

WDS Series (Water Disinfection)

The WDS series is used for the reliable disinfection of drinking and process water, pond and fish farming water or bathing water. The UV-C light ensures the reliable elimination of unwanted microorganisms and at the same time guarantees that all valuable minerals are retained in the water.

Applications: Drinking water supplies for private use | Pure and ultrapure water disinfection | Cold and hot water systems | Hot water/in-house swimming and whirlpools | Process water | Pharmaceutical and chemical industries.

Function: Purely physical disinfection – the disinfection process is odor neutral, fault-free and produces no residue, since it runs on a purely physical basis and requires no chemicals.

Equipment: With high-quality quartz protection tubes; Electropolished stainless steel V4A housing; LED indicator lamps for function monitoring; operating hours counter; Ballast and control electronics integrated in control cabinet;

The S-series systems are optimized with special Sterilsystems emitters. Sterilsystems UV-C lamps are coordinated with the electronics so that the high UV-C disinfection performance at a wavelength of 254nm can be guaranteed over the full service life and the different water temperatures.

We also guarantee that our UV-C lamps do not form any disruptive by-products such as ozone and comply with the food irradiation regulations. The sterile system guarantees the disinfection performance of the drinking water over the product's service life if the operator's environmental conditions and water quality are adhered to. So that the ecological food print is optimized and the quality properties can be maintained, all UV-C lamps are produced in Europe and subjected to a triple check according to ISO9001. Since we mainly supply the industry with our products, we are used to very high quality standards.

Assembly/maintenance: Easy to understand assembly instructions; simple installation thanks to compact design; can be integrated into existing pressure lines; easy maintenance without additional maintenance costs; water does not need to be turned off.

Option: Solenoid valve and thermostat switch.

Technical Data - See From Page 2



TYPE	12p	30p	40S	80S
material	Stainless steel AISI 316/V4A			
Drinking water flow 400J/m ² T98% in m ³ /h	0.2	1.2	2.4	4.6
Number of spotlights	1	1	1	2
Lamp lifespan in h	9000	9000	9000	9000
Connection in inches	1/4	3/4	1	1 1/2
Power in W	12	30	40	80
Voltage in volts	230V ± 10% (50 – 60 Hz)			
Working pressure	0.5 - 10 bar	0.5 - 10 bar	0.5 - 10 bar	0.5 - 10 bar
Working temperature in °C	2-45	2-45	2-45	2-45
Dimensions in mm	H 260 D 60	H 510 D 60	H 920 D 60	H 928 D 135
Control cabinet dimensions in mm	H 90 W 180 D 80	H 25	H 25	H 36
Weight in kg	1.25	3.5	5	12

TYPE	120S	160p	240S	320S
material	Stainless steel AISI 316 / V4A			
Drinking water flow 400J/m ² T98% in m ³ /h	7	9	15	20
Number of spotlights	3	4	6	8th
Lamp lifespan in h	9000	9000	9000	9000
Connection in inches	2	2	3	3
Power in W	120	160	240	320
Voltage in volts	230V ± 10% (50 – 60 Hz)			
Working pressure	0.5 - 10 bar	0.5 - 10 bar	0.5 - 10 bar	0.5 - 10 bar
Working temperature in °C	2-45	2-45	2-45	2-45
Dimensions in mm	H 928 D 135	H 928 D 200	H 940 D 255	H 933 D 255
Control cabinet dimensions in mm	H 361 W 320 D 111	H 361 W 320 D 111	H 361 W 320 D 111	H 380 W 380 D 210
Weight in kg	13	13	13	32.5

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TYPE	520S	780S	1040S
material	Stainless steel AISI 316 / V4A		
Drinking water flow 400J/m ² T98% in m ³ /h	33	50	65
Number of spotlights	8th	12	16
Lamp lifespan in h	9000	9000	9000
Connection in inches	3	4	4
Power in W	520	780	1040
Voltage in volts	230V ± 10% (50 – 60 Hz)		
Working pressure	0.5 - 10 bar	0.5 - 10 bar	0.5 - 10 bar
Working temperature in °C	2-45	2-45	2-45
Dimensions in mm	H 940 D 308	H 932 D 325	H 932 D 300
Control cabinet dimensions in mm	H 50	H 80	W 600
Weight in kg	33	45	52

