

**triogen® UV CF-LT offers a high performance UV system for commercial pools, spas and water features with functions tailored to suit operator budget. 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 8000 hour medium pressure UV lamp system
- Advanced lamp efficiency and automatic low power setting function
- 316L stainless steel electro-polished or titanium vessel
- Manual wiper system
- Quick release powerhead for easy lamp replacement
- Wall mounted control panel with hours ran display
- CE marked
- 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 the 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



TECHNICAL DATA MODEL	Flow Rates <sup>(1)</sup>		Flow Rates <sup>(2)</sup>		Lamp Power	Supply Rating <sup>(*)</sup>	Inlet/outlet Connections	Maintenance Area	Control Panel Dimensions
	m³/h	US gpm	m³/h	US gpm	kW	V/ph/Hz	mm/inches	mm (LxWxH)	mm (LxWxH)
CF-LT 20	20	88	30	132	1.0	220/1/60 230/1/50	75/3"	250x895x385	600x200x600
CF-LT 40	40	176	60	264	1.0		100/4"	740x975x530	
CF-LT 70	70	308	105	462	1.5			900x1175x620	
CF-LT 105	105	462	157	691	2.0	OPTIONS 380/3/50-60 400/3/50 415/3/50 480/3/60	150/6"	820x1375x620	
CF-LT 145	145	638	217	955	2.5		200/8"	820x1265x620	
CF-LT 170	170	748	255	1122	3.0			890x1465x720	
CF-LT 220	220	968	330	1453	2 x 2.0 = 4.0		Other voltages on request	250/10"	890x1465x720
CF-LT 300	300	1320	450	1981	2 x 2.5 = 5.0				
CF-LT 355	355	1563	532	2342	2 x 3.0 = 6.0				
CF-LT 415	415	1827	622	2740	2 x 3.5 = 7.0				

(1) flow rates based on a dose of 60mJ/cm2 at 95% UVT end of lamp life 8000 hours based on max 3 on/off cycles per day

(2) flow rates based on a dose of 40mJ/cm2 at 95% UVT end of lamp life 8000 hours based on max 3 on/off cycles per day

(#) UV intensity in mJ/cm2 requires a 4-20mA signal from a water flowrate measuring device (not supplied)

(\*) Electrical supply must be confirmed at time of order

## QUALITY STANDARDS

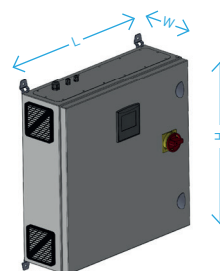
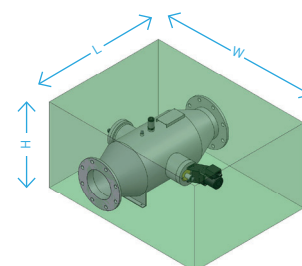
- ISO 9001 : 2015
- CE Approved

## MATERIALS

- Reactor Vessel: electropolished 316L stainless steel, rated to 10Bar (g)
- Flanges: BS EN1092 PN10, ANSI 150 or COMBI
- Lamp: high purity quartz
- Thimble: high purity quartz
- Panel: polyester coated mild steel, IP54 protection

## 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 and high current alarms can be set within the controller
- Alarm screen displays: Lamp High Current, Lamp RCD Trip, Lamp MCB Trip, Lamp Low Current, Reactor High Temp, Panel High Temp, Lamp Change Required, Pump Interlock.
- Lamp cooling screen (countdown to next start).



## OPTIONS

- IP panel rating and materials
- 316L stainless steel ancillaries
- Reactor vessel & wetted parts in titanium
- UV monitor with remote analogue output (0-10V 4-20mA)

## CONTACT

Triogen Limited  
Unit 14 Langlands Place, East Kilbride G75 0YF  
Scotland, United Kingdom  
Tel: + 44 (0) 13 55 220 598  
Fax: + 44 (0) 13 55 570 058  
[www.triogen.com](http://www.triogen.com)  
[info@triogen.com](mailto:info@triogen.com)



Your local distributor: