RMS
RAINWATER MANAGEMENT SOLUTIONS™

CONTROL YOUR OWN WATER QUALITY!

Models: RMS5/6-2, RMS5/6-3, RMS5/6-6, RMS5/6-11, RMS5/6-15, RMS5/6-21

If you are unsure of the microbiological quality of your source water or if you are looking for additional security from your municipal water source, then RMS has the solution in the RMS LP series of residential UV systems.

UV technology is proven to control microbiological (bacteria & virus) issues in water including *E.coli, Cryptosporidium* and *Giardia lamblia*.

The RMS LP provides the ultimate in UV protection for your home with the inclusion of a true 254nm Teflon® based UV sensor that continuously monitors the performance of the UV system and displays the output via a color screen (optional on RMS5 systems). In addition to UV output, diagnostics, system status, warnings, even QR codes are included.

With the integral expandability port, the addition of a 4-20mA output or a solenoid valve is a simple plug-and-play option!

Product Features

- Free floating (no cable twist), keyed-in-place, 254nm Teflon® based UV sensor continuously measures and displays UV output (as a %) (std. on RMS6, optional on RMS5)

- Color screen controller with Lightlock™ for protected lamp replacement, includes QR codes, full diagnostics & warnings

- "Future-proof" expandability port for future upgrades and options

- Axial flow, 304 stainless steel polished reactors, designed & manufactured to ASME pressure vessel standards

- User friendly bayonet style lamp connector (quick ¼ turn removal with no extra tools needed)

- Reliable, industry proven, proprietary low pressure coated UV lamps with ceramic bases for durability and long life (9,000 hours)

- Constant current electronic controller (one controller for all LP units) in a splash proof case, fully potted ballast virtually eliminates common water damage issue

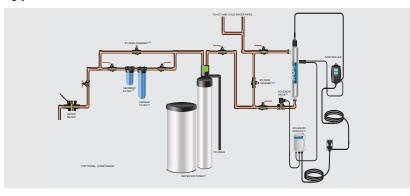## Sample Screens

Point-of-Use (POU)
RMS5/6-2 series, for flow rates of 2 gpm
RMS5/6-3 series, for flow rates of 3 gpm

Point-of-Entry (POE)
RMS5/6-6 series, for flow rates of 6 gpm
RMS5/6-11 series, for flow rates of 11 gpm
RMS5/6-15 series, for flow rates of 15 gpm
RMS5/6-21 series, for flow rates of 21 gpm

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Typical POE Installation

RMS LP SERIES 5/6 SO - Equipment Specifications

RMS LP SERIES (standard-output)

