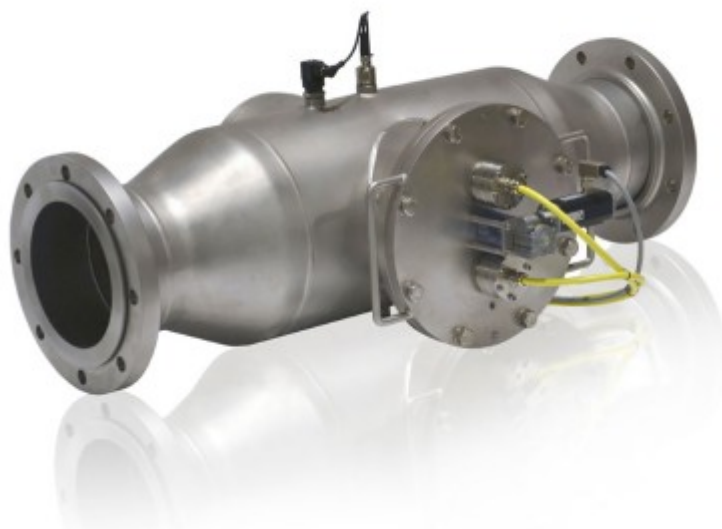


# UV System Dulcodes A

Perfect for the treatment of higher flows.



## Flow up to 809 m<sup>3</sup>/h

The UV system Dulcodes A has a compact design. Output-optimised medium pressure lamps ensure effective disinfection of potable water and the photochemical breakdown of oxidants and/or combined chlorine.

The system is fitted with electronic ballasts, which continuously adjust the lamp output, either via an external signal, such as the flow rate, or by specification of a setpoint.

A long-term stable UVC sensor ensures that the system operates safely and reliably. The motor-driven automatic wiper efficiently cleans the lamp protection tubes and minimises maintenance work with types of water that have a tendency to form films. After comprehensive certification and biosimetric validation, the systems comply with strict internationally recognised NSF, UL, CSA and USEPA standards.

## Your benefits

- Simple installation, thanks to the compact inline system, ensures minimal installation work and fast retrofitting
- Maximum flexibility with installation, thanks to the free choice of fitting position and direct installation in plastic pipes, as no UV radiation escapes from the reactor
- External power control via 0/4 - 20 mA standard signal for optimum adaptation of the system to changing operating conditions, such as flow fluctuations
- Automatic adjustment of the lamp output to a defined UV-C sensor signal with power increase to a raised, adjustable sensor signal via a digital input saves energy and extends the lamp service life.
- Unbeatably simple and quick maintenance: all maintenance work can be carried out quickly and conveniently from one side.
- Location-independent system monitoring in real time via the DULCOnneX platform: Improved process reliability. Reliability and transparency due to real-time monitoring, individual alarms and automated reports.

## Field of application

- Potable water
- Process water
- Swimming pool water

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## Technical Data

Type	Max. flow	Lamp power	Connected load	Reactor length	Minimum clearance for service	Min. distance from wall	Empty weight/ Operating weight	Connector width DIN/ANSI
	m <sup>3</sup> /h	W	kW	mm	mm	mm	kg	DIN / ANSI
1 x 1A	50.0* / 83.0**	1.000	1.10	700	400	300	31/47	DN 100/4"
1 x 2A	91.0* / 149.0**	2.000	2.10	700	500	300	38/65	DN 150/6"
1 x 3A	176.0* / 290.0**	3.000	3.20	800	600	300	52/118	DN 200/8"
2 x 2A	240.0* / 395.0**	4.000	4.20	900	1,000	300	78/166	DN 200/8"
2 x 3A	328.0* / 539.0**	6.000	6.20	900	1,000	300	78/166	DN 250/10"
3 x 3A	492.0* / 809.0**	9.000	9.20	900	1,000	300	78/166	DN 300/12"

\* 98 %/cm transmission; 600 J/m<sup>2</sup> UV dose for the breaking down of combined chlorine

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

Lamp type	Medium-pressure lamp Powerline A
Permissible operating pressure	10 bar (for systems 1 x 1A - 1 x 3A) 7 bar (for systems 2 x 2A - 3 x 3A)
Permissible ambient temperature	5 – 40 °C
Permissible water temperature	5 – 40 °C
Enclosure rating	IP54