

UV sterilizers for wellness and pools application with flow rate up to 22 m³/hr. Equipped with low pressure vapour mercury lamps, enclosed in high quality quartz sleeves and managed by high efficiency electronic ballasts. It's controlled by **LCD** cabinet with optional sensor for monitoring UV irradiation performance and temperature of the water inside the chamber. Every sterilizers came with a male 1½" threaded I/O, and it can be linked to a flow switch to manage operations with flow of the water.

Main applications for this series are not only pools, where UV-C power reduces combine chlorine in the water and use of chemical substances, but also in wellness centre, whirlpool and biomedical process, where UV-C radiation eliminates bacteria and viruses in the water.

Pool series is available both in **AISI 316** stainless steel reactor or in **HDPE** reactor when electrolysis is used for disinfection, instead of chemical substance.

POOL SERIES

Max flow rate:	22 m³/hr - initial Dose 30 ml/cm²
UV lamp:	40/80W vapour mercury lamp, 9.000 hr lifespan
Form factor:	"C" chamber
Working position:	Vertical
Connection:	1 ½" threaded male
Drain:	½ Threaded male
Max working pressure:	9 bar (130 psi) for SS316 reactor 4 bar (58 psi) for HDPE reactor

LCD CONTROL UNIT

Type:	LCD UV³ cabinet "THE CUBE"
Dimension:	180 x 180 x 90 mm
Lamp control:	Lamp monitoring and lamp end of life Total hours count for plant and partial resettable lamps life count Change lamp counter
System features:	ON/OFF remote command Solenoid valve managing (powered relay 230 Vac) Water flow switch input signal
Alarm:	Lamp failure ; Lamp end of life Low UV radiation, High temperature (sensor only)
Relay:	Powered relay 230 Vac Free contact relay
Power supply:	230 Vac ± 10%
Protection degree:	IP 54
EMC compliance:	EN 55022; EN 61000-3-2; EN 61000-4; EN 61347-1/A; EN 61195 ; 2014/30/EU ; 2014/35/EU

OPTIONS

Reactor:	Irradiance and temperature sensor
	Flow switch for power on lamps with water flow



SS 316 reactor	Flow rate	I/O	Lamp	Dimension
L11-POOL	11,0 m ³ /hr – 48,4 GPM	1½"	1 x 40W	935 x 114 mm
L16-POOL	16,0 m ³ /hr – 70,4 GPM		1 x 80W	935 x 114 mm
L22-POOL	22,0 m ³ /hr – 96,9 GPM		2 x 80W	935 x 140 mm



HDPE reactor	Flow rate	I/O	Lamp	Dimension
HE L11-POOL	11,0 m ³ /hr – 48,4 GPM	1½"	1 x 40W	935 x 140 mm
HE L16-POOL	16,0 m ³ /hr – 70,4 GPM		1 x 80W	935 x 140 mm
HE L22-POOL	22,0 m ³ /hr – 96,9 GPM		2 x 80W	935 x 180 mm