triogen® UV LPTS range has been especially designed for water deozonation and can be applied after the ozone generator. The units are internally finished to the highest standards as required for installation in ultra-pure water systems.

APPLICATIONS
• Ultrapure water for electronics, semiconductor and pharmaceutical industries.

MAIN FEATURES
• Protects ozone sensitive systems from oxidation damage
• Allows use of higher ozone concentrations in oxidation processes
• Simple lamp replacement reduces system downtime
• Simple to install and operate
• Exceptional lamp life of 16,000 hours

UV TECHNOLOGY
The UV dose (UV intensity x contact time) defines the treatment efficiency which is provided by the unit. The effective dose applied in ozone destruction is between 120 and 140mJ/cm².

HOW IT WORKS
Lamps producing UV at a wavelength of 254nm will reduce the ozone concentration down to below the measurable limit of 0.005mg/l (5ppb), by transforming the Ozone (O₃) back to Oxygen (O₂). The UV system can be controlled so that they are only on when the water is being drawn from the circulation system. During other periods, e.g. overnight or over the weekend, the UV unit will be switched off allowing ozone to sanitise the complete network.
# TECHNICAL DATA

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Flow Rate (m³/h)</th>
<th>Total Lamp Power</th>
<th>Dimension (mm)</th>
<th>In-out (2)</th>
<th>Drain Connection (3)</th>
<th>Side Connection (3)</th>
<th>Control Panel Dimensions (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LPTS 150-50-1</td>
<td>10</td>
<td>200</td>
<td>W: 150 A: 122 B: 1100 C: 105</td>
<td>DN 50</td>
<td>DN 25</td>
<td>DN 40</td>
<td>400x600x210</td>
</tr>
<tr>
<td>LPTS 150-50-2</td>
<td>18</td>
<td>400</td>
<td>W: 150 A: 122 B: 1100 C: 105</td>
<td>DN 50</td>
<td>DN 25</td>
<td>DN 40</td>
<td>400x600x210</td>
</tr>
<tr>
<td>LPTS 150-75-3</td>
<td>26</td>
<td>600</td>
<td>W: 150 A: 122 B: 1100 C: 120</td>
<td>DN 80</td>
<td>DN 25</td>
<td>DN 40</td>
<td>400x600x210</td>
</tr>
<tr>
<td>LPTS 150-75-4</td>
<td>33</td>
<td>800</td>
<td>W: 150 A: 122 B: 120</td>
<td>DN 80</td>
<td>DN 25</td>
<td>DN 40</td>
<td>400x600x210</td>
</tr>
</tbody>
</table>

(1) Dose 120mJ/cm² at 98% UVT
(2) TRICLAMP BS4825 with ferrule
(3) TRICLAMP BS4825 with blank

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

## TECHNICAL FEATURES
- Connections: TRICLAMP BS4825
- Power supply: 220-240V/1ph/50-60Hz
- Panel rating: IP 54 (NEMA 12)
- Conformity: CE

## MATERIALS
- Reactor material: 316L stainless steel
- Reactor wetted surfaces: 0.35 μm + electropolish
- Lamp and sleeve material: high purity quartz
- Seal material: silicone
- Control panel material: 304 stainless steel

## REMOTE CONTROLS AND SIGNALS
- Digital inputs: lamp start stop, water flow interlock
- Digital outputs: system status, pre-alarm, system fault

## OPTIONS
- UV sensor

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## CONTACT

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