LCD Series	LCD series	LCD
Total hour counter	Total hour meter	X
Red LED anomaly	Red LED fault	X
Clean contact NA/NC	No/Nc free contact	X
Contact 230V NA/NC max 2A	230V max 2A No/Nc free contact	X

SITA introduces a new series of UV systems specifically designed for small swimming pools.
Consisting of a steel collector and an electrical panel equipped with a system with digital control, the UV System LCD Pool are presented as simple and functional systems, ideal for obtaining better water quality in private swimming pools.

SITA presents a new series of UV systems specially designed for the swimming pools of small dimensions.
Made by a chamber in stainless steel and an electrical panel supplied with a system of digital control, the LCD pool UV system present themselves as simple and functional plants, ideal for obtaining a better quality of water in the swimming pools for private use.

POOL 18

POOL 34

FOR POOL ONLY
FOR POOL ONLY

LCD POOL

MODEL Pool UV LCD	UV LCD Pool Model	Pool 4 lcd	Pool 7 lcd	Pool 14 lcd	Pool18 lcd	Pool 34 lcd
Power supply	Electrical supply (W)			230V-50-60Hz		
Power consumption (W)	Electrical absorption (W)	40	40	80	80	160
Lamps	Lamps	1X40	1X40	1X40	1X80	2X80
UV dose (J/m2)	UV dose (J/m2)	250				
Max flow rate (L/min)	Max. flow rate (L/min)	67	115	235	300	565
Hydraulic fittings	IN-OUT connection	1 ½" M	2" M	2" M	2" M	2" M
Max pressure (bar)	Max. pressure (bar)			9		
Ambient temperature (°C)	Ambient temperature (°C)			2 - 40		
Collector material	Manifold material			Aisi 304 (Aisi 316 L on request)		
IN-OUT wheelbase (mm)	IN-OUT centres (mm)	745	735	735	725	744
Electrical panel size (mm)	Electrical panel dimensions (mm)			180X140X86		220X170X86

STANDARD: total hour meter, red anomaly LED, clean NO/NC contact, 230V - NO/NC contact (max. 2A)
On series: total hour-meter, fault red LED, NO/NC free contact, 230V (max 2A) - No/Nc free contact

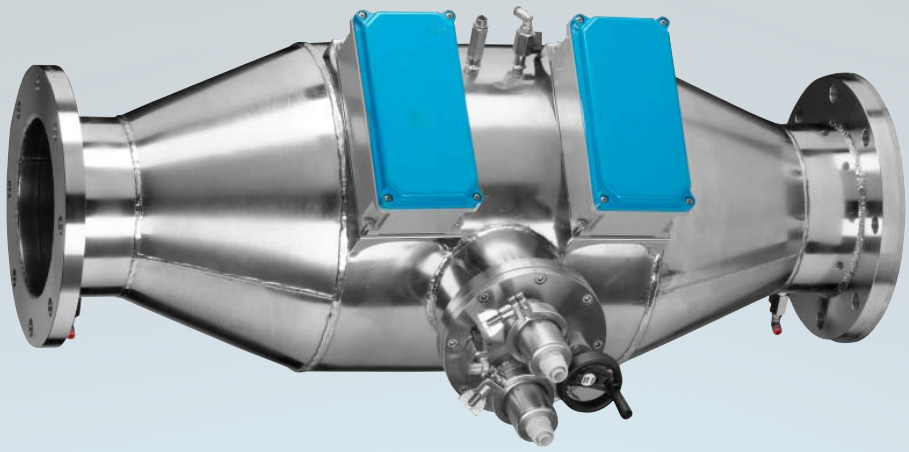
SITA medium pressure systems, given the greater power emitted by the lamps, can treat large water flows while maintaining modest dimensions.
If properly sized, the UV-C germicidal action is accompanied by the photochemical degradation effect. Ensuring their effectiveness with the use of a few lamps, SITA medium pressure systems find application where there is a need to treat even large volumes of water

(e.g. aqueducts, post-disinfection of waste water, etc.); furthermore, they are particularly suitable for applications in swimming pools as they reduce the high concentration of combined chlorine, the main cause of irritation and unpleasant odors. In the swimming sector, management analyses on SITA medium pressure systems have also highlighted an excellent cost/benefit ratio, attributable to the general improvement in the quality of bathing water and the achievement of very short payback times for purchase costs.

