

TRIOGEN

AQUARAY® LP-WF

UV Systems



UV
DISINFECTION

LOW PRESSURE
HIGH OUTPUT

WATER FEATURES

PONDS

← Applications

- Water Features
- Ponds
- Fountains

← Main characteristics

- Low Pressure High Output Amalgam Lamp



The Aquaray® LP-WF range offers compact and high efficiency system for small ponds or water features with a range of flowrates from 10 to 40 m³/h with exceptional reliability and ease of operation.

MAIN FEATURES

- High efficiency low pressure lamp
- Easy to install in new or existing water plants
- The reactor can be mounted horizontal or vertical
- Lamps average life time of 16,000 h
- Small size suits installations with limited room space
- User friendly operator interface microprocessor controlled

UV TECHNOLOGY: LP-WF

The Aquaray® LP-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.

The periodic maintenance of the system has been made very easy by allowing the removal of the full lamp assembly.



TECHNICAL DATA

Aquaray® LP Model	Flow Rate ⁽¹⁾		Lamp Power
	m ³ /h	gpm	kW
UNIT			
LP 100-40-120-1	9	40	0.120
LP 150-50-120-1	11	48	0.120
LP 150-50-120-2	20	88	0.240
LP 150-75-120-3	30	132	0.360
LP 150-75-120-4	40	176	0.480

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

► Standards

- **Flanges:** BS 4504 (PN10) or AINSI 150
- **Reactor Pressure Rating:** 10 barg
- **Main Power Supply:** 220-240V/1ph/50-60 Hz
- **Panel Rating:** IP54
- **Conformity:** CE

► Materials

- **Reactor Material:** 316L stainless steel/quartz thimble/silicon O-ring
- **Panel Material:** mild steel epoxy painted

► Options

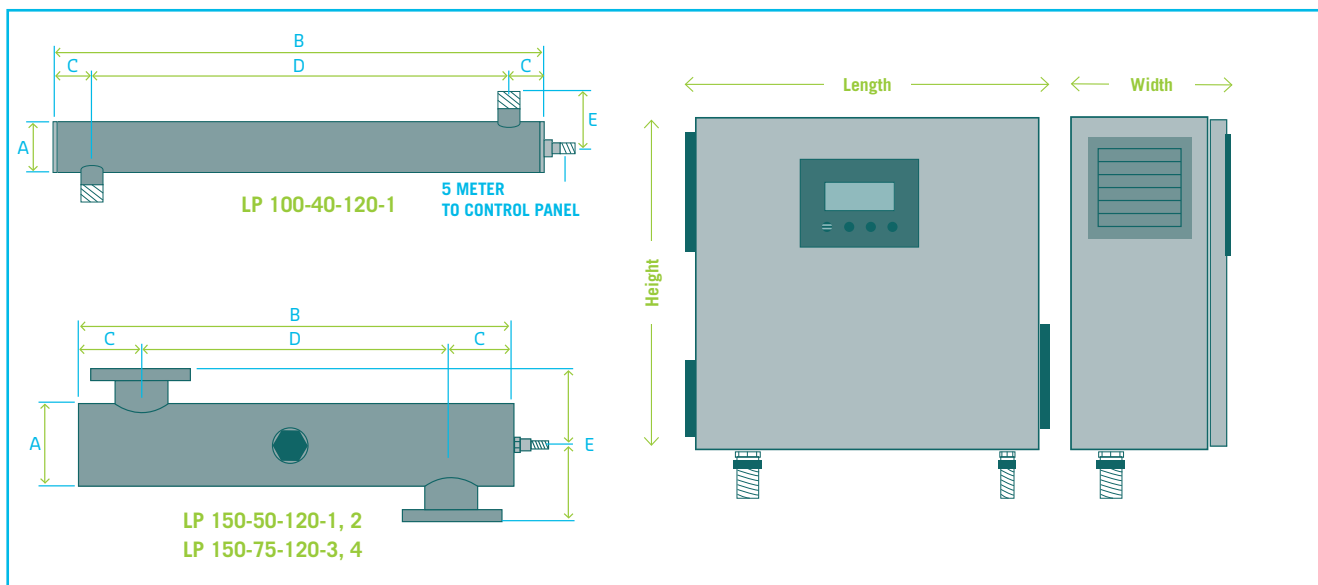
- **Stainless steel panel**
- **UV sensor (only LP150)**

► Remote controls and signal

- **Digital Inputs:** lamp start-stop, waterflow interlock
- **Digital Outputs:** system healthy, pre-alarm, system faults

DIMENSIONS

Aquaray® LP Model	Reactor Dimensions (mm)					In - Out	Panel: l x h x w
	A	B	C	D	E	inch	mm
LP 100-40-120-1	100	950	60	830	100	1" 1/2 BSP	300 x 300 x 150
LP 150-50-120-1	154	950	100	750	125	2"	400 x 600 x 200
LP 150-50-120-2	154	950	100	750	125	2"	400 x 600 x 200
LP 150-75-120-3	154	950	100	750	125	3"	400 x 600 x 200
LP 150-75-120-4	154	950	100	750	125	3"	400 x 600 x 200



Contacts

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