

DISINFECTION 09/23

AQUA TECH MEDIUM PRESSURE UV

High-intensity medium pressure UV system designed for efficient disinfection and chloramine reduction in swimming pools and larger water volumes reducing time and energy consumption. Emits a broad UV spectrum for enhanced water clarity, ensuring superior performance in high-flow and variable conditions. A wider UV spectrum enhances the system's ability to eliminate pathogens, as different wavelengths target and break down various harmful substances more effectively. Compact design with fewer lamps for space-saving installation.

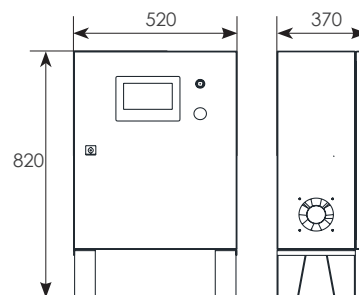
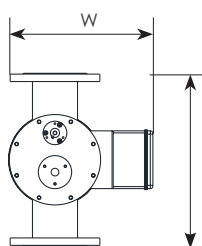
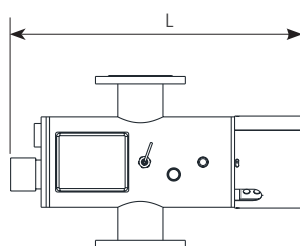


Technical features

- High lamp tube power, large processing capacity, and superior sterilization efficiency ensure optimal performance and rapid disinfection.
- Effectively eliminates toxic trichloramine and the unpleasant "pool" odor, while reducing the need for additional pool chemicals.
- **Operating Capacity & Flow rate** : Aqua Tech MPUV have the flow rate range from 15 - 1460 Cu.m/Hr for 0.5 - 18 kw of UV capacity with Quartz glass transmittance of 95%.
- **200-400nm Multi-Spectrum UV Radiation**: The medium-pressure UV system emits a broad 200-400nm spectrum, enhancing pathogen inactivation and effectively breaking down contaminants. This multi-spectrum capability ensures efficient water treatment and superior microbial control. 5000 hrs of lamp life.
- **SS316L Medium-Pressure UV Housing**: Constructed from SS316L stainless steel, offering superior corrosion resistance and durability. Rated for up to 10 bar pressure, with a DN flange connection for easy integration. The inline system ensures simple & secure installation.
- **Electrical Control Panel with PLC Automation**: Constructed from carbon steel or SS304 stainless steel, featuring an HMI system for real-time monitoring of lamp life, UV intensity, and chamber temperature. Includes overheat protection and RS485 communication for ballast, ensuring efficient and reliable operation. MODBUS-TCP protocol for BMS communication is available upon request.
- **Environmental Benefits**: By reducing chemical dependency, it helps eliminate harmful byproducts, improving water quality, enhancing energy efficiency, and lowering the carbon footprint, making it environmentally friendly.



Dimensions



Models

MODELS	FLOW RATE 60MJ/CM2 AT	LAMP WATTS	LAMP QTY	TOTAL POWER	CONNECTION	POWER SUPPLY	DIMENTION MM			PACKING	WEIGHT	VOLUME m ³
	m3/h	kw	pc	KW	DN		L	W	H			
MPUV-1.0KW-1	43.8	1.5	1	1.05	100	220V AC	600	345	420	1		
MPUV-2.0KW-1	109.5	2.0	1	2.05	125	380V AC	750	345	420	1		
MPUV-3.0KW-1	182.5	3.0	1	3.05	150	380V AC	750	345	420	1		
MPUV-2.0KW-2	219	2.0	2	4.10	150	380V AC	750	400	515	1		
MPUV-3.0KW-2	438	3.0	2	6.10	250	380V AC	760	483	595	1		
MPUV-3.0KW-3	693.5	3.0	3	9.10	300	380V AC	760	520	585	1		
MPUV-3.0KW-4	949	3.0	4	12.10	350	380V AC	780	570	585	1		
MPUV-3.0KW-5	1204.5	3.0	5	15.20	350	380V AC	780	570	585	1		
MPUV-3.0KW-6	1460	3.0	6	18.20	400	380V AC	780	630	585	1		



Your global partner since 1974. Trusted for superior quality and exceptional innovations.



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