

UV System DULCODES MP

Perfect UV disinfection and effective reduction of combined chlorine in pool water



The UV system DULCODES MP eliminates combined chlorine and therefore the odour typically associated with swimming pools. Say goodbye to irritated eyes, nose and skin. Apart from improving the water quality, the low investment costs and high fresh water and energy consumption savings result in short payback times.

Technical Details

- System control and monitoring from any location using fieldbuses, such as Modbus IP, OPC-UA IP, BACnet IP or VNC connection, for complete access
- Additional energy savings thanks to Eco!Mode function. Timer for flexibly reducing the lamp power
- Manual or automatic wiper system for the efficient removal of scaling on the lamp protection tube
- temperature sensor for monitoring the water temperature in the reactor
- Compliance with DIN 19643 and recommended for use in swimming pools
- Optimised use of energy thanks to large radiation chamber and uniform irradiation of the entire water flow due to optimised system hydraulics
- Reactor made of high-grade stainless steel 1.4404/AISI316L
- Viewing window for easy visual inspection of lamp operation
- Long-term stable UV sensor for monitoring the lamp output, scaling on the lamp protection tube and fluctuating in water quality
- Guaranteed (pro rata) lamp service life of 8,000 hours
- Control cabinet made of coated steel



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Technical Data

Type	Max. flow rate m ³ /h	Lamp power W	Connected load kW	Radiation chamber length mm	Free space needed for maintenance mm	Empty weight/ Operating weight kg	Connector width DIN / ANSI
1x0.65 MP	20.0*/30**	650	0.75	500	335	21/31	DN 65/80
1x1 MP	58.0*/87**	1.000	1.10	700	400	31/47	DN 100/125 / 4"
1x2 MP	102.0*/153**	2.000	2.10	700	500	38/65	DN 125/150 / 6"
1x3 MP	205.0*/308**	3.000	3.20	800	600	52/118	DN 200/250 / 8"
2x2 MP	278.0*/417**	4.000	4.20	900	1000	78/166	DN 200/250 / 8"
2x3 MP	379.0*/568**	6.000	6.20	900	1000	78/166	DN 250 / 10"
3x3 MP	569.0*/853**	9.000	9.20	900	1000	78/166	DN 250/300 / 12"

* 95%/cm transmission; 600 J/m² irradiation intensity for the breakdown of combined chlorine

** 98%/cm transmission; 400 J/m² irradiation dose for disinfection applications

Lamp type	Powerline medium-pressure lamp
Control type	Comfort controller
Permissible operating pressure	10 bar or 6 bar *
Permissible ambient temperature	5...40 °C
Permissible water temperature	5...40 °C
Enclosure rating	IP54

* 10 bar for single-lamp systems 1x1 MP - 1x3 MP
6 bar for multi-lamp systems 2x2 MP - 3x3 MP