



All-in-One Series

Fully Integrated Water Treatment Systems



MD-1004 with optional Electronic De-scaling system

Water Quality Parameters

Optimum performance of this UV system is dependant on the quality of the source water being treated. UV disinfection requires certain parameters for optimum performance and these include the following:

Iron	< 0.3 ppm
Manganese	< 0.05 ppm
Hardness	< 7 gpg
Turbidity	<1 NTU
Tannins	< 0.1 ppm
UV Transmittance	>75%

The All-in-One Series of integrated water treatment systems is designed to provide exceptional pre-treatment to your water supply including multiple levels of filtration, electronic water conditioning to prevent and reduce sclae build-up in your plumbing system, and UV Disinfection to ensure the safety of your water supply.

All-in-One Series Model		Model MD-1003	Model MD-1004	Model MD-1006
Rated Flow		30 LPM 8 GPM	45.5 LPM 12 GPM	114 LPM 30 GPM
UV Dose at Rated Flow*		41 mJ/cm2	32 mJ/cm2	31 mJ/cm2
System Size	Length	96 cm 37.75 in	96 cm 37.75 in	132 cm 52 in
	Height	114 cm 45 in	114 cm 45 in	122 cm 48 in
Electrical	Volts	100-230 V 50-60 Hz	100-230 V 50-60 Hz	100-230 V 50-60 Hz
	120V Nominal Input Power Consumption	44.4 VA	72 VA	192 VA
	Max Lamp Power (W)	40 W	84 W	120 W
Number of Lamps Part Number		1 RL-40/867T5	1 RL-84/893T5	1 RL-100/1197T6
Max Operating Pressure		125 psi 8.6 bar	125 psi 8.6 bar	125 psi 8.6 bar
Max Operating Temp		37°C	37°C	37°C
Port Size / In-Out		3/4" NPT	1" NPT	1.5" NPT
Audible and/or Visual Lamp Failure Alarm		Yes	Yes	Yes
Filter Set **		3 Stage	3 Stage BB	3 Stage BB
UV Intensity Monitor (254 nm)		Optional	Optional	Optional
Electronic De-Scaling System		Optional	Optional	Optional
Solenoid Valve		Optional	Optional	Optional
Approx Shipping Weight		79.5 kg. 175 lbs.	84 kg. 185 lbs.	109 kg. 240 lbs.

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* UV Dose (Fluence) at 95% UVT and EOL. ** Filter Set 5M Sediment, GAC, 10M Carbon Block, other configurations available