

trioen[®] UV LPVC low pressure UV system has been specifically designed as a cost effective unit for use in aquariums and salt water applications. The reactor body is manufactured in corrosion resistant uPVC material with internal 316L stainless steel liner.

APPLICATIONS

- Aquariums
- Aquaculture
- Salt water

BENEFITS

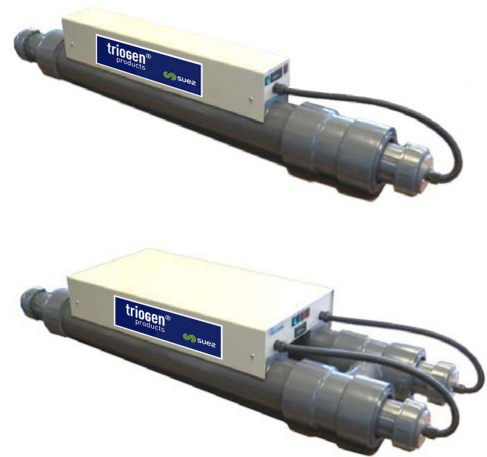
- Safely lower free chlorine residual with effective disinfection including chlorine resistant micro-organisms
- Improves algae control
- Savings in water, energy and chemical consumption
- Highly resistant to corrosion attack
- Simple to install and operate with minimal plant room space requirement
- Suitable for indoor and outdoor applications

MAIN FEATURES

- High intensity long life low pressure 16,000 hour UV lamps
- Reactor vessel constructed from uPVC.
- Internal 316L Stainless Steel reflector
- Quick release lamp power head & thimble assembly
- Lamp operation hours display
- Power and operation indicators
- Flow/pump interlock
- Easy to install in standard uPVC pipe work systems
- CE certified, manufactured to ISO 9001:2008

UV TECHNOLOGY

Low pressure ultraviolet light (UV) is highly effective at inactivating bacteria and viruses, as well as enhanced algae control. Ultraviolet disinfection consists of a physical, chemical-free process, attacking the vital DNA of the bacteria and micro organisms directly, including examples such as parasites, Cryptosporidium or Giardia, which are extremely resistant to chemical disinfectants. UV is recommended as a complementary protection against such chlorine resistant organisms, therefore for applications such as pools small background level of disinfectant should always be maintained. UV treatment is compatible with all other sanitisers, including chlorine, bromine, active oxygen, peroxide and copper based compounds, and allows for the levels of these to be significantly reduced.



TECHNICAL DATA MODEL	Flow Rates ⁽¹⁾		Flow Rates ⁽²⁾		Lamp Power	Supply Rating ⁽¹⁾	Inlet/outlet Connections	Maintenance Area	Control Panel Dimensions
	m ³ /h	US gpm	m ³ /h	US gpm	kW	V/ph/Hz	mm/inches	mm (LxWxH)	mm (LxWxH)
LPVC100-120-1	10	44	9	40	0.12	220-240V 1PH/50-60HZ	50/2	2350x200x350	N/A
LPVC100-120-2	20	88	18	80	0.24		50/2	2350x350x250	N/A

[1] flow rates based on a dose of 40mJ/cm² at 95% UVT end of lamp life 16000 hours based on max 3 on/off cycles per day

[2] flow rates based on a dose of 40mJ/cm² at 90% UVT end of lamp life 16000 hours based on max 3 on/off cycles per day

[*] Voltage requirements must be confirmed at order

QUALITY STANDARDS

- CE Approved
- ISO 9001:2008

MATERIALS

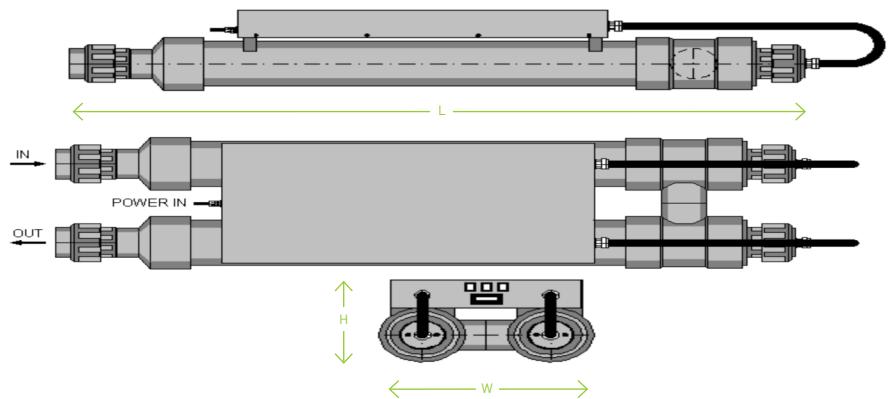
- Reactor material: UPVC
- Reactor internal: stainless steel
- Panel material: polyester coated mild steel
- Lamp material: high purity quartz
- Thimble material: high purity quartz

REMOTE CONTROLS AND SIGNALS

- Hours run meter
- Power/system on/off
- Switch indicators

OPTIONS

- 316L stainless steel ancillaries
- Water flow switch



CONTACT

SUEZ Purification & Disinfection Systems Ltd
 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
info@triogen.com

Your local distributor: