

UV - Disinfection Systems

Aqua UVtron[®] AL-Serie

Longlife High-Power Certified UV-C Systems for water disinfection

Applications

- Drinking water supply
- Industrial process water disinfection
- Pharmaceutical and chemical industry
- Soft drink industry and breweries
- Food production industry
- Hospital and clinics
- Pure and Ultrapure water disinfection
- Cold and Hot water installations(Legionella prevention)
- Swimming- and Whirlpools

Characteristics

- Compact system
- Electro polished 316L (1.4404) chamber designed for pressures up to 12 bar
- Electronic ballast with integrated current loop detecting the lamp function (only M version)
- Selective UV-C radiation detection according to DVGW sheet W-294 and Ö-Norm 5873-1 regulations with 4-20 mA signal output, LCD display indication the absolute UV-C intensity in W/m², run time as well as startup and power failure counters, potential free relay contacts for alarm and pre-alarm signals (only M version)
- Remote control facility (only M version)
- Power failure safe (only M version)
- Longlife amalgam lamp technology
- High quality of the used quartz sleeves

Options

- Flow restriction valve
- Flow meter with pulses or inductive magnetic (only M version)
- Water temperature detection with flushing valve(only M version)
- Connection fittings in 316L (1.4404) (only M version)
- Flow interruption valve (only M version)
- Alarm signal transmission by cable or GSM (only M version)
- Solar or hydro-electric power supply



Technical Data

Device type:	AL06M-FC 21W	AL06M-FC 65W	AL12M-FC 41W	AL12M-FC 135W	Einheit
Application:					
- Coltwater bis 38 °C @T10 90%	1.5	3.5	2.3	6.5	m ³ /h
- Coltwater bis 38 °C @T10 80%	--	2.2	--	3.0	m ³ /h
- Coltwater bis 38 °C @T1600 Jm2	0.4	0.8	0.6	1.8	m ³ /h
Power consumption:	27	64	55	150	Watt
UV-C Dose @ 254 nm:	>400	>400	>400	>400	J/m ²
UV LP lamp:	AXL 06 ND	AXL 46 ND AI	AXL 12/27 ND	AXL 90 ND AI	
- lamp power	21.0	65.0	41.0	135.0	Watt
- UV-C output @ 254 nm	7.3	20.0	14.3	43.0	Watt
- lamp operation time	12'000	12'000	12'000	12'000	h
Temperature range:					
- water	4 - 38	4 - 38	4 - 38	4 - 38	°C
- envioremt	4 - 45	4 - 45	4 - 45	4 - 45	°C
Max. operational pressure:	10	10	10	10	bar
Connection without Coupler:	DN20	DN 20	DN25	DN 25	
Dimensions:					
- width R (w/o Coup.) and depth T	95 x 99	95 x 99	95 x 99	95 x 99	mm
- mounting height H1	600	600	980	980	mm
- required height H2	1'050	1'050	1'845	1'845	mm
- required height H3 for maintenance	458	458	868	868	mm
- Control unit	150 x 340 x 100	150 x 340 x 100	150 x 340 x 100	150 x 340 x 100	mm
- chamber type	AL06-FC	AL06-FC	AL12-FC	AL12-FC	
Weight:					
- radiation chamber	4.1	4.1	6.8	6.8	kg
- control unit	2.0	2.0	2.0	2.0	kg
Protection degree:	IP 65	IP 65	IP 65	IP 65	
Materials:					
- radiation chamber	1.4404	1.4404	1.4404	1.4404	
- control unit	Polycarbonat	Polycarbonat	Polycarbonat	Polycarbonat	

Technical data subject to change without previous notice

Dimensions

