Efficient and cost effective, the Optima HX™ provides proven performance and technology for the Aquaculture, Food & Beverage, Life Sciences and Microelectronics industries.

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.

UV Technology

Aquafine ultraviolet (UV) systems are engineered to focus the power of UV light, utilizing specially designed Aquafine Colorguard™ UV technology is used throughout the world, in a wide array of applications, as an environmentally responsible way to disinfect and safeguard water against harmful microorganisms.

Safe & Effective

UV disinfection is a chemical-free process that adds nothing to the water except UV light. It provides rapid, effective inactivation of microorganisms through a physical process. When bacteria, viruses and protozoa are exposed to the germicidal wavelengths of UV light, they are rendered incapable of reproducing and infecting. No carcinogenic disinfection by-products are created, and no transportation, storage or handling of toxic or corrosive chemicals is necessary.

Guaranteed Performance and Support Services

All of our systems come with a lifetime disinfection guarantee. Customer support is available from our Authorized Distributor Network and from our 24/7 Technical Service Group.

For questions regarding your application needs, please contact your local Authorized Distributor or Aquafine for more information.
## OPTIMA HX™ SERIES // HIGH PERFORMANCE UV SYSTEMS

### MAXIMUM FLOW RATE

<table>
<thead>
<tr>
<th>Model: Optima HX</th>
<th>02 ADS</th>
<th>02 BDS</th>
<th>02 CDS</th>
<th>02 BDL</th>
<th>02DDS</th>
<th>02CDL</th>
<th>02DL</th>
<th>04 CDL</th>
<th>04 CDL</th>
<th>05 DDL</th>
<th>06 DDL</th>
<th>08 DDL</th>
<th>08 EDL</th>
<th>08 FDL</th>
<th>08 GDL</th>
<th>10 GDL</th>
<th>12 GDL</th>
<th>12 HDL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DISINFECTION (98% UVT)</strong></td>
<td>GPM [m³/hr]*</td>
<td></td>
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<tr>
<td><strong>Dose Level</strong></td>
<td>40</td>
<td>(9)</td>
<td>60</td>
<td>(14)</td>
<td>78</td>
<td>(18)</td>
<td>98</td>
<td>(20)</td>
<td>130</td>
<td>(30)</td>
<td>175</td>
<td>(40)</td>
<td>251</td>
<td>(57)</td>
<td>335</td>
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<tr>
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<td>71</td>
<td>(16)</td>
<td>90</td>
<td>(20)</td>
<td>115</td>
<td>(26)</td>
<td>150</td>
<td>(34)</td>
<td>220</td>
<td>(50)</td>
<td>300</td>
<td>(68)</td>
<td>405</td>
<td>(92)</td>
<td>520</td>
<td>(118)</td>
</tr>
</tbody>
</table>

### ELECTRICAL REQUIREMENTS

- **Electrical Supply**: 120/240V/50-60Hz, Single Phase, 2 W + GND

### CONTROLLER/DETECTOR

- **UV Temp. & Monitoring System**: N/A
- **Lamp Status Indicator**: Standard
- **Lamp Out Alert (LOA)**: Optional
- **Running Time Meter**: Standard
- **Hand/Off/Auto (H/O/A)**: NA
- **4-20mA Output Signal**: Optional

### CONTROL CABINET

- **CC System Rating**: C.S. - UL Type 1, S.S. - UL Type 3R for Remote "U" Only
- **Materials of Const. Std."U"**: 304 S.S. / C.S., Optional 304 S.S.

### TREATMENT CHAMBER

- **Materials of Construction**: 316L Stainless Steel
- **Internal Surface Finish**: Rs 32 (Rs 15 Optional)
- **Operating Temperature °F / °C**: Water: 49°-114° [5°-40°] Ambient Air: 34° - 104° [1° - 40°]
- **Max. Oper. Pressure PSI / BAR**: 150 (10)

### DIMENSIONS - FOR REFERENCE ONLY

- **Dose Level**: 30 mJ/cm² after 9,000 hours of operation. 1/8inotch/Outlet Flange inches [mm]: 10 [250] 1 1/8inotch/Outlet Flange inches [mm]: 12 [300]

## Distributed by:

**Serv-A-Pure Co.**
1101 Columbus Ave. • Bay City, MI 48708 • USA
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