HG500G

**DEMAND SIMPLICITY**

The Hyde GUARDIAN Gold™ Ballast Water Treatment system is an effective and reliable solution combining filtration with Ultraviolet (UV) disinfection.

HG500G Features:
- Smallest footprint on the market
- Optimized for liner service vessels
- Seven automatic modes of operation allowing one-touch operation
- Automatic backflushing filter uses inlet pressure for backflush to improve cleaning efficiency
- Operates independent of salinity, temperature or hold time
- Two-sided reactor to reduce space

What’s Included:
- Filter
- UV Chamber
- Control Panel
- Power Panel
- Control valves
- Flow meter
- Air supply regulator

Options available:
- Skid mounting (includes interconnect piping and wiring)
- Hazardous Area certification available
- Remote panels
- Direct interface to ships automation
- Isokinetic Sample Port(s)
- Gravity operation

The HG500G assembly mounts all major components to ease installation and provide the most compact solution available.

<table>
<thead>
<tr>
<th>Technical Data</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Treatment Rated Capacity</td>
<td>500 m³/hr</td>
</tr>
<tr>
<td>Electrical Supply</td>
<td>380 – 690V · 50/60 Hz · 3 ph</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>36 kW Nominal · 50 kW max</td>
</tr>
<tr>
<td>Max. Operating Pressure</td>
<td>10 bar</td>
</tr>
<tr>
<td>Minimum Flow</td>
<td>50 m³/hr</td>
</tr>
<tr>
<td>Max. Operating Temperature</td>
<td>55 °C</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Size (L · W · H) (mm)</th>
<th>Weight (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skid (Complete Assembly)</td>
<td>2495 · 984 · 2378</td>
<td>1666</td>
</tr>
<tr>
<td>Filter</td>
<td>783 · 971 · 2054</td>
<td>620</td>
</tr>
<tr>
<td>UV Chamber</td>
<td>1207 · 1112 · 630</td>
<td>167</td>
</tr>
<tr>
<td>Control Panel</td>
<td>600 · 210 · 760</td>
<td>35</td>
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<tr>
<td>Power Panel</td>
<td>1206 · 406 · 1803</td>
<td>575</td>
</tr>
</tbody>
</table>

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