

UV System Dulcodes LP

A world first: precise lamp dimming in seconds – even with varying flows and water temperatures.



Flow up to 523 m³/h

The unique UV systems Dulcodes LP are synonymous with pioneering water treatment – efficient and free of chemicals.

Our patented Vario-Flux high-output lamps with dynamic lamp heating are used in the Dulcodes LP. Thanks to the unique combination of electronic ballast technology and the Vario-Flux lamps, they can be quickly and precisely dimmed over a broad power range of up to 50% of the nominal electrical power. This ensures automatic adjustment to varying flows and water temperatures at all times.

Efficiency even increases in dimmed mode, which has a particularly positive effect when the actual flow is below the maximum possible flow of the system.

The flow in the Dulcodes LP has been optimised in a reactor based on intensive computer simulation. At the same time the pressure loss is kept minimal. The resulting uniform radiation dose without over- or under-metering of a partial volumetric flow leads to minimal use of energy, a minimum number of lamps and significantly reduced life cycle costs.

Your benefits

- UV system Dulcodes LP for a broad field of application for efficient, safe and chemical-free water disinfection
- Unique dynamic lamp heating adjusts the lamp output in seconds and provides for optimum disinfection even with rapidly varying flows and water temperatures.
- Homogeneous UV dose, thanks to optimised flow behaviour in the reactor, guarantees maximum flow output with a minimum number of lamps and minimum pressure loss
- Reduced life cycle costs due to the long service life of Vario-Flux high-output lamps with low energy consumption and high UV output
- High flexibility thanks to vertical or horizontal installation
- User-friendly and intuitive control for the display of operating statuses and adjustment of operating parameters
- Control cabinet with efficient recirculation cooling ensures the long life of electronic components and protects against corrosion in aggressive ambient conditions

UV System Dulcodes LP

A world first: precise lamp dimming in seconds – even with varying flows and water temperatures.

Field of application

- Potable water treatment
- Food and beverage production
- Swimming pool water

Technical Data

Type	Max. flow m ³ /h	Lamp power W	Connected load W	Reactor length mm	Minimum clearance for service mm	Ø mm	Connector nominal diameter
Dulcodes 1x80LP	8.8*	85	110	872	973	140	RP 2"
Dulcodes 1x230LP	35*	260	310	1,151	1,064	140	DN 80
Dulcodes 1x350LP	53*	370	430	1,640	1,465	168	DN 100
Dulcodes 2x350LP	123*	2x370	835	1,640	1,465	256	DN 150
Dulcodes 2x230LP	155*	3x260	825	1,185	1,156	168	DN 150
Dulcodes 3x350LP	232*	3x370	1,240	1,885	1,565	324	DN 200
Dulcodes 4x350LP	317*	4x370	1,645	1,885	1,565	356	DN 200
Dulcodes 6x350LP	523*	6x370	2,455	1,885	1,565	406	DN 250

* 98 %/cm transmission; 400 J/m² irradiation intensity, calculated according to PSS

Lamp type	Vario-Flux low pressure lamp
Controller type	Deluxe controller, alternatively compact controller
Permissible operating pressure	10 bar
Permissible ambient temperature	5–40 °C
Permissible water temperature	2–70 °C
Enclosure rating	IP 66