

Efficient UV treatment

UV System Dulcodes A



Flow up to 739 m³/h

For the disinfection of potable water, elimination of chlorine, chlorine dioxide and ozone, or for the breaking down of combined chlorine in swimming pool water. The Powerline medium-pressure lamps safely inactivate pathogenic organisms. In particular, chlorine-resistant germs such as cryptosporidium or giardia are reliably eliminated.

Electronic power supplies with automatic setpoint control adjust the lamp output. Either by an external signal such as the flow rate or by specification of a setpoint for the sensor signal.

A long-term stable UVC sensor ensures that the system operates safely. The motor-driven automatic wiper efficiently cleans the lamp protection tubes and minimises maintenance work.

Your benefits

- Simple installation, thanks to the compact inline system, ensures minimum installation costs and fast retrofitting
- Minimum space requirement and highest level of installation flexibility due to free choice of mounting orientation and direct installation in plastic pipes
- Automatic UV-dose control for flow pacing via external 0/4 - 20mA signal
- Multiple control points allow an automatic UV-dose control to always exactly meet your treatment requirement for disinfection and photo oxidation. This saves energy and increases lamp life
- Unbeatable simple and quick maintenance: single-end lamp connection and easy service access
- Certified systems: NSF 50-2012, CSA 22, UL508, comprehensively biodosimetrically validated to EPA UVDGM 2006 (Environmental Protection Agency UV Disinfection Guidance Manual)

Dulcodes A

Key applications

- Potable water
- Industrial water
- Swimming pool water
- Process water
- Product water

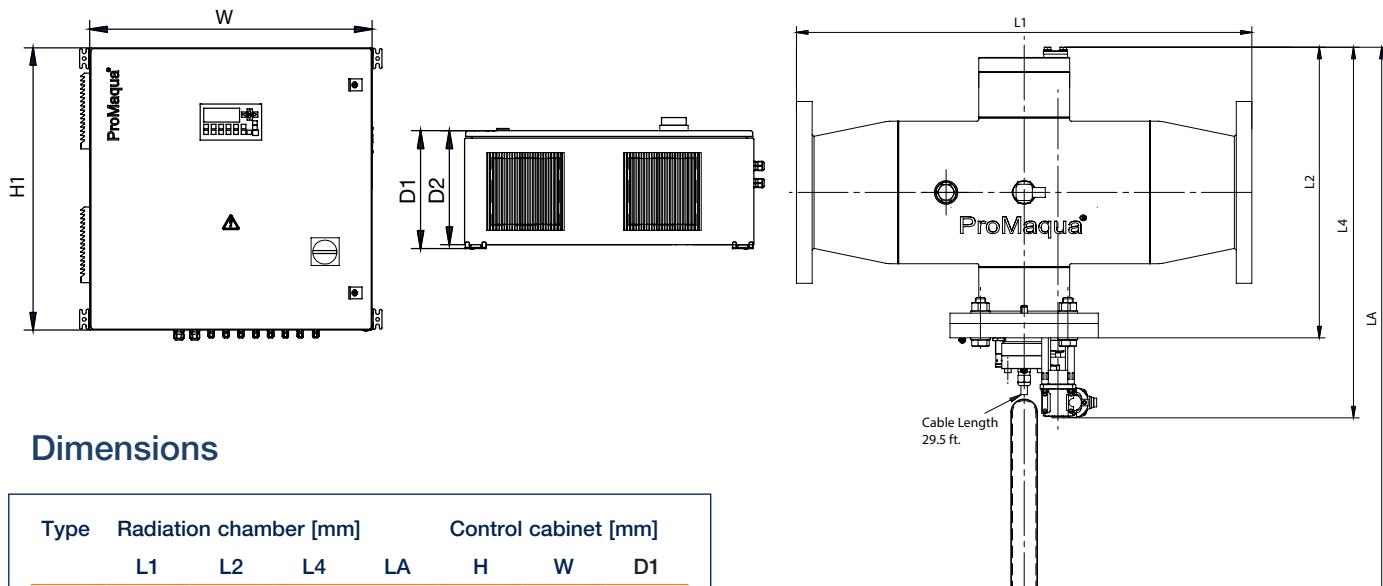
Technical data

| DN (DIN/ANSI): / / | | | | | | |
|--------------------|----|------------|-----|------------|--------|-----------------|
| | 3/ | | | | | |
| 1x1 A | 1 | 66*/76** | 1.1 | DN 100/4" | 31/47 | 208-240/50-60/1 |
| 1x2 A | 1 | 116*/133** | 2.1 | DN 150/6" | 38/65 | 208-240/50-60/1 |
| 1x3 A | 1 | 232*/266** | 3.2 | DN 200/8" | 52/118 | 400-480/50-60/3 |
| 2x2 A | 2 | 309*/362** | 4.2 | DN 200/8" | 78/166 | 400-480/50-60/3 |
| 2x3 A | 2 | 464*/493** | 6.2 | DN 250/10" | 78/166 | 400-480/50-60/3 |
| 3x3 A | 3 | 696*/739** | 9.2 | DN 300/12" | 78/166 | 400-480/50-60/3 |

* 98%/cm transmission; 600 J/m² irradiation intensity for the breakdown of combined chlorine

** 98%/cm transmission; 400 J/m² irradiation intensity for disinfection applications

Measurements and sizes



Dimensions

| Type | Radiation chamber [mm] | | | | Control cabinet [mm] | | |
|-------|------------------------|-----|-----|------|----------------------|-----|-----|
| | L1 | L2 | L4 | LA | H | W | D1 |
| 1x1 A | 700 | 347 | 470 | 664 | 760 | 760 | 310 |
| 1x2 A | 700 | 447 | 570 | 864 | 760 | 760 | 310 |
| 1x3 A | 800 | 547 | 670 | 1064 | 760 | 760 | 310 |
| 2x2 A | 900 | 554 | 667 | 1132 | 760 | 760 | 310 |
| 2x3 A | 900 | 554 | 667 | 1132 | 760 | 760 | 310 |
| 3x3 A | 900 | 554 | 667 | 1132 | 1400 | 600 | 310 |