

**The Aquaray® LP range offers reliable UV disinfection for low flow applications in a compact footprint.**

### APPLICATIONS

- Drinking water
- Process water
- Aquaculture
- Deozonation
- Cooling water

### MAIN CHARACTERISTICS

- Low Pressure High Output Amalgam Lamp
- 314 Stainless Steel Vessel

### MAIN FEATURES

- Lamp life of 16,000 hours
- Horizontal or vertical reactor mounting
- Easy to install in new or existing installations
- Small size suits installations with limited space
- User friendly microprocessor controlled operator interface

### UV TECHNOLOGY : LP

The Aquaray® LP units have been designed to disinfect potable or process water. 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 unit's treatment efficiency. The effective dose depends on the UV transmittance of water to be treated and the hydraulic design of the unit.

### HOW IT WORKS

The low pressure amalgam lamps are powered by electronic ballasts. The lamps are inserted in quartz sleeves isolating them from the water. A UV sensor is available as an option to monitor UV radiation.



### PRODUCT HIGHLIGHTS

- > Lamp life of 16,000 hours
- > User friendly operator interface
- > Horizontal or vertical reactor installation

TECHNICAL DATA LP MODEL	Flow Rate <sup>(1)</sup> (gpm)	Lamp Power (kW)	Reactor Dimensions (in.)					In - Out	Control Panel: W x H x D (in.)
			A	B	C	D	E		
LP 100-40-120-1	40	0.120	3.9	37.4	2.3	32.6	3.9	DN 40	11.8 x 11.8 x 5.9
LP 150-50-120-1	48	0.120	6.0	37.4	3.9	29.5	4.9	DN 50	15.7 x 23.6 x 7.8
LP 150-50-120-2	88	0.240	6.0	37.4	3.9	29.5	4.9	DN 50	15.7 x 23.6 x 7.8
LP 150-75-120-3	132	0.360	6.0	37.4	3.9	29.5	4.9	DN 80	15.7 x 23.6 x 7.8
LP 150-75-120-4	176	0.480	6.0	37.4	3.9	29.5	4.9	DN 80	15.7 x 23.6 x 7.8

(1) Based on 40 mJ/cm<sup>2</sup> UV dose at 95% UV transmittance

## TECHNICAL FEATURES

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

## MATERIALS

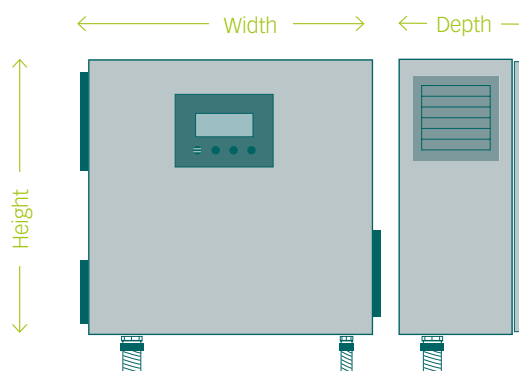
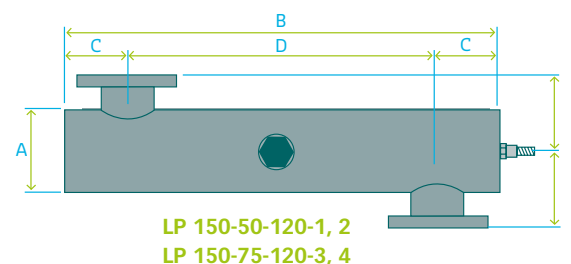
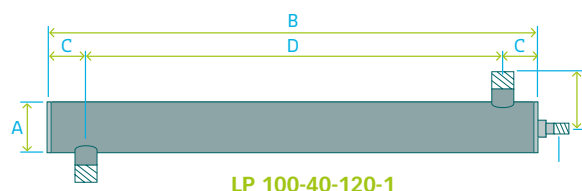
- Reactor material: 316L stainless steel/quartz sleeve / silicon O-ring
- Panel material: mild steel epoxy painted

## OPTIONS

- Stainless steel panel
- UV sensor (only LP 150)

## REMOTE CONTROL AND ALARMS

- Digital inputs: lamp start-stop, waterflow interlock
- Digital outputs: system status, pre-alarm, system faults



## CONTACTS

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