

# RMS

RAINWATER MANAGEMENT SOLUTIONS™

HO 4.1

## CONTROL YOUR OWN WATER QUALITY!

Models: RMS4-5C, RMS4-10C, RMS4-15C, RMS4-25C, RMS4-40C

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 RMS HO 4.1 series of UV systems.

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

Designed for easy do-it-yourself installation, all RMS HO 4.1 systems are typically installed at the point-of-entry, treating all the water coming into the home.

### Product Features

- Now available with integral lamp life monitor, with both audible and visual indication of lamp life
- Axial flow, 316L stainless steel polished reactors,
- Visual sight port for "lamp-on" verification
- Designed & manufactured to ASME pressure vessel standards
- Flow rates stated at 95% UVT at a dose of 30mJ/cm<sup>2</sup>
- True gland seal retaining nut with positive stop
- User friendly bayonet style lamp connector (quick ¼ turn removal with no extra tools needed)
- Reliable, industry proven, proprietary low pressure high output (LP-HO) coated UV lamps with ceramic bases for durability and long life (10,000 hours)
- Constant current electronic controller (one controller for all systems) in a splash proof case, fully potted ballast virtually eliminates common water damage issue
- Audible & visual lamp failure indicators
- Tactile selector button

### Point-of-Use (POU)

**RMS4-5C series**, for flow rates of 19 lpm (5 gpm)

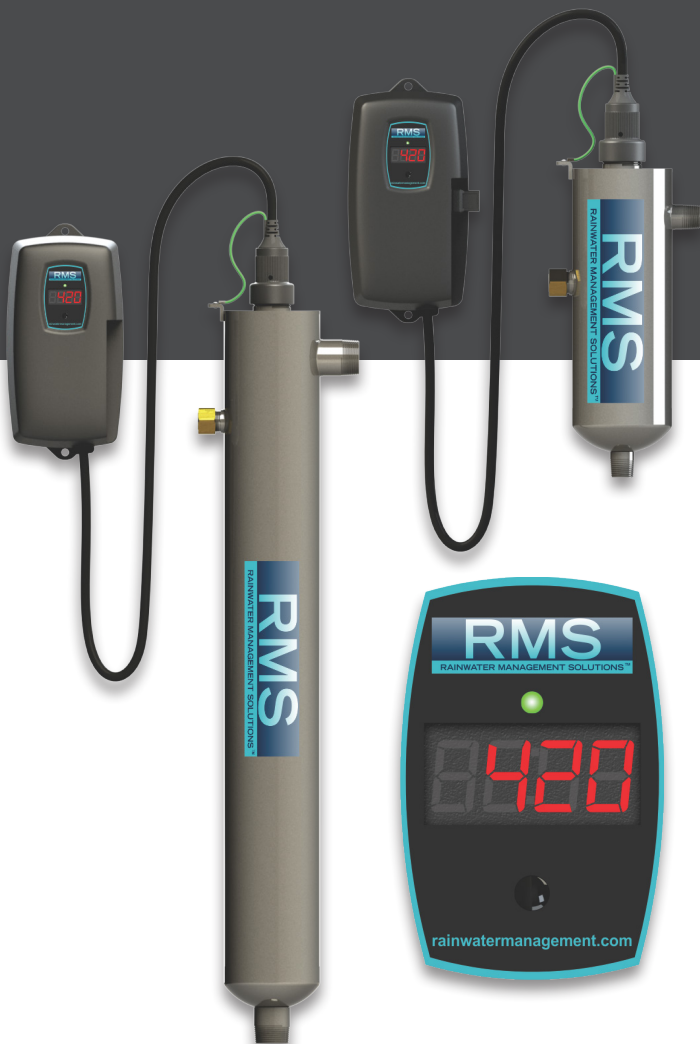
### Point-of-Entry (POE)

**RMS4-10C series**, for flow rates of 38 lpm (10 gpm)

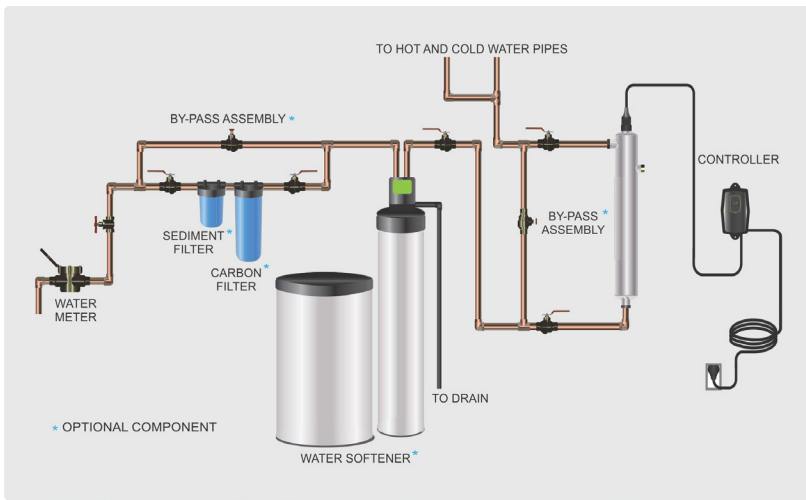
**RMS4-15C series**, for flow rates of 57 lpm (15 gpm)

