

TRIOGEN

AQUARAY® SLP-WF

UV Systems



UV
DISINFECTION

LOW PRESSURE
HIGH OUTPUT

WATER
FEATURES

PONDS

← Applications

- Water Features
- Lakes
- Ponds
- Fountains

← Main characteristics

- Low Pressure High Output Amalgam Lamp
- "L" design reactor (in-line water inlet)



The Aquaray® SLP-WF range offers compact and high efficiency disinfection for small and medium size ponds or water features with a range of flowrates from 60 to 300 m³/h with exceptional reliability and ease of operation.

MAIN FEATURES

- High efficiency reactor with in-line water inlet
- Exceptional lamps average life time of 16,000 h
- User friendly operator interface microprocessor controlled
- Easy to install in new or existing water plants
- Optional automatic wiper system
- The reactor can be mounted horizontal or vertical

UV TECHNOLOGY: SLP-WF

The Aquaray®SLP-WF units provides a reliable protection against biological contaminants commonly found in pond or water features. The germicidal effect of the UV light inactivates most micro-organisms such as bacteria, viruses and parasites. UV is known to be particularly efficient to inactivate *Cryptosporidium Parvum* and *Giardia Lamblia*.

The UV dose (UV Intensity x contact time) defines the treatment efficiency which is provided by the unit. The effective dose applied depends on the UV transmittance of water to be treated as well as the proper hydraulic design of the unit.

HOW IT WORKS

The low pressure amalgam lamps are powered by electronic ballasts. The lamps are inserted in pure quartz thimbles isolating them from the water. The lamps can be easily changed when indicated by the micro-processor control unit.

A UV sensor is available as an option to monitor UV intensity. The periodic maintenance of the system has been made very easy by allowing the removal of the full lamp assembly.



TECHNICAL DATA

Aquaray® SLP Model	Flow Rate ⁽¹⁾		Total Lamp Power
	m ³ /h	gpm	W
SLP 200-100-2	60	410	0.400
SLP 200-150-3	90	615	0.600
SLP 250-150-4	140	820	0.800
SLP 250-200-6	200	1230	1.200
SLP 300-200-8	290	1640	1.600

(1) Based on 40 mJ/cm² UV dose at 95% UV transmittance

► Standards

- Flanges: BS, ANSI
- Reactor Pressure Rating: 10 barg
- Electrical: CE, EN
- Main Power Supply: 220-240V/1ph/50-60 Hz
- Panel Rating: IP54
- Conformity: CE

► Options

- Manual or automatic wiper
- Stainless steel panel
- UV sensor

► Materials

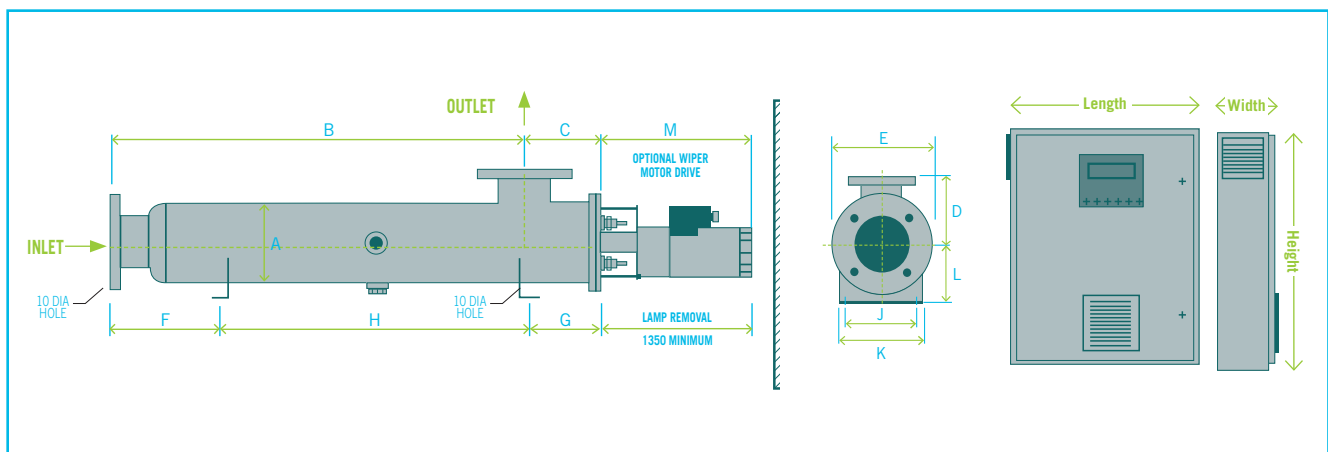
- Reactor Material: 316L stainless steel/quartz thimble/
silicon O-ring
- Panel Material: mild steel polyester powder coated

► Remote controls and signals

- Digital Inputs: lamp start-stop, water flow interlock
- Digital Outputs: system healthy, pre-alarm, system fault
- Analogue Output: remote indication of UV intensity

DIMENSIONS

Aquaray® SLP Model	Reactor (mm)												In-Out	Panel: l x h x w (mm)
	A	B	C	D	E	F	G	H	J	K	L	M	Inch	
SLP 200-100-2	200	1250	150	175	275	230	185	1000	170	200	150	300	4	400 x 600 x 200
SLP 200-150-3	200	1250	150	175	275	230	185	1000	170	200	150	300	6	600 x 600 x 200
SLP 250-150-4	250	1350	150	200	325	330	185	1000	220	250	175	300	6	600 x 600 x 200
SLP 250-200-6	250	1350	150	200	325	330	185	1000	220	250	175	300	8	600 x 600 x 200
SLP 300-200-8	300	1330	170	250	375	330	185	1000	270	300	200	300	8	600 x 800 x 200



Contacts

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