Model	RMS5-2 RMS6-2	RMS5-3 RMS6-3	RMS5-6 RMS6-6	RMS5-11 RMS6-11	RMS5-15 RMS6-15	RMS5-21 RMS6-21
Flow Rate (30mJ/cm² @ 95% UVT)	2 GPM	3 GPM	6 GPM	11 GPM	15 GPM	21 GPM
	7.6 lpm	11.4 lpm	22.7 lpm	41 lpm	57 lpm	79 lpm
	0.45 m³/hr	0.7 m³/hr	1.4 m³/hr	2.5 m³/hr	3.4 m³/hr	4.8 m³/hr
Flow Rate (40mJ/cm² @ 95% UVT)	1.6 GPM	2.4 GPM	4.4 GPM	8.3 GPM	12 GPM	16 GPM
	6.1 lpm	9.1 lpm	17 lpm	31 lpm	45.4 lpm	59 lpm
	0.36 m³/hr	0.5 m³/hr	1.0 m³/hr	1.9 m³/hr	2.7 m³/hr	3.6 m³/hr
Flow Rate (16mJ/cm² @ 95% UVT)	4 GPM	6 GPM	11 GPM	20 GPM	30 GPM	39 GPM
	15.1 lpm	23 lpm	41 lpm	77 lpm	114 lpm	150 lpm
	0.9 m³/hr	1.4 m³/hr	2.5 m³/hr	4.6 m³/hr	6.8 m³/hr	8.9 m³/hr
Port Size	½"FNPT	½"MNPT	¾"MNPT	¾"MNPT	1"MNPT	1"MNPT
Electrical	110/230V 60Hz. 1A Max.					
Plug Type	American, Nema 5/15, 3 wire for all 110V systems					
Lamp Watts	8	15	22	39	50	42
Power (Watts)	14	20	30	49	62	51
Maximum Current (amps)	1	1	1	1	1	1
Replacement Lamp	RMS-L210	RMS-L290	RMS-L470	RMS-L820	RMS-L999	RMS-L850
Replacement Sleeve	RMS-Q210	RMS-Q290	RMS-Q470	RMS-Q820	RMS-Q999	RMS-Q850
Chamber Material	Polished 304 stainless steel, A249 pressure rated tubing					
Reactor Dimensions	2.5 x 10.3" (6.4 x 26.2cm)	2.5 x 14.3" (6.4 x 36.4cm)	2.5 x 21.3" (6.4 x 54.2cm)	2.5 x 35.2" (6.4 x 89.5cm)	2.5 x 40.0" (6.4 x 101.6cm)	3.5 x 36.1" (8.9 x 91.7cm)
Controller Dimensions	17.2 x 9.2 x 10.2 cm (6.8 x 3.6 x 4")					
Operating Pressure	7-10.3 bar (10-150 psi)					
Operating Water Temp.	2-40° C (36 - 104°F)					
UV Monitor	YES on RMS6 (optional on RMS5), RS-B2.5					RS-B3.5 optional on RMS5
Solenoid Output	YES (but requires optional solenoid module) (MOD-SOL-RMS)					
Dry Contacts	YES (but requires optional remote alarm module) (MOD-RAM-RMS)					
4-20mA Output	YES (but requires optional 4-20mA module) (MOD-420)					
Lamp Change Reminder	YES (both audible and visual (full colour graphic))					
Lamp Out Indicator	YES (both audible and visual (full colour graphic))					
Shipping Weight	2.9 kg (6.3 lbs)	3.6 kg (7.9 lbs)	4.4 kg (9.6 lbs)	6.0 kg (13.2 lbs)	6.5 kg (14.4 lbs)	8.2 kg (18.0 lbs)

Optional Equipment Modules

UV Concierge
Available for WEB, iOS, and Android platforms providing live, dynamic feedback on all features and functions of your UV system.

SHERPA Series Water Quality Monitor
Allows for remote monitoring of all major and minor alarms that take place on the main UV system. Three LED's visually display system functionality from up to 150' (46m) away.

UV Sensor Module
Allows the 254nm UV wavelength to be measured and displayed via the controller. The sensor plugs directly into the controller and is mounted in the sensor port located on all reactors. (see chart for part numbers)

Solenoid Module
Used to power a remote normally closed solenoid valve (not included). Solenoid will close on lamp failure or when low UV conditions are detected by the sensor. Available in 110V. (MOD-SOL1-RMS) or 230V. (MOD-SOL2-RMS)

TRV (temperature management relief valve)
TRV allows for a small amount of water to be physically released (dumped) from the UV unit to allow for cooling of the water. Used in applications of extended "no flow" conditions, or when the temperature of the treated water is of a critical nature.

4-20mA Module
Used for signal transfer to a remote device such as a data logger or computer. Order MOD-420.

Remote Alarm (Dry Contact) Module
Used for signal transfer to a remote alarm or dry contacts. Order MOD-RAM.

Manufacturer's Warranty

REACTORS - Ten (10) year Limited Warranty
ELECTRONICS - Three (3) year Limited Warranty
UV LAMPS - One (1) year Limited Warranty
QUARTZ SLEEVES - One (1) year Limited Warranty

BEST WARRANTY IN THE UV INDUSTRY