**RMS4-25C series**, for flow rates of 95 lpm (25 gpm)

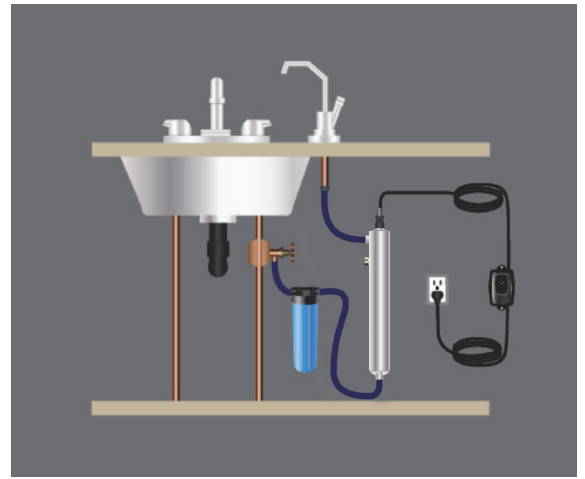
**RMS4-40C series**, for flow rates of 151 lpm (40 gpm)



## Typical POE Installation



## Typical POU Installation



## RMS - Equipment Specifications

High-output					
Model	RMS4-5C	RMS4-10C	RMS4-15C	RMS4-25C	RMS4-40C
Flow Rate (30mJ/cm <sup>2</sup> @ 95% UVT)	5 GPM	10 GPM	15 GPM	25 GPM	40 GPM
	18.9 lpm	37.9 lpm	57 lpm	95 lpm	151 lpm
	1.1 m <sup>3</sup> /hr	2.3 m <sup>3</sup> /hr	3.4 m <sup>3</sup> /hr	5.7 m <sup>3</sup> /hr	9.3 m <sup>3</sup> /hr
Flow Rate (40mJ/cm <sup>2</sup> @ 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 m <sup>3</sup> /hr	1.6 m <sup>3</sup> /hr	2.5 m <sup>3</sup> /hr	4.3 m <sup>3</sup> /hr	7.0 m <sup>3</sup> /hr
Flow Rate Hot Water (-HW suffix) model 30mJ/cm <sup>2</sup> @ 75% UVT	2.8 gpm	7.0 gpm	9.8 gpm	16 gpm	28 gpm
	11 lpm	26 lpm	37 lpm	61 lpm	110 lpm
	0.6 m <sup>3</sup> /hr	1.6 m <sup>3</sup> /hr	2.2 m <sup>3</sup> /hr	3.6 m <sup>3</sup> /hr	6.4 m <sup>3</sup> /hr
Flow Rate Low UVT (-50 suffix) model 30mJ/cm <sup>2</sup> @ 50% UVT	1.7 gpm	4.2 gpm	6.1 gpm	10 gpm	17 gpm
	6.4 lpm	16 lpm	23 lpm	38 lpm	64 lpm
	0.4 m <sup>3</sup> /hr	1.0 m <sup>3</sup> /hr	1.4 m <sup>3</sup> /hr	2.3 m <sup>3</sup> /hr	3.9 m <sup>3</sup> /hr
Flow Rate TOC (-TOC suffix) model 150mJ/cm <sup>2</sup> @ 98% UVT	0.8 gpm	2.0 gpm	2.8 gpm	5.1 gpm	8.0 gpm
	3.0 lpm	7.6 lpm	11 lpm	19 lpm	30 lpm
	0.2 m <sup>3</sup> /hr	0.5 m <sup>3</sup> /hr	0.6 m <sup>3</sup> /hr	1.1 m <sup>3</sup> /hr	1.8 m <sup>3</sup> /hr
Port Size	1/2" MNPT	3/4" 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)				
Lamp Change Reminder	YES (4-digit LED display)				
Visual Lamp Out Indicator	YES				
Audible Lamp Out Indicator	YES				
Shipping Weight	9.9 lbs	11.2 lbs	12.4 lbs	17 lbs	20.2 lbs

## Conditions For Use

Your system will provide years of use provided the system is maintained on a regular basis as per the specifications outlined in the Owner's Manual. For the following system to perform as tested, the following water quality parameters must be met.

Parameter	Level
Hardness	< 120 mg/L (7 gpg)
Iron (Fe)	< 0.3 mg/L (ppm)
Manganese (Mn)	< 0.05 mg/L (ppm)
Tannins	< 0.1 mg/L (ppm)
Turbidity	< 1 NTU
Transmittance	> 75% UVT

For levels outside those specified in the table above, please contact the factory for further technical assistance.

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