triogen® UV SLP offers a compact and high efficiency disinfection system for **drinking water applications.** These systems provide advanced lamp and vessel efficiency with a range of options including energy saving features, for disinfection and improved water quality.

**APPLICATIONS**
- Drinking water
- Potable water
- Bottled water

**BENEFITS**
- Safely control background levels of general bacteria
- Significant improvement in water clarity
- Simple control logic / easy to operate
- Low capital and installation costs, with minimal service and plant room space required
- Low service requirements

**MAIN FEATURES**
- Validated to DVGW drinking water standard
- High intensity long life 16,000 hour low pressure UV lamps
- Advanced lamp efficiency and low power setting function
- High germicidal efficiency “L” design reactor (in-line water inlet)
- 316L stainless steel vessel
- Automatic “Smartdrive” wiper system and UV monitor
- Quick release powerhead for easy lamp replacement
- Data logging, BMS, Ethernet and Modbus communication ready
- CE certified, manufactured to ISO 9001 : 2015

**UV TECHNOLOGY**
- Low pressure monochromatic ultraviolet (UV) light is 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, micro-organisms and parasites.
- UV technology will easily enhance the disinfection and oxidation of drinking water processes.
TECHNICAL DATA

MODEL

<table>
<thead>
<tr>
<th>Model</th>
<th>Flow Rates (1)</th>
<th>Flow Rates (2)</th>
<th>Lamp Power</th>
<th>Inlet/outlet Connections Sizes (mm)**</th>
<th>Maintenance Area</th>
<th>Control Panel Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLP250-150-2 DW</td>
<td>54</td>
<td>25.8</td>
<td>2 x 200W</td>
<td>X</td>
<td>3300x375x425</td>
<td>600x200x600</td>
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<td>SLP250-150-4 DW</td>
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<td>47</td>
<td>4 x 200W</td>
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<td>3300x375x425</td>
<td>600x200x600</td>
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<tr>
<td>SLP300-250-8 DW</td>
<td>187</td>
<td>118</td>
<td>8 x 200W</td>
<td>X</td>
<td>3300x425x500</td>
<td>800x200x800</td>
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<td>SLP400-350-12 DW</td>
<td>319</td>
<td>213</td>
<td>12 x 200W</td>
<td>X</td>
<td>3300x525x600</td>
<td>800x200x800</td>
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<tr>
<td>SLP600-400-20 DW</td>
<td>528</td>
<td>275</td>
<td>20 x 200W</td>
<td>X</td>
<td>4200x730x900</td>
<td>1000x200x800</td>
</tr>
</tbody>
</table>

(1) Flow rates based on a dose of 40mJ/cm² at 95% UVT end of lamp life 16,000 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 16,000 hours based on max 3 on/off cycles per day
(3) Standard electrical supply ranges 220-240V/1ph/50-60Hz. Supply must be confirmed with order.

QUALITY STANDARDS
- ISO 9001 : 2015
- DVGW validated
- CE Approved

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

OPTIONS
- Reactor vessel and wetted parts in titanium material
- IP panel rating and materials
- 316L stainless steel ancillaries

REMOTE CONTROL AND SIGNALS
- BMS connectivity with data logging
- Local and remote:
  * UV lamp on/off or fault
  * UV intensity in W/m², mJ/cm² or % requires a 4-20mA signal from a water flow rate measuring device (not supplied)
  * Fault alarms
  * Reactor / panel high temperature
  * MCB1 (RCD) Trip / Wiper motor MCB trip
  * Remote control on/off
  * Low power on
  * Lamp change required
- Local:
  * Manual wipe / Auto wipe
  * Lamp hours
  * Languages options
  * Spare parts guidance
  * Data logging trends (lamp current, temperature, UV Intensity)
- Power Down Option

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