

Crusader Ultraviolet

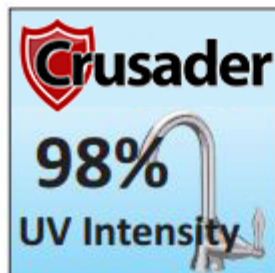
Crusader Ultraviolet Disinfection Systems are designed to address bacteria, mold, fungus, virus, and other reactive chemistries in filtered water at flow rates of up to 39 GPM.

Crusader's Ultraviolet Systems are designed and built in Canada to ensure quality, reliability, and supply chain stability.

- All lamps are manufactured in North America with less than 10mg of mercury
- Axial flow UV chamber designed to meet ASME pressure vessel standards
- Fully potted ballast in splash proof case to help prevent water damage
- Numerous international certifications such as NSF and WaterMark



The Crusader Ultraviolet Disinfection System is designed to provide many years of reliable service. The onboard computer controller includes an intuitive display and messaging system to aid you in understanding the status of your system. This controller is compatible with optional accessories, like UV monitor, Relay control system, Automation system interface, and our Internet monitoring interface.



www.crusaderwater.com

Water Disinfection System

	CWS5-031 CWS5-03-12V CWS5-03-24V	CWS5-061 CWS5-06-12V CWS5-06-24V	CWS5-101 CWS5-10-24V	CWS5-151	CWS5-201
Crusader Flow Rate (@16 mJ/cm ² 95% UVT)	6 GPM	11 GPM	20 GPM ¹	30 GPM ²	39.2 GPM ²
	23 lpm	41 lpm	77 lpm ¹	113.6 lpm ²	150 lpm ²
	1.4 m ³ /hr	2.5 m ³ /hr	4.6 m ³ /hr ¹	6.8 m ³ /hr ²	8.9 m ³ /hr ²
Crusader Flow Rate (@30 mJ/cm ² 95% UVT)	3 GPM	6 GPM	11 GPM	15 GPM	21 GPM
	11.4 lpm	22.7 lpm	41 lpm	56.8 lpm	79 lpm
	0.7 m ³ /hr	1.4 m ³ /hr	2.5 m ³ /hr	3.4 m ³ /hr	4.8 m ³ /hr
Crusader Flow Rate (@40 mJ/cm ² 95% UVT)	2.4 GPM	4.4 GPM	8.3 GPM	12 GPM	16 GPM
	9.1 lpm	17 lpm	31 lpm	45.4 lpm	59 lpm
	0.5 m ³ /hr	1.0 m ³ /hr	1.9 m ³ /hr	2.7 m ³ /hr	3.6 m ³ /hr
Port Size	.5" MNPT	.75" MNPT	.75" MNPT	1" MNPT	1" MNPT
Electrical	90-265V/50-60Hz.				
Plug Type	North American, NEMA 5-15, 3-wire for all 110V				
Lamp Watts	15	22	39	50	42
Power (Watts)	20	30	49	62	51
Replacement Lamp	RL-290	RL-470	RL-820	FL-999	RL-850
Replacement Sleeve	RQ-290	RQ-470	RQ-820	RQ-999	RQ-850
Reactor Dimensions	2.5 x 14.3"	2.5 x 21.3"	2.5 x 35.2"	2.5 x 40.0"	3.5 x 36.1"
Chamber Material	Polished 304 Stainless Steel, A249 Pressure Rated Tubing				
Controller Dimensions	6.8 x 3.6 x 3"				
Operating Pressure	0.7 - 10.3 bar (10 - 150 psi)				
Operating Water Temperature	36 - 104°F				
UV Monitor Port (Upgradeability)	No	Yes			
Solenoid Output	Yes, but requires optional solenoid module				
4-20 mA Output	Yes, but requires options 4-20 mA module				
Lamp Change Reminder (Audible and Visual)	Yes				
Lamp-Out Indicator (Audible and Visual)	Yes				
Shipping Weight (lbs)	7.3 lbs	9.3 lbs	15 lbs	17.6 lbs	16.5 lbs