JOWA UV STERILIZER

FRESH WATER TREAMENT SYSTEM

The UV sterilizer is equipped with low pressure UV-lamps, powered by electronic high frequency ballasts, for highest efficiency and lowest power consumption.

The sterilization process is microprocessor-controlled via data from the UV-sensor. The intelligent lamp monitoring system will, in case of any lamp failure, inform the user of this occurrence as well as the location of the broken lamp.

The hour meter tells the user to change lamps when the limit of its using time is reached.

All necessary data is available in a display window on the control cabinet.

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Flow capacity

Maximum flow at different water qualities (m^3/h). Normally the Max/Min capacity of a UV-unit is chosen between T50=90% down to T50=60%.

	T10=100%	T10=98%	T10=96%	T10=93%	T10=90%	T10=87%	T10=83%
Size	T50=100%	T50=80%	T50=80%	T50=70%	T50=60%	T50=50%	T50=40%
UV1	1.41	1.28	1.15	1.01	0.88	0.74	0.60
UV2	1.98	1.79	1.61	1.42	1.24	1.04	0.85
UV3	4.59	4.05	3.51	3.01	2.53	2.06	1.62
UV4	6.98	6.13	5.30	4.54	3.82	3.13	2.49
UV5	12.49	10.52	8.73	7.17	5.79	4.55	3.45
UV31	15.88	14.00	12.14	10.41	8.75	7.13	5.60
UV41	24.09	21.13	18.28	15.67	13.21	10.86	8.66
UV51	43.20	36.39	30.19	24.82	20.03	15.73	11.94

Maximum flow at different water qualities, [m^3/h]

Normally the Max/Min capacity of a UV-unitis chosen between T50=90% down to T50=60%

Technical data

Voltage:	110/230 VAC 50/60 Hz
Power consumption:	35-290W depending on size
UV-dosage:	36000 Ws/cm^2
Alarm:	Open/closed 1A resistive Relay output, normally
Working pressure:	Max 10 bar
Material chamber:	Stainless Steel 316L
Weight:	15-25 kg (up to sizes)

Main Features

- Individual lamp monitoring system
- LCD display
- UV-sensor standard
- Low power consumption
- Compact design in stainless steel 316L
- Always with solenoid valve