



Elektravägen 53  
 SE-126 30 Hägersten, Sweden  
 +46 10 252 30 00  
 www.mellifiq.com

## 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
<b>Power requirements</b>									
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 °C
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





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**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 meters



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**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**

