



Residential



# SLT-Series™

Protect your home water from pathogens and disease with the UV-Guard SLT-Series™

The SLT-Series is a cost effective and high performing UV water disinfection system. With 8 models in the range and options to allow indoor and outdoor installation, the SLT-Series is ideal for under sink, whole of house, swimming pool and pond clarification uses.

## Applications

- ✓ **Drinking Water Disinfection** – under the sink drinking water disinfection, safeguard your drinking water supplies from pathogens and disease.
- ✓ **Whole of House Water Disinfection** – ensure that your potable water supply is free from E.coli, Giardia and Cryptosporidium.
- ✓ **Pond Clarification** – protect your fish from disease, prevent algae growth and keep your pond crystal clear all year around.
- ✓ **Swimming Pool Treatment** – destroy bacteria and viruses, eliminate algae, reduce Chlorine use by 90% and create a safer environment for your family.
- ✓ Any other application where water disinfection is required.

## Benefits



- ✓ **No micro-organism is known to be immune to UV** – even the chlorine resistant Giardia and Cryptosporidium.
- ✓ **Economical and efficient operation** – disinfecting at the point of use, no contact time required.
- ✓ **No harmful by-products** – chemical free, no impact on taste and no corrosion problems.
- ✓ **No risk of overdosing** – reducing the risks associated with chemical overdosing.
- ✓ **Easy maintenance** – lamp can be replaced easily without interrupting water flow.
- ✓ **Proven performance and flexibility** – system designed according to application and project requirements.
- ✓ **Peace of mind** – power supplies show when lamp is in operation and audibly alerts any faults.

## Standard Features

- ✓ **High quality 316 grade stainless steel reactor** – ensures longevity of the system.\*
- ✓ **BSP threaded connections on same side** – for ease of connection to plumbing infrastructure.
- ✓ **Easy to install brackets** – chambers securely snap into position.
- ✓ **Lamp fail alarm** – alerts user and prevents untreated water from being consumed.
- ✓ **Innovative high output, low pressure UV lamps** – target UV dose is maintained throughout lamp life.
- ✓ **Pure fused quartz sleeves** – allows optimum penetration of UV light through to the water.
- ✓ **Lamps parallel to water flow** – water disinfected from chamber entry point to exit.



## Options

- ✓ **Basic indoor controller** – lamp on/off LEDs and lamp fail alarm. 
- ✓ **Digital indoor controller** – lamp on/off LEDs, lamp fail alarm, digital lamp life timer and volt free alarm contacts. 
- ✓ **Weatherproof PLC** – IP65 rated, lamp on/off LEDs, lamp fail alarm, digital lamp life timer, volt free alarm contacts and more. 
- ✓ **Thermal Relief Valves** – ensures UV lamp remains at optimal UV output temperature and protects lamp from overheating. 
- ✓ **Interlocking UV lamp device** – UV lamp cannot be in operation unless fully sealed within the UV reactor improving safety and eliminating UV exposure to users.

Model	Flow rate per UV Dose figure**		Connection	Lamp Power (W)	Dimensions (cm)
	40mJ/cm <sup>2</sup>	30mJ/cm <sup>2</sup>			
UVG SLT1	5 lpm	6 lpm	¼" male BSP	10	28l x 5.1w
UVG SLT2	9 lpm	12 lpm	¼" male BSP	14	39l x 6.3w
UVG SLT30	25 lpm	34 lpm	¾" male BSP	30	60l x 6.3w
UVG SLT40	35 lpm	46 lpm	1" male BSP	40	99l x 6.3w
UVG SLT75	70 lpm	92 lpm	1" male BSP	80	99l x 6.3w
UVG SLT80	106 lpm	141 lpm	2" male BSP	80	99l x 9w
UVG SLT125	160 lpm	212 lpm	2" male BSP	127	99l x 9w
UVG SLT172	216 lpm	288 lpm	2" male BSP	172	99l x 9w

\*SLT1 and SLT2 chambers are made from 304 stainless steel. \*\*Approximate flow rates calculated using 'UVCalc' software and are based on a UV transmittance (UVT) of 85% and a UV dose at the end of lamp life.