

# UV System Dulcodes LP-PE Plastic

Chemical-free and reliable disinfection of water containing salt, such as sea water or thermal water.



## Flow up to 505 m<sup>3</sup>/h

The UV system Dulcodes LP-PE plastic is absolutely corrosion-free. This is ensured by the UV-stabilised, highly compressed HD-PE reactor and a special sensor made of plastic. The reactor is temperature-resistant through a special welding process and optimised to a pressure rating of up

to 4 bar. Our patented Vario-Flux high-output lamps with dynamic lamp heating are used in our LP-PE systems. We achieve an extremely high UVC efficiency, thanks to the unique combination of electronic ballast technology and the Vario Flux lamps.

## Your benefits

- Reactor made of UV-stabilised high-density HD-PE, absolutely corrosion-free and temperature stable.
- Durable, salt water-resistant UVC sensor for monitoring the disinfection capacity, contamination of the lamp protection tubes, lamp ageing and water transmission.
- Highly efficient Vario Flux 350 W lamps provide for maximum disinfection and flow rate with a minimum number of lamps.
- Electronic ballasts for the gentle ignition, and monitoring of operation and individual lamps.
- The replacement of lamps is reduced to the absolute minimum.
- 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

- Process water
- Swimming pool water
- Salt water

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## Technical Data

Type	Max. flow m <sup>3</sup> /h	Lamp power W	Connected load W	Reactor length mm	Minimum clearance for service mm	Ø mm	Connection nominal diameter DIN / ANSI
1x350LP-PE	35*	1x380	430	1,590	1,565	140	DN 80
2x350LP-PE	123*	2x380	835	1,590	1,565	280	DN 125
3x350LP-PE	252*	3x380	1,240	1,590	1,565	400	DN 200
4x350LP-PE	328*	4x380	1,645	1,590	1,565	400	DN 200
6x350LP-PE**	505*	6x380	2,455	1,590	1,565	500	DN 300

\* 98%/cm transmission; 400 J/m<sup>2</sup> radiation intensity

\*\* permissible operating pressure 3 bar

<b>Lamp type</b>	Low-pressure lamp Vario Flux
<b>Controller type</b>	Comfort controller, optionally compact controller
<b>Permissible operating pressure</b>	4 bar
<b>Ambient temperature</b>	5–40°C with comfort control, 5–35°C with compact control
<b>Permissible water temperature</b>	5 – 30 °C
<b>Enclosure rating</b>	IP 66