104° (1° - 40°)
- **Max. Oper. Pressure PSI (BAR)**: 150 (10)
- **Inlet/Outlet Flange Inches (MM)**: 2 (50), 3 (80), 4 (102), 6 (150), 8 (200)
- **Hot Water Sanit. °F (°C)**
  - 170° (77°) Available with S.S. Comp. Nuts Only
- **Sanitary Fittings**: Optional

### Dimensions - For Reference Only

<table>
<thead>
<tr>
<th>Overall Dimensions Inches HXWXD</th>
<th>20.50 X 38.50 X 7</th>
<th>15 X 40 X 12</th>
<th>15 X 40 X 13.50</th>
<th>15 X 68 X 12</th>
<th>21.50 X 40 X 15.50</th>
<th>22 X 68 X 10</th>
<th>24 X 68 X 11</th>
<th>24 X 68 X 10</th>
<th>24 X 68 X 11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall Dimensions (MM) HXWXD</td>
<td>521 X 968 X 176</td>
<td>366 X 1010 X 300</td>
<td>366 X 1012 X 338</td>
<td>366 X 1017 X 368</td>
<td>540 X 1010 X 387</td>
<td>556 X 1017 X 254</td>
<td>607 X 1017 X 274</td>
<td>556 X 1721 X 254</td>
<td>610 X 1721 X 280</td>
</tr>
</tbody>
</table>

* Dose Level: 30 mJ/cm² after 9,000 hours of operation.