WEDECO
a xylem brand

Description — Series AQUADA

Main Applications

Disinfection of clear fresh water to meet drinking water or other relevant biological standards which correspond to the German drinking water decree and DIN 2000 regarding chemical and physical subjects

- Drinking water for private homes, schools, farms, hotels, hospitals, etc.
- Air conditioning systems
- Fish farming (Fresh water)

Water temperature,	recommended range	5 - 25 °C
	possible range	0 - 35 °C
Water UV transmittance (@ 254 nm, 1 cm)		min. 80 %
Flow capacity (300 J/m²)		max. up to 13.4 m³/h

Technical Description

- Single centered low pressure UV lamp inside a protective quartz sleeve
- Electro-polished UV disinfection chamber with male threads
- Easily removable UV lamp and quartz sleeve assembly from one side of the reactor
- Glow-cap lamp operation control
- Three different AQUADA models available: Altima, Proxima and Maxima (for different configurations see page no. 4)
- UV-Monitoring System (for Maxima)
- All units conforming with CE standards

UV REACTOR	*Material*:	stainless steel 316L, electro-polished
	Mounting:	preferably vertical; mounting brackets included
	Reactor connection:	male thread
UV Lamp	Low pressure UV lamp	
UV Sensor (Maxima)	Selective sensor, selectivity > 99% at 254 nm	
CONTROL BOX	Material: ABS	
	Prepared for wall or UV chamber mounting	
	Electronic power supply (ballast) with integrated SOFTSTART-ignition	
	Cable length UV chamber / control box: 1.5 m	
	Max. ambient temperature:	40° C

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Description — Series AQUADA

Model	AQUADA 1	AQUADA 2	AQUADA 4
UV Reactor			
Reactor connections, male thread	½"	¾"	¾"
Dimensions	Please refer to the respective drawing		
Irradiation volume (l) approx.	1	1.5	3.5
Weight (kg) approx.	1.7	2.4	3.2
Operating pressure (bar) max.	10		
Protection class	IP 65		

UV Lamp		
Type	NLR1825 WS	NLR1845 WS
Lamp power (Watt)	20	40
Quantity	1	1
Lamp life (h)	8,760	

Selective UV Sensor (Maxima only)	
Sensor type	UCS
Quantity of UV sensors	1

Control Box			
Width (mm) approx.	168		
Height (mm) approx.	200		
Depth (mm) approx.	66		
Weight (kg) approx.	2.5		
Voltage (V / Hz)	230 Volt / 50 - 60Hz		
Power consumption (W)	24	55	55
Protection class	IP 23		

Options / Accessories (extra charges)

- 2/2 way solenoid valve (Maxima and Proxima only) for automatic stop of water supply in case of failure
- Volt free contact for Maxima and Proxima

Options not included in the sales pricelist have to be requested at Wedeco`s sales support group in Herford, Germany.

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Description — Series AQUADA

Model	AQUADA 7	AQUADA 10
UV Reactor		
Reactor connections, male thread	1”	1 ½”
Dimensions	Please refer to the respective drawing	
Irradiation volume (l) approx.	6.3	11.6
Weight (kg) approx.	5.0	9.0
Operating pressure (bar) max.	10	
Protection class	IP 65	
UV Lamp		
Type	NLR1880 WS	
Lamp power (W)	80	
Quantity	1	
Lamp life (h)	8,760	
Selective UV Sensor (Maxima only)		
Sensor type	UCS	
Quantity of UV sensors	1	
Control Box		
Width (mm) approx.	168	
Height (mm) approx.	200	
Depth (mm) approx.	66	
Weight (kg) approx.	2.5	
Voltage (V / Hz)	230 Volt / 50 - 60 Hz	
Power consumption (W)	85	
Protection class	IP 23	

Options / Accessories (extra charges)

- 2/2 way solenoid valve (Maxima and Proxima only) for automatic stop of water supply in case of failure
- Volt free contact for Maxima and Proxima

Options not included in the sales pricelist have to be requested at Wedeco’s sales support group in Herford, Germany,.

Model characteristics Altima – Proxima – Maxima

There are three AQUADA models, each one available in five different sizes, based on the flow capacity. The varying technical features of the models are as described below,
e.g. the AQUADA MAXIMA 10 includes all features and is suitable for the highest flow rate.

	AQUADA models		
Features	**ALTIMA**	**PROXIMA**	**MAXIMA**
Tested and proven disinfection capacity	●	●	●
Electro-polished stainless steel disinfection chamber	●	●	●
High output low pressure UV lamp	●	●	●
High efficient electronic ballast power supply	●	●	●
Glow-cap lamp operation indicator	●	●	●
Safety lamp connector (no lamp removal without lamp shut-off)	●	●	●
Micro-computer control		●	●
Audible alarm plus visual alarm display (lamp failure and end of lamp life)		●	●
Lamp change reminder with 365 days counter		●	●
Alarm and computer reset button		●	●
Digital display / lamp life readout		●	●
Power connection for optional automatic solenoid safety shut-off valve		●	●
Selective UV sensor			●
Digital UV intensity display			●