

# SAFE CLEAN DRINKING WATER



## ULTRAVIOLET DISINFECTION SYSTEMS



SI Series – Perfect for point-of-entry (POE) home & cottage applications



CT Series – Ideally suited for POE applications with high flow rates and constant flow demand

Most private homes receive their water from a municipal supply, a private well or surface water (i.e. lake, dugout). Each source has the potential to become contaminated in many different ways.

By installing a UV disinfection system in your home you can eliminate the possibility of drinking contaminated water (i.e. E.coli, fecal coliform, Cryptosporidium/Beaver Fever).

Ultraviolet light is nature's way of disinfecting your water. UV light penetrates microorganisms, disrupting their DNA and preventing them from multiplying. Additionally, UV does not impart any taste or odour to the water and does not require any chemicals.

## BENEFITS

- Clean, safe water gives you peace of mind
- 99.99% reduction of bacteria, virus and protozoan cysts (Cryptosporidium Giardia Lamblia)
- Chemical-free, cost effective treatment
- Low maintenance & easily serviced by the homeowner
- Lamp can be changed without interrupting the water flow
- Perfect for home, farm, cottage and light commercial applications
- No lugging heavy bottles. Better for the environment

## FEATURES

- Seven year warranty on reactor chamber, five years on electrical hardware & one year on lamp
- Audible lamp failure indicator
- Visual LED display shows lamp life remaining and total days of operation
- Stainless steel reactor chamber provides long life and prevents degradation from exposure to high intensity UV light
- UV lamps feature proprietary coating allowing consistent UV output over the entire life of the lamp (9000 hours)

UV SPECIFICATIONS		CP-1 (40010006)	CT-8 (40010004)	CT-13 (40010005)	SI-6 (40010001)	SI-10 (40010002)	SI-15 (40010003)
Flow Rate 95% UVT	US Public Health (16mJ/cm <sup>2</sup> )	7.5 lpm (2.0 gpm) (0.5 m <sup>3</sup> /Hr)	56.8 lpm (15.0 gpm) (3.4 m <sup>3</sup> /Hr)	94.6 lpm (25.0 gpm) (5.7 m <sup>3</sup> /Hr)	41.5 lpm (11.0 gpm) (2.5 m <sup>3</sup> /Hr)	75.7 lpm (20.0 gpm) (4.5 m <sup>3</sup> /Hr)	110.0 lpm (29.1 gpm) (6.6 m <sup>3</sup> /Hr)
	Industry Standard (30 mJ/cm <sup>2</sup> )	4.0 lpm (1.1 gpm) (0.2 m <sup>3</sup> /Hr)	30.3 lpm (8.0 gpm) (1.8 m <sup>3</sup> /Hr)	49.2 lpm (13.0 gpm) (3.0 m <sup>3</sup> /Hr)	22.7 lpm (6.0 gpm) (1.4 m <sup>3</sup> /Hr)	37.9 lpm (10.0 gpm) (2.3 m <sup>3</sup> /Hr)	57.0 lpm (15.1 gpm) (3.4 m <sup>3</sup> /Hr)
	NSF/EPA (40 mJ/cm <sup>2</sup> )	2.0 lpm (0.5 gpm) (0.1 m <sup>3</sup> /Hr)	22.7 lpm (6.0 gpm) (1.4 m <sup>3</sup> /Hr)	37.8 lpm (10.0 gpm) (2.3 m <sup>3</sup> /Hr)	17.0 lpm (4.5 gpm) (1.0 m <sup>3</sup> /Hr)	29.3 lpm (7.7 gpm) (1.8 m <sup>3</sup> /Hr)	42.0 lpm (11.1 gpm) (2.5 m <sup>3</sup> /Hr)
Dimensions	Length	34.3 cm (13.5")	45.2 cm (17.8")	57.9 cm (22.8")	53.3 cm (21.0")	90.0 cm (35.4")	94.0cm (37.0")
	Diameter	6.5 cm (2.5")	8.9 cm (3.5")	8.9 cm (3.5")	6.4 cm (2.5")	6.4 cm (2.5")	8.9 cm (3.5")
	Controller	NA	24.1x8.1x6.4 cm (9.4"x3.2"x2.5")	24.1x8.1x6.4 cm (9.4"x3.2"x2.5")	19x8.1x6.4 cm (7.3"x3.2"x2.5")	19x8.1x6.4 cm (7.3"x3.2"x2.5")	19x8.1x6.4 cm (7.3"x3.2"x2.5")
Inlet/Outlet Port Size		Combo 3/8" FNPT, 1/2"MNPT	Combo 3/4" FNPT, 1"MNPT	1" MNPT	3/4" MNPT	3/4" MNPT	Combo 3/4" FNPT, 1"MNPT
Shipping Weight		1.8 kg (4.0 lbs)	5.4 kg (11.9 lbs)	6.8 kg (15.0 lbs)	2.7 kg (6.0 lbs)	4.5 kg (9.9 lbs)	5.9 kg (13.0 lbs)
Electrical	Volts	120-130V 50-60Hz	100-240V 50-60Hz	100-240V 50-60Hz	100-240V 50-60Hz	100-240V 50-60Hz	100-240V 50-60Hz
	Power Consumption	12W	35W	42W	30W	45W	48W
	Lamp Power	10W	30W	36W	24W	37W	39W
Ambient Temperature		2-40 °C (36-104°F)	2-40 °C (36-104°F)	2-40 °C (36-104°F)	2-40 °C (36-104°F)	2-40 °C (36-104°F)	2-40 °C (36-104°F)
Maximum Operating Pressure		8.62 bar (125 PSI)	8.62 bar (125 PSI)	8.62 bar (125 PSI)	8.62 bar (125 PSI)	8.62 bar (125 PSI)	8.62 bar (125 PSI)
Audible Lamp Failure			YES	YES	YES	YES	YES
Visual "Power On"		YES	YES	YES	YES	YES	YES
Reactor Chamber Material		304 S.S.	304 S.S.	304 S.S.	304 S.S.	304 S.S.	304 S.S.
Lamp Replacement Indicator		NO	YES	YES	YES	YES	YES
Lamp Type		Standard Output	High output	High output	Standard Output	Standard Output	Standard Output
Visual Lamp Life Remaining		NO	YES	YES	YES	YES	YES
Total Remaining Time		NO	YES	YES	YES	YES	YES

- Monitored & NSF Approved models are available upon request.

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