



HEADWORKS BIOLOGY SEPARATION MEMBRANE ▶ DISINFECTION BIOSOLIDS SYSTEMS				
UV DISINFECTION	LOW PRESSURE HIGH OUTPUT	DRINKING WATER	PROCESS WATER	<p>▶ Applications</p> <ul style="list-style-type: none"> - Drinking water - Process water - Aquaculture - Deozonation - Cooling tower <p>▶ Main characteristics</p> <ul style="list-style-type: none"> - Low Pressure High Output Amalgam Lamp



The Aquaray® LP range offers compact and high efficiency system for small water plant with a range of flow rates from 10 to 40 m³/h with exceptional reliability and ease of operation.

MAIN FEATURES

- High efficiency low pressure lamp amalgam
- Lamp life of 16,000 h
- Horizontal or vertical reactor mounting
- Easy to install in new or existing water plants
- Small size suits installations with limited room space
- User friendly operator interface microprocessor controlled

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 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 sleeves isolating them from the water.

The lamps can be easily changed when required. A UV sensor is available in option to monitor UV radiation.

TECHNICAL DATA

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

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

► Materials

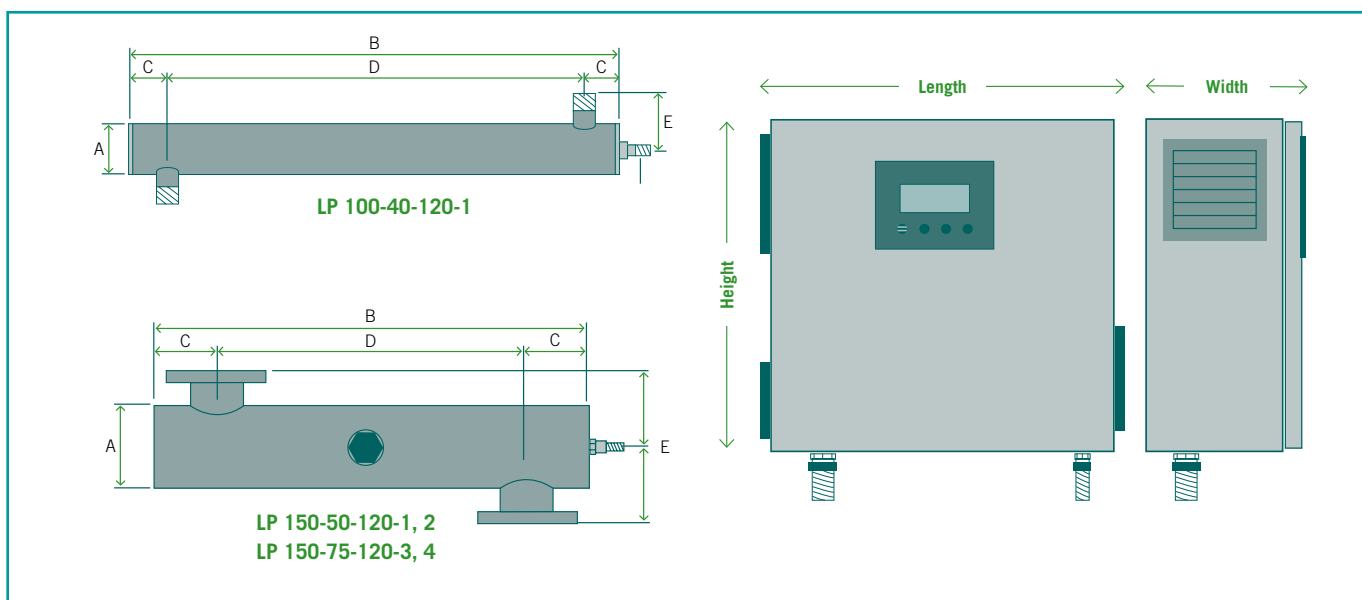
- **Reactor Material:** 316L stainless steel/quartz sleeve/
silicon O-ring
- **Panel Material:** mild steel epoxy painted

► Remote controls and signal

- **Digital Inputs:** lamp start-stop, waterflow interlock
- **Digital Outputs:** system status, 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



► Standards

- **Flanges:** BS 4504 (NP10) or
ANSI 150 drillings
- **Reactor Pressure Rating:** 10 barg
- **Electrical:** CE, EN
- **Main Power Supply:** 220-240V/1ph/50-60 Hz
- **Panel Rating:** IP54
- **Conformity:** CE

► Options

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



Contacts www.degremont-technologies.com

Degrémont Technologies - Triogen	• info-triogen@dgtec.com	• + 44 141 810 48 61
Degrémont Technologies - Ozonia - France	• info-ozoniaFR@degtec.com	• + 33 1 46 25 39 50
Degrémont Technologies - Ozonia - North America	• info-ozonia@degtec.com	• + 1 201 794 3100
Degrémont Technologies - Ozonia - Switzerland	• info-ozoniaCH@degtec.com	• + 41 44 801 8511
Degrémont Technologies - Ozonia - Russia	• info-ozoniaRU@degtec.com	• + 7 8314 166 256
Degrémont Technologies - Ozonia - Korea	• info-ozoniaKR@degtec.com	• + 82 31 7019036
Degrémont Technologies - China	• info-china@degtec.com	• + 86 10 6597 3860
Degrémont Technologies - Japan	• info-japan@degtec.com	• + 81 3 5444 6361

Your local distributor: