RMS
RAINWATER MANAGEMENT SOLUTIONS™

HO 5.1 / 6.1

CONTROL YOUR OWN WATER QUALITY!

Models: RMS5/6-5C, RMS5/6-10C, RMS5/6-15C, RMS5/6-25C, RMS5/6-40C

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 HO series of residential UV systems.

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

RMS HO provides the ultimate in UV protection for your home with the inclusion of a true 254nm Teflon® based UV sensor on 6.1 models that continuously monitors the performance of the UV system and displaying the output via a colour screen (optional on 5.1 systems). In addition to UV output, diagnostics, system status, warnings, even QR codes are included.

With the integral expandability port, the addition of an optional module (listed on the back) is a simple plug-and-play option!

Product Features

- Free floating (no cable twist), keyed-in-place, 254nm Teflon® based UV sensor (on 6.1 models) continuously measures and displays UV output (as a %)
- Colour 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, 316L 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 high-output coated UV lamps with ceramic bases for durability and long life (10,000 hours)
- Constant current electronic controller (one controller for all LPHO units) in a splash proof case, fully potted ballast virtually eliminates common water damage issue
- Full customization available as an option (language, home screen, phone number, QR codes, etc.)

Sample Screens

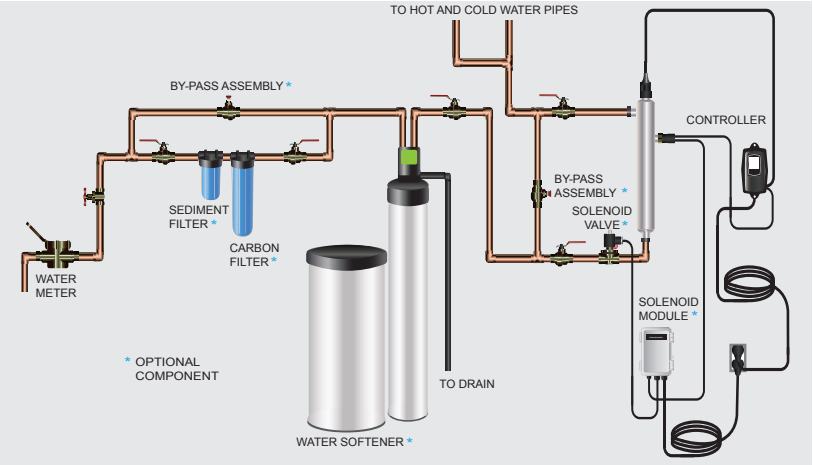
Point-of-Use (POU)

RMS5/6-5C series, for flow rates of 19 lpm (5 gpm)

Point-of-Entry (POE)

RMS5/6-10C series, for flow rates of 38 lpm (10 gpm)
RMS5/6-15C series, for flow rates of 57 lpm (15 gpm)
RMS5/6-25C series, for flow rates of 95 lpm (25 gpm)
RMS5/6-40C series, for flow rates of 151 lpm (40 gpm)

Typical POE Installation



RMS - Equipment Specifications

High-output					
Model	**RMS5-2C RMS6-2C**	**RMS5-10C RMS6-10C**	**RMS5-15C RMS6-15C**	**RMS5-25C RMS6-25C**	**RMS5-40C RMS6-40C**
Flow Rate (30mJ/cm²) @ 95% UVT)	5 GPM	10 GPM	15 GPM	25 GPM	40 GPM
	18.91 lpm	37.9 lpm	57 lpm	95 lpm	151 lpm
	1.1 m³/hr	2.3 m³/hr	3.4 m³/hr	5.7 ³/hr	9.3 m³/hr
Flow Rate (16mJ/cm²) @ 95% UVT)	8 GPM	19 GPM	27 GPM	47 GPM	78 GPM
	30.3 lpm	71.9 lpm	102.2 lpm	178 lpm	295 lpm
	1.8 m³/hr	4.3 m³/hr	6.1 m³/hr	10.7 m³/hr	17.7 m³/hr
Flow Rate (40mJ/cm²) @ 95% UVT)	3 GPM	7 GPM	11 GPM	19 GPM	31 GPM
	11.4 lpm	26.5 lpm	41 lpm	72 lpm	117 lpm
	0.7 m³/hr	1.6 m³/hr	2.5 m³/hr	4.3 m³/hr	7.0 m³/hr
Port Size	1/2"MNPT	¾"MNPT	1"MNPT	1"MNPT	1 1/2"MNPT
Electrical	90-265V/50-60Hz.				
Lamp Watts	18	34	45	67	101
Power (Watts)	20 (19 @ 230V)	38 (36 @ 230V)	57 (48 @ 230V)	73 (72 @ 230V)	115 (108 @ 230V)
Replacement Lamp	RMS-L210C	RMS-L330C	RMS-L420C	RMS-L600C	RMS-L950C
Replacement Sleeve	RMS-Q210	RMS-Q330	RMS-Q420	RMS-Q600	RMS-Q950
Chamber Material	316L Stainless Steel, A249 Pressure Rated Tubing, Polished & Passivated				
Reactor Dimensions	3.5 x 11.7" (8.9 x 29.8cm)	3.5 x 16.5" (8.9 x 41.8cm)	3.5 x 20.0" (8.9 x 50.8cm)	3.5 x 26.9" (8.9 x 68.3cm)	3.5 x 40.7" (8.9 x 103.4cm)
Controller Dimensions	8.6 x 4.2 x 3.5" (21.7 x 10.8 x 8.9cm)				
Operating Pressure	0.7-10.3 bar (10-150 psi)				
Operating Water Temp	2-40° C (36-104° F)				
UV Monitor	Yes, RMS-S3				
Solenoid Output	YES (but requires optional solenoid module) (**MOD-SOL1-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-RMS**)				
Lamp Change Reminder (audible & visual)	YES				
Lamp Out Indicator (audible & visual)	YES				
Shipping Weight	9.8 lbs	11.4 lbs	13 lbs	15.4 lbs	20.8 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
Installs on RMS UV systems and 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.

Custom Dealer Programmer
Customize your UV controller with your own company name, logo, website, QR code and contact information. Capture the lucrative replacement lamp market by creating a direct link back to your own website!

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. (see chart for part numbers)

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.

Cooling Fan
To reduce water temperature inside the reactor through mechanics and convection without wasting any water. Runs independently and continuously. Comes with a compact modular power adapter with interchangeable AC clips that operates from 90-264V (47-63Hz.)

4-20mA Module
Used for signal transfer to a remote device such as a data logger or computer. (see chart for part numbers)

Remote Alarm (Dry Contact) Module
Used for signal transfer to a remote alarm or dry contacts. (see chart for part numbers)

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MEMBER Water Quality ASSOCIATION