triogen® UV SPA offers an entry level commercial medium pressure UV system for pools, spas and water features. Simplified operating features provide a cost effective system without compromise to reliability, disinfection and improved water quality.

APPLICATIONS
- Private pools
- Water features
- Commercial pools

BENEFITS
- Safely lower free chlorine residual with effective disinfection including chlorine resistant micro-organisms
- Chloramine destruction reducing “red eye” and irritation of skin, eye and respiratory system
- Significant improvement in water clarity and air quality
- Helps to inhibit the growth of algae
- Savings in water, energy and chemical consumption
- Low capital and installation costs, with minimal service and plant room space required

MAIN FEATURES
- Polychromatic 8,000 hour medium pressure UV lamp system
- Advanced lamp efficiency
- Electropolished 316L stainless steel vessel
- Vessel and wetted parts available in titanium
- Quick release lamp powerhead and thimble assembly
- Wall mounted control panel with hours ran display
- Power and operation indicators
- CE certified, manufactured to ISO 9001 : 2015
- CF-LT model version available with reduced features

UV TECHNOLOGY
- Medium pressure polychromatic ultraviolet (UV) light is a highly effective means to inactivate bacteria and viruses, and will oxidise organic species in water.
- UV disinfection consists of a physical, chemical-free process, directly attacking the vital DNA of bacteria and microorganisms.
- Chlorine-resistant pathogens such as Cryptosporidium and Giardia are inactivated by UV light.
- UV reduces Chloramines by a variety of mechanisms.
- UV technology will easily enhance the disinfection the disinfection and oxidation of all types of pools and water features.
## TECHNICAL DATA

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Flow Rates(1)</th>
<th>Flow Rates(2)</th>
<th>Lamp Power</th>
<th>Supply Rating(*)</th>
<th>Inlet/outlet Connections</th>
<th>Maintenance Area</th>
<th>Control Panel Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>m³/h</td>
<td>US gpm</td>
<td>m³/h</td>
<td>US gpm</td>
<td>kW</td>
<td>V/ph/Hz</td>
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<td>65</td>
<td>22</td>
<td>97</td>
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<td>220-230/1/50</td>
<td>50/2&quot;</td>
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<td>110</td>
<td>37</td>
<td>165</td>
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<td>380-415/3/50</td>
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<td>380-415/3/50</td>
<td>100/4&quot;</td>
</tr>
</tbody>
</table>

(1) Flow rates based on a dose of 60mJ/cm² at 95% UVT, end of lamp life 8,000 hours based on 3 on/off cycles per day
(2) Flow rates based on a dose of 40mJ/cm² at 95% UVT, end of lamp life 8,000 hours based on 3 on/off cycles per day
(*) Electrical supply must be confirmed at time of order

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### QUALITY STANDARDS
- ISO 9001 : 2015
- CE Approved

### MATERIALS
- Reactor Vessel: 316L stainless steel
- Flanges: uPVC sub flanges with galvanised steel backing rings (BS table D or ANSI 150 flanges available)
- Lamp: high purity quartz
- Thimble: high purity quartz
- Panel: polyester coated mild steel

### OPTIONS
- 316L stainless steel strainer
- Water flow switch
- Titanium construction

### REMOTE CONTROLS AND SIGNALS
- 2 line LCD controller mounted to control panel, incorporating Lamp ON/OFF button and Lamp hours screen.
- Auto Lamp OFF function (at a pre-set time)
- Lamp current displayed
- System Control screen (switch between manual or remote)
- Reactor and Panel temperatures displayed
- Low & High current alarms can be set within the controller
- Lamp cooling screen (countdown to next start)

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### CONTACT
Triogen Limited
Unit 14 Langlands Place, East Kilbride G75 0YF
Scotland, United Kingdom
Tel: + 44 (0) 1355 220 598
Fax: + 44 (0) 1355 570 058
www.triogen.com
info@triogen.com

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