

UV SYSTEMS DATA SHEET

CHAMBER

Material: 316 SS, Electropolished to Ra 15 Finish
 Welding Specification: Full welds, ground smooth
 Maximum Water Temperature: 80°C – Continuous
 Maximum Pressure: 5 Bar 75psi continuous
 Number of UV arc tubes: One medium pressure arc tube
 Number of Water Seals: One (one on each end)
 UV Monitor: Yes, w/4-20 mA output
 Drain/Vent: ¾ inch screw plug

CONTROL/POWER CABINET

Climate Conditions: Min 0°C Max 35°C (non condensing humidity)
 Cabinet: IP32 Epoxy Coated Carbon Steel - Special Weather Proofing to Order
 Input Voltage: 380 to 480 Volt. 50/60Hz
 Current Protection: Re-settable circuit breakers for incoming supply & full earth leakage protection on lamp supply circuit
 Temperature Sensor: Yes, with fail-safe shutdown/alarm as standard
 Lamp Interconnection Cable: Cable length to be specified at time of quotation – Max 15 meters
 Controller: PLC

Operational Features:

Remote Stop/Start terminals (voltage free circuit), Switch Remote/Off/Local, Sensor Cables 10m Std 15m Maximum

<u>Lamps</u>	<u>2.5kW</u>	<u>3.5kW up</u>	<u>Alarm Outputs</u>	<u>2.5kW</u>	<u>3.5kW up</u>
UV Lamp Operate	✓	✓	UV Dose Low	✓	
Water Temp High	✓	✓	Lamp Failure	✓	✓
Lamp Fail	✓	✓	Water Temp High		✓
UV Dose Low	✓	✓	Transformer Temp High		✓
Transformer Temp High		✓	System Operating		✓
Choke Temp High	✓		System Shut Alarm	✓	
Wiper in Operation (if fitted)	✓	✓			
Power		✓			

Screen Displays:

Percentage, hours run, and temperature etc

External Contacts:

4-20mA signals for UV dose and intensity plus volt-free outputs for ten status indicators

Options:

- Manual or automatic quartz sleeve wiper systems
- Data logging providing retrievable data on operations over 12 months using RS232 interface
- Dose related, microprocessor controlled, variable power output to arc tubes with status indication (3.5w up)
- Light Traps
- Strainers
- Chemical Wipery
- Manual or Automatic UV intensity monitor and sensor lamp



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