triogen® UV CF offers a high performance UV system for commercial pools, spas and water features with a range of options to meet operator budget, capabilities and needs. These certified systems provide advanced lamp and vessel efficiency with automatic and energy saving features for disinfection and improved water quality.

APPLICATIONS
- Commercial pools
- Hotel, club and private pools
- Water parks and water features

BENEFITS
- Safely lower free chlorine residual with effective disinfection including chlorine resistant micro-organisms
- Chloramine destruction reducing “red eye” and irritation of skin 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
- Systems can be sized for UV dose and UVT combinations to suit customer requirements
- Advanced lamp efficiency and automatic low power setting
- 316L stainless steel electro-polished or titanium vessel
- Automatic “Smartdrive” wiper system and UV monitor
- Quick release powerhead for easy lamp replacement
- Wall mounted touchscreen microprocessor control panel
- Data logging, BMS, Ethernet and Modbus communication ready
- CE marked, UL listed, NSF50 certified
- Manufactured to ISO 9001 : 2015

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 micro organisms.
- 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 and oxidation of all types of pools and water features.
### QUALITY STANDARDS
- ISO 9001 : 2015
- CE Approved
- UL Listed
- NSF50 certified (options available)

### MATERIALS
- Reactor Vessel: Electropolished 316L stainless steel, rated to 10Bar
- Flanges: BS EN1092 PN10, ANSI 150 or COMBI
- Lamp: high purity quartz
- Thimble: high purity quartz
- Panel: Polyester coated mild steel, IP54 protection

### TECHNICAL DATA

<table>
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<tr>
<th>MODEL</th>
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<th>Maintenance Area</th>
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<td>m³/h</td>
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OPTIONS
- IP panel rating and materials
- 316L stainless steel ancillaries
- Reactor vessel & wetted parts in titanium
- Systems can be sized for other UV dose and UVT combinations upon request

### REMOTE CONTROLS AND SIGNALS
- BMS, Modbus and Ethernet
- Local and remote:
  - Lamp on/off/low power control
  - Lamp on/off indication
  - Fault alarms
  - Lamp hours
  - Lamp change required
  - UV intensity
- Local:
  - UV intensity in W/m², mJ/cm² or % requires a 4-20 mA signal from a water flowrate measuring device (not supplied)
  - Languages options
  - Reactor temperature (°C or °F)
  - Panel temperature (°C or °F)
  - Real time clock with date
  - Data logging trends (lamp current, temperature, UV Intensity)

### CONTACT
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