Permanent UV disinfection
Powerful and clean – with ProMinent

UV system Dulcodes R with high-performance Opti-Flux lamps and manual wiper

This new series of UV systems uses high-performance Opti-Flux lamps with an output of 300 W. So maximum flow capacities are achieved with a minimum number of lamps. This, combined with the long service life of the lamps – up to 14,000 hours – means that lamp changes are rarely necessary, resulting in lower follow-up costs than with conventional systems.
The built-in manually-operated wiper mechanism allows easy and efficient cleaning of the lamp protection tube – in service – without having to remove the tube.
Dulcodes R is particularly suitable for disinfecting drinking water and process water, as well as photochemical reduction of chloramines in swimming pool water.

Advantages

- Cleaning with no interruption to operation: the manual wiper is easy to operate even under full system operating pressure. Self-sharpening wiper elements achieve highly effective cleaning over a long service life
- More output with fewer lamps: 300 W lamp power allows more flow per lamp
- Longer maintenance cycles, lower running costs: the 14,000 hours lamp life sets new standards
- Diverse special functions, simple connection to central control rooms: system controllers with electronic ballasts and individual lamp monitoring

Features

- Flow: up to 438 m^3/h (depending on transmission and radiation dose)
- Auto-adjusting wiper elements made from food-safe PTFE
- High-performance Opti-Flux low-pressure lamp using special amalgam technology, increased UV output, very largely independent of temperature
- Lamp service life: up to 14,000 h
- Freely-programmable controller, e.g. for different flushing, warning and shutdown procedures
- UV-C sensitive UV sensor, large graphical display showing the sensor signals and operating messages in plain text

Further information:
www.prominent.com/uv

Printed in Germany, AL PM 024 05/06 GB

UV system Dulcodes R

Main applications

- Disinfection of drinking water
- Disinfection of process water
- Photochemical reduction of chloramines in swimming pool water

Technical data

Type	max. flow [m³/h] at 98 %/cm transmission and radiation dose			Lamp power	Connection nominal diameter
	250 J/m²	400 J/m²	600 J/m²	[W]	
1 x 300 R	48	30	20	300	DN 80
2 x 300 R	152	95	63	2 x 300	DN 150
3 x 300 R	287	179	120	3 x 300	DN 200
4 x 300 R	438	274	183	4 x 300	DN 250

Radiation chamber material:	Stainless steel 1.4404
Lamp type / lamp power:	Opti-Flux low pressure lamp / 300 W
Controller type:	De-luxe controller in sturdy steel cabinet
Permissible operating pressure:	10 bar
Permissible operating temperature:	5 - 40 °C ambient temperature 5 - 50 °C water temperature

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