

UV System Dulcodes LP certified

Global first in the chemical-free disinfection of potable water – now also certified



Flow up to 410 m³/h

The Dulcodes LP is the first UV system to be precisely dimmed over a wide temperature range.

The unique combination of electronic ballast technology and the Vario-Flux lamps enables the system to be quickly and precisely dimmed over a broad power range of up to 50%. It therefore automatically adapts to changing flows or changes of water temperature.

Maximum efficiency and minimal life cycle costs are therefore achieved due to the reduced number of lamps and minimal use of energy.

Optimum flow in the reactors is based on intensive computer simulations. The radiation dose is even without over- or under-metering a partial volumetric flow. At the same time the pressure loss is kept minimal.

Your benefits

- 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: Use of long service life Vario-Flux high output lamps with low energy consumption and high UV output
- Excellent flexibility: vertical or horizontal installation and free choice of flange position
- Control cabinet with efficient recirculation cooling ensures the long life of electronic components and protects against corrosion in aggressive ambient conditions
- Location-independent system monitoring in real time via the DULCOneX platform: Improved process reliability. Reliability and transparency due to real-time monitoring, individual alarms and automated reports.

Field of application

- Potable water treatment
- Food and beverage production

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Technical Data

Type	Max. flow m ³ /h	Lamp power W	Connected load W	Reactor length mm	Minimum clearance for service mm	Ø mm	Connection nominal diameter DIN / ANSI
Dulcodes 1x80LP	6.4*	81	110	872	973	140	RP 2" / RP 2"
Dulcodes 1x230LP	20.7*	260	310	1,151	1,064	140	DN 80 / 3"
Dulcodes 1x350LP	40.3*	370	430	1,640	1,465	168	DN 100 / 4"
Dulcodes 2x350LP	113*	2x370	835	1,640	1,465	256	DN 150 / 6"
Dulcodes 3x230LP	86*	3x260	825	1,185	1,156	324	DN 150 / 6"
Dulcodes 3x350LP	189*	3x370	1,240	1,885	1,565	324	DN 200 / 8"
Dulcodes 4x350LP	259*	4x370	1,645	1,885	1,565	356	DN 200 / 8"
Dulcodes 6x350LP	410*	6x370	2,455	1,885	1,565	406	DN 250 / 10"

** 98 %/cm transmission; flows certified to DVGW W 294 / ÖNORM / SVGW / ACS

Lamp type	Low-pressure lamp Vario Flux
Controller type	Comfort controller, optionally compact controller
Permissible operating pressure	10 bar or 16 bar
Permissible ambient temperature	5–40°C with comfort control, 5–35°C with compact control
Permissible water temperature	2 – 70 °C
Enclosure rating	IP 66