

# Dulcodes S UV System

## Effective chloramine reduction in pool water

**Dulcodes S UV systems** are ideal for breaking down bound chlorine (chloramines) in swimming pool water. These odor-intensive substances ("chlorine odor") irritate the eyes and mucous membranes. Special Powerline medium pressure lamps generate intensive UV radiation for the effective reduction of the chloramines.

In addition, chlorine-resistant germs in the water are reliably killed, resulting in better and healthier water quality. The in-line design ensures that the system is simple and easy to install in any position: quick retrofitting with minimal work, directly into a plastic pipeline without any stainless steel connection pieces required.

## Application Specific Solutions

- Swimming pools
- Water parks
- Spray pads
- Zoos and Aquariums

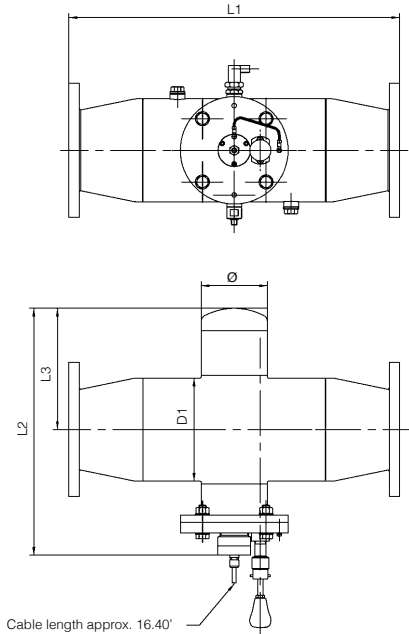
## Features & Benefits

- Minimum space requirement due to extremely compact in-line design
- Highest level of installation flexibility due to free choice of mounting orientation
- Maintenance-friendly single-end lamp connection
- Quick payback due to operating cost savings in fresh water, chemicals and heating
- Additional disinfection barrier for chlorine-resistant germs
- High operating safety and simple diagnostics thanks to integrated screen recorder
- Automatic wiper
- Radiation chamber from high quality stainless steel 316 Ti
- Power output control in steps 50, 75 and 100 %
- Monitoring of the system performance by UVC-selective sensor
- Monitoring of the water temperature
- Resource saving operation made possible through control, which depends on the concentration of bound chlorine



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## Dimensional drawings



### Radiation chamber

	0.65 kW	1 kW	2 kW	3 kW	4-9 kW
<b>D1</b>	4.49"	6.62"	8.62"	12.75"	12.75"
<b>L1</b>	19.68"	27.55"	27.55"	31.49"	35.43"
<b>L2</b>	15.15"	16.73"	20.66"	24.60"	25.03"
<b>L3</b>	5.59"	8.18"	10.15"	12.12"	12.54"
<b>Ø</b>	3.50"	5.50"	5.50"	5.50"	10.74"

### Control cabinet (Not Shown)

<b>H</b>	14.96"	19.68"	23.62"	23.62"	55.11"
<b>W</b>	14.96"	19.68"	23.62"	23.62"	23.62"
<b>D</b>	8.26"	8.26"	8.26"	8.26"	11.81"

## Specifications

Type	Max flow [GPM] with 98%/cm transmission and UV-dose 400 J/m <sup>2</sup> 600 J/m <sup>2</sup>		Number of lamps and lamp power [kW]	Flange Connection Size
1 x 0.65S*	114.4	74.8	1 x 0.65	2.5" 3"
1 x 1S**	338.8	224.4	1 x 1	4" 5"
1 x 2S	589.6	391.6	1 x 2	5" 6"
1 x 3S	1170.4	778.8	1 x 3	8" 10"
2 x 2S	1584	1056	2 x 2	8" 10"
2 x 3S	2178	1452	2 x 3	10"
3 x 3S	3300	2200	3 x 3	10" 12"

\* System without wiper and no power control

\*\* System without power control

Maximum operating pressure 87.02 psi