



Local control panel

Lamp power	1.0 kW	1.3 kW	1.5 kW	2.0 kW	2.5 kW	3.0 kW	3.5 kW	5.0 kW	7.3 kW
Power requirements									
Lamp power supply	Choke	Choke	Choke	Choke	Choke	Choke	ELC	ELC	ELC
Mains power	230 V	230 V	400 V	400 V	400 V	400 V	400 V	400 V	400 V
Phase + neutral + earth	1 Ph+N+E	1 Ph+N+E	3 Ph+N+E	3 Ph+N+E	3 Ph+N+E	3 Ph+N+E	3 Ph+N+E	3 Ph+N+E	3 Ph+N+E
Frequency	50 Hz						50/60 Hz		
Variable power	100% - 50% power in 1% steps						100% - 50% power		

Design features

Ingress protection	IP54
Operational temperature	Max working ambient temperature + 45 oC
Cabinet	Epoxy coated mild steel / forced air cooled (fan)
Standard colour	RAL 7035
Protection	Door locked isolator, earth leakage protection
Installation	Install in a dry and well ventilated area, out of direct sunlight

Advanced features

Design	Microprocessor
Interface	Soft touch push button with 4 line text display - suitable for gloved operation
Touch interface	7" Resistive touch screen HMI - full colour display - suitable for gloved operation
Control function	Boost (used for chlorine control) / low flow (used for filter backwash process) / valve control
Lamp information	Lamp running / lamp current / lamp hours run / lamp stikes / cause of lamp faults

Interfacing & operation

Analogue signals	Flow rate / UVT%
Standard alarms	Low UV dose / over temperature chamber / over temperature PSU / wiper fault / lamp failure / lamp hours
Power alarms	Ground fault / brownout recovery/ blackout recovery
Communication	Modbus / data stream (other fieldbus options available)
Operation	Local / remote or comms operation / UV dose set point / full/variable power
Process interlocks	Enables an external device (switch, pump, alarm etc) to stop the running of the UV lamps
Data logging	Data logging facility via the internet / SD card to record and monitor the performance of the UV system
Standard cable length	6 metres



Available upgrade options

Material upgrades	304 stainless steel / 316L stainless steel / painting
Design upgrades	WIMES 3.04 / ruggedized design / marine specification / offshore specification / ATEX hazardous area zones 1 & 2
Voltages	Available in other voltages
Power upgrades	Step-down transformer / step-up transformer
Frequency	Available in 60 Hz
Ingress protection	IP56 / IP65 / IP66
ATEX	Hazardous area - ATEX Zone 1 & 2 , temperature class T3, gas group IIC
Maximum cable length	Other cable lengths available on request
Additional	HVAC air-conditioning / form 2 / form 4 / additional alarm relays & contacts / panel colours

Typical layout for standard interface



Typical layout for touch interface

