

# UV System Dulcodes MP

Effective solution for the treatment of swimming pool water – designed for the decomposition of combined chlorine.



## Flow up to 853 m<sup>3</sup>/h

The UV system Dulcodes MP is fitted with output-optimised medium-pressure lamps, which guarantee the efficient photochemical breakdown of combined chlorine in swimming pool water. The system is insensitive to the most adverse conditions in warm, humid plant rooms enriched by aggressive chemicals. The robust system technology remains completely unaffected by this.

Efficient cleaning of the lamp protection tubes during operation is possible with ease. The lamp protection tubes

can either be cleaned by a manual wiper or by the optionally extendible motor-driven automatic wiper.

The Dulcodes MP is a compact inline system. Thanks to its flexible flange options, the system can be used with ease for different nominal widths of circulation rate. The UV reactor is designed in such a way that no UV radiation can escape from the reactor. This means that the system can be installed directly in a plastic pipe. The free choice of the fitting position simplifies installation and retrofitting in the extreme.

## Your benefits

- Simple installation, thanks to the compact inline system, ensures minimum installation costs and fast retrofitting.
- Maximum flexibility when installing, thanks to free choice of the fitting position and direct installation in plastic pipes, as no UV radiation escapes from the reactor.
- Automatic switching on and off based on the chloramine value, for example used in conjunction with the DULCOMARIN® II.
- Unbeatably simple and quick maintenance: all maintenance work can be carried out quickly and conveniently from one side.
- Manual power control for optimum adaptation of the system to the respective capacity requirement (not for Dulcodes 1 x 0.65MP and 1MP).
- Manual or automatic wiper system for the efficient removal of deposits on the lamp protection tube. The wiper system can be easily retrofitted.

## Field of application

- Process water
- Swimming pool water

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## Technical Data

Type	Max. flow m <sup>3</sup> /h	Lamp power W	Connected load kW	Reactor length mm	Minimum clearance for service mm	Empty weight/ Operating weight kg	DIN connector DIN / ANSI
1x0,65MP	20.0* / 30**	650	0.75	500	335	21/31	DN 65/80
1x1MP	58.0* / 87**	1000	1.10	700	400	31/47	DN 100/125
1x2MP	102.0* / 153**	2000	2.10	700	500	38/65	DN 125/150
1x3MP	205.0* / 308**	3000	3.20	800	600	52/118	DN 200/250
2x2MP	278.0* / 417**	4000	4.20	900	1,000	78/166	DN 200/250
2x3MP	379.0* / 568**	6000	6.20	900	1,000	78/166	DN 250
3x3MP	569.0* / 853**	9000	9.20	900	1,000	78/166	DN 250/300

\* 98%/cm transmission; 600 J/m<sup>2</sup> irradiation intensity for the breakdown of combined chlorine

\*\* 98%/cm transmission; 400 J/m<sup>2</sup> irradiation dose for disinfection applications

Lamp type	Medium-pressure lamp Powerline
Controller type	Comfort controller
Permissible operating pressure	6 bar
Permissible ambient temperature	5 – 40 °C
Permissible water temperature	5 – 40 °C

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