Due to the higher output from the lamps, SITA's medium pressure units are able to treat large water flow-rates, while remaining compact in size. When suitably sized for its germicidal action, UV-C also provides a photochemical degradation effect.
The efficiency of SITA medium pressure equipment is guaranteed with few lamps being used, and it is used for applications in which large volumes of water also have to be treated (eg water supplies, post-disinfection of waste water, etc.).
In addition, they are particularly suitable for swimming pool applications, since they reduce the high combined chlorine concentration, which is the major cause of irritation and unpleasant odors.
In the swimming field the management analysis on the SITA medium pressure systems have noted a very good cost/ benefits relationship, referable to the general improvement of the quality of swimming water and to obtaining very short amortization times of the purchase cost.

UV dose	***UV-Dosage***	> 800 J/m2(5000 hours) ***> 800 J/m2***
Collector material	***Manifold material***	AISI 316L Stainless Steel ***AISI 316L stainless steel***
Cleaning system	***Cleaning system***	manually operated rack ***Manually activated rack cleaning system***
Sample taking	***Samples taken***	outgoing /***at outlet***

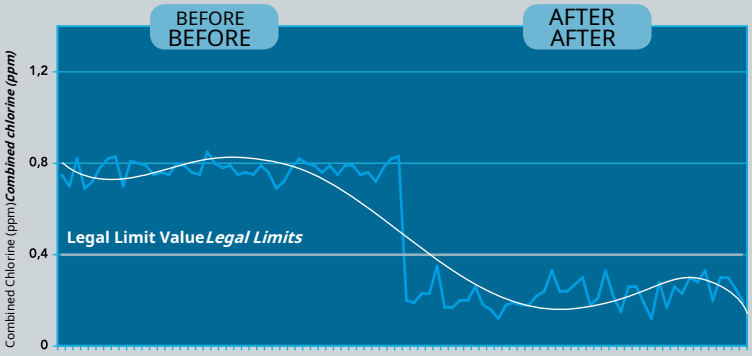
Data valid with: transmittance 99% - 1 cm, after 5,000 hours •***Data valid for: 99% - 1 cm transmittance after 5,000 hours***



SMP 70

OPTIONAL SMP SERIES	OPTIONALS OF SMP SERIES
Remote control system with telephone dialer	***Telecontrol system with telephonic controller***
Remote shutdown system (24V)	***Remote shutdown system (24V)***
Flow switch shutdown system	***Shutdown system by flowmeter***
Systems for higher flow rates	***Equipment for higher flow-rates***

		UV SMP 10	UV SMP 20	UV SMP 25	UV SMP 35	UV SMP 50	UV SMP 70	UV SMP 105	UV SMP 140
No. of lamps	***No. of lamps***	1	1	1	1	2	2	3	4
Flow rate m3/h	***Flow rate m3/h***	40	90	130	250	350	500	750	1200
IN/OUT standard (PN 10)	***Standard IN/OUT (PN 10)***	DN 80	DN 100	DN 150	DN 200	DN 200	DN 250	DN 300	DN 400



Monitoring carried out, for a period of 4 months with daily frequency, in a 600 m tank$_3$covered with a high flow of bathers. This result has been confirmed by numerous SITA installations in Italy and abroad

Monitoring carried out over a period of 4 months at daily intervals, at 600 m$_3$ covered pool, with a large number of swimmers. This result has been confirmed at numerous SITA installations both in Italy and abroad.

RACK PLUS-SMP	General operation control via programmable microprocessor	***Control of the general working by programmable micro-processor***
	Plant life counter	***Plant working hour meter***
	Resettable lamp life hour meter	***Resettable lamp working hour meter***
	Check that the lamps are working properly	***Check that the lamps are working properly***
	Temperature control inside the electrical panel	***Monitoring the temperature inside the electrical panel***
	Programmable multi-information display	***Programmable multi-function display***
	Memory block of the identification number of the failed lamp	***Memory blocking of the identity number of any faulty lamp***
	Clean contact NA/NC - NA/NC output 220 V - 5A max	***NA/NC free contact - 220 V NA/NC outlet - 5A max***
	RS port for PC connection	***RS port for PC connection***
	General magnetothermal switch	***General trip switch***
	Power supply***380/400V***	***Electrical supply 380/400V***
	Visual fault alarm	***Visual alarm for faults***
	Temperature and irradiance monitoring with preset alarm thresholds	***Monitoring of temperature and irradiation, with pre-set alarm thresholds***
	Automatic shutdown of the system due to high temperature of the panel / collector	***Automatic switching off of the system for high temperature of the panel / UV chamber***
ON REQUEST		***ON REQUEST***
	4-20mA output	***4-20mA outlet***
	Ö-Norm/DVGW approved radiation sensor	***Ö-Norm/DVGW approved irradiation sensor***