

OFF THE GRID UV WATER TREATMENT

- 2 to 6 GPM
- Colour screen controller
- Lightlock™ technology for protected lamp replacement sales

The 12 volt DC series UV water treatment systems are ideal if you do not have access to a reliable AC power supply.

RMS provides UV water treatment for your home with the inclusion of a true 254nm Teflon® based UV sensor that continuously monitors the performance of the UV system, displaying the output via a colour screen (optional on 5.1 systems). In addition to UV output, diagnostics, system status, warnings and QR codes can also be displayed.

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

Sample Screens



Point-of-Use (POU)

RMS5/6-2-12V series, for flow rates of 8 lpm (2 gpm)
RMS5/6-3-12V series, for flow rates of 11 lpm (3 gpm)

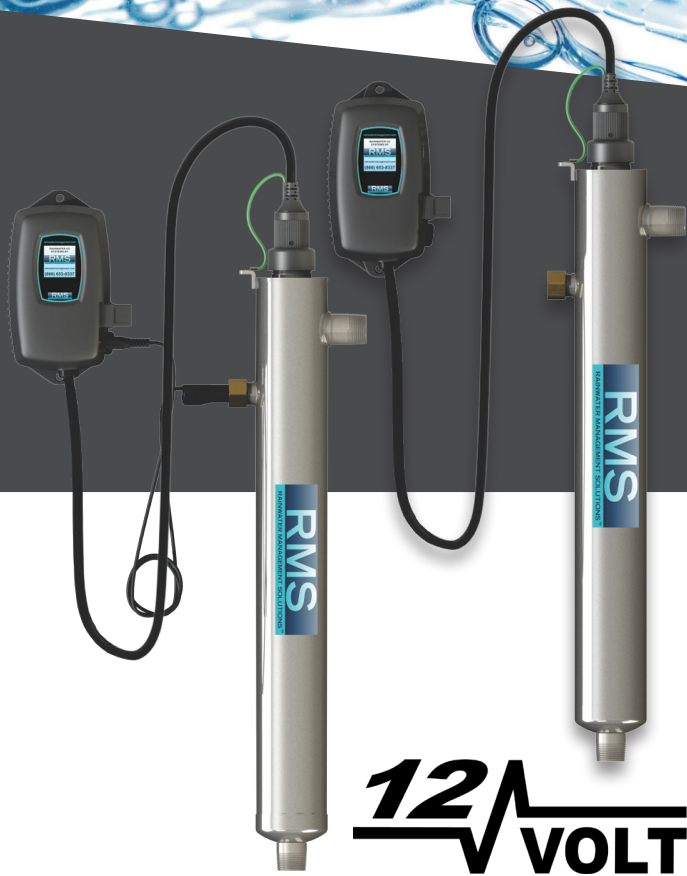
Point-of-Entry (POE)

RMS5/6-6-12V series, for flow rates of 23 lpm (6 gpm)

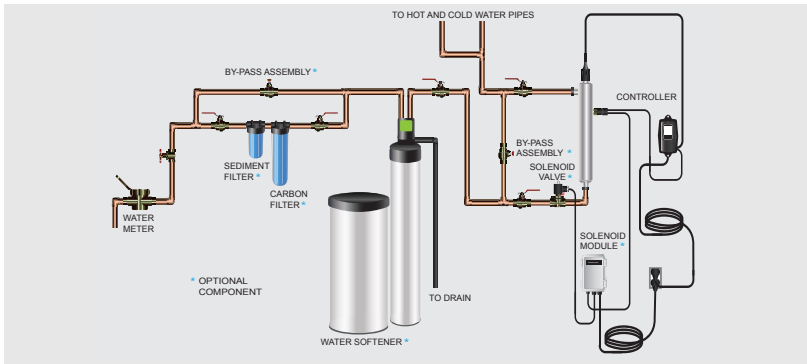
Product Features

- 12 VDC controller comes with 1.8 m (6') of bare leads to allow for easy connection to a DC power source (optional AC adaptors are available separately if required)
- Free floating (no cable twist), keyed-in-place, 254nm Teflon® based UV sensor continuously measures and displays UV output (as a %) (standard on 6.1 systems, optional on 5.1 systems)
- Colour screen controller with Lightlock™ for protected lamp replacement, includes QR codes, full diagnostics & warnings
- Expandibility port for future upgrades and options
- Axial flow, 304 stainless steel polished reactors, designed & manufactured to ASME pressure vessel standards
- Simple lamp changes
- Reliable, industry proven, proprietary low pressure coated UV lamps with ceramic bases for durability and long life
- Constant current electronic controller (one controller for all LP 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, QR codes, etc.

12 VOLT



Typical POE Installation



RMS - Equipment Specifications

Multi-Use / Residential systems (standard output lamps)			
MODEL	RMS5-2-12V RMS6-2-12V	RMS5-3-12V RMS6-3-12V	RMS5-6-12V RMS6-6-12V
Flow Rate 30mJ/cm ² @ 95% UVt	2 gpm	3 gpm	6 gpm
	7.6 lpm	11.4 lpm	22.7 lpm
	0.45 m ³ /hr	0.70 m ³ /hr	1.4 m ³ /hr
Flow Rate 40mJ/cm ² @ 95% UVt	1.6 gpm	2.4 gpm	4.4 gpm
	6.1 lpm	9.1 lpm	17 lpm
	0.36 m ³ /hr	0.50 m ³ /hr	1.0 m ³ /hr
Port Size	½" FNPT	½" MNPT	¾" MNPT
Electrical	12VDC / 2.5A Max		
Plug Type	DC Power cable, wire leads (255050)		
Lamp Power (Watts)	8	15	22
Power (Watts)	14	20	30
Replacement Lamp	RMS-L210	RMS-L290	RMS-L470
Replacement Sleeve	RMS-Q210	RMS-Q290	RMS-Q470
Reactor Dimensions	6.4 x 26.2 cm (2.5 x 10.3")	6.4 x 36.4 cm (2.5 x 14.3")	6.4 x 54.2 cm (2.5 x 21.3")
Chamber Material	304 Stainless Steel, A249 Pressure Rated Tubing		
Controller Dimensions	17.2 x 9.2 x 10.2 cm (6.8 x 3.6 x 4")		
Operating Pressure	0.7-10.3 bar (10-150 psi)		
Operating Water Temperature	2-40° C (36-104° F)		
UV Monitor	YES on all "RMS6" models. Upgrade available for "RMS5" models (RMS-S1)		
Solenoid Output	YES (optional solenoid module (MOD-SOL-RMS) sold separately)		
Dry Contacts	YES (remote alarm module (MOD-RAM-RMS) sold separately)		
4-20mA Output	YES (4-20mA module (MOD-420-RMS) sold separately)		
Temperature Mgmt. Valve	NA	130031	130032
Cooling Fan	NO		
Lamp Change Reminder	YES		
Lamp Out Indicator	YES		
Shipping Weight	2.9 kg (6.3 lbs)	3.6 kg (7.9 lbs)	4.4 kg (9.6 lbs)

PLEASE NOTE: All systems are sold configured for a direct 12 volt connection. If you are using these systems on line voltage (110 or 230 volts), then a separate power convertor is required. These can be purchased separately or from RMS directly. Order a 12-SUPPLY for a 110-230V. to 12 VDC volt adaptor.

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 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. Order RS-B2.5.



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) or 230V. (MOD-SOL2)



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.



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