

Model	Flow Rate	Replacement UV Lamp*	Replacement Quartz Sleeve	Replacement Controller	Replacement UV Sensor
SPV-1.5	1.5 gpm (5.7 lpm) (0.3 m <sup>3</sup> /hr)	S100RL-HO	QS-100	SPC-ICE-HO	254NM-FP2
SPV-2.5	2.5 gpm (9.5 lpm) (0.6 m <sup>3</sup> /hr)	S150RL-HO	QS-150	SPC-ICE-HO	254NM-FP2
SPV-3.5	3.5 gpm (13.2 lpm) (0.8 m <sup>3</sup> /hr)	S200RL-HO	QS-200	SPC-ICE-HO	254NM-FP2
SPV-6	6 gpm (22.7 lpm) (1.4 m <sup>3</sup> /hr)	S320RL-HO	QS-320	SPC-ICE-HO	254NM-FP2
SPV-8	8 gpm (30.3 lpm) (1.8 m <sup>3</sup> /hr)	S410RL-HO	QS-410	SPC-ICE-HO	254NM-FP2
SPV-12	12 gpm (45.4 lpm) (2.7 m <sup>3</sup> /hr)	S600RL-HO	QS-600	SPC-ICE-HO	254NM-FP2
SPV-15	15 gpm (56.8 lpm) (3.4 m <sup>3</sup> /hr)	S740RL-HO	QS-740	SPC-ICE-HO	254NM-FP2
SPV-20	20 gpm (75.7 lpm) (4.5 m <sup>3</sup> /hr)	S950RL-HO	QS-950	SPC-ICE-HO	254NM-FP2

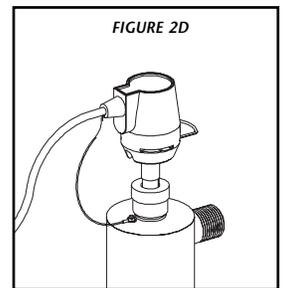
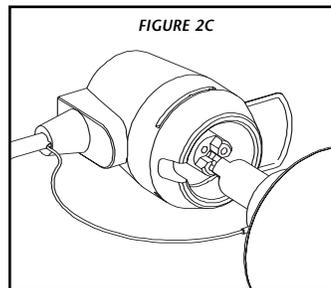
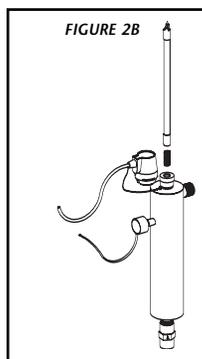
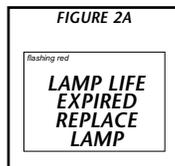
\* Ultraviolet lamps are rated for 9000 hours of operation. Lamps must be changed annually.

Note: Please contact factory for list of authorized distributors in your area - t. 519.763.1032 t.f. 1.800.265.7246

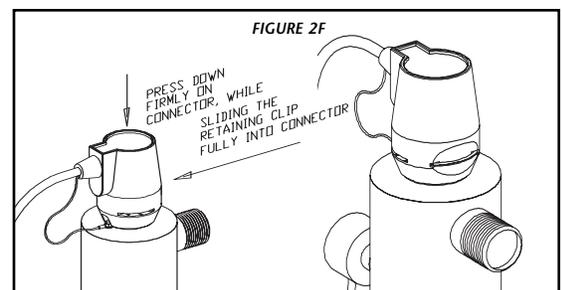
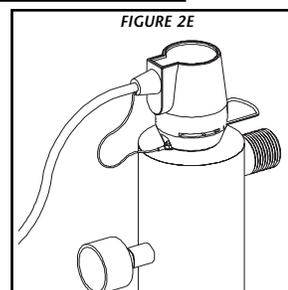
## LAMP INSTALLATION/REPLACEMENT:

1. To replace the lamp, there is NO need to disconnect the system from the water supply, nor to drain the water from the reactor chamber. Lamp replacement is a quick and simple procedure requiring no additional or special tools. The UV lamp must be replaced after 9,000 hours of continuous operation (approximately one year) in order to ensure adequate disinfection. The controller will indicate when it is time to change the lamp (Figure 2a). As a measure of safety, this should be done even if the monitoring system that is included with the system indicates that the intensity of the lamp is still in a safe region.
2. Disconnect main power source and allow the unit to power down. Remove the Safety-Loc™ connector by sliding the metal retaining ring (Figure 2e) away from the body of the connector. Remove connector and lamp from the reactor chamber. Once you can visually see the lamp, separate the lamp from the connector (Figure 2c). Do not twist the lamp from the connector, simply slide the two apart. Avoid touching the lamp on the glass portion. Handling the lamp at the ceramic ends is acceptable, however if you must touch the lamp glass, please use gloves, or a soft cloth. Fully remove the lamp from the reactor chamber being careful not to angle the lamp as it is removed from the chamber. If the lamp is removed on an angle, pressure will be applied on the inside of the quartz sleeve, causing the sleeve to fracture.
3. To install a new lamp, first remove the lamp from its protective packaging again being careful not to touch the lamp "glass" itself. Carefully insert the lamp into the reactor vessel (actually inside the quartz sleeve) (Figure 2b). Insert the lamp fully into the chamber leaving about two inches of the lamp protruding from the chamber. Next, attach the Safety-Loc™ connector on the UV lamp. The connector is "keyed" and will only allow correct installation in one position. Ensure the connector is fully seated onto the UV lamp (Figure 2d).
4. Once the lamp is fully seated on the connector, slide the Safety-Loc™ connector over the aluminum retaining nut. Make sure the metal retaining ring on the Safety-Loc™ connector is pulled away from the body of the connector in order that the connector may slide fully over the retaining nut. Once the connector is located fully over the retaining nut, slide the metal ring back in to lock the connector in place (Figure 2f). As this Safety-Loc™ connector is keyed to the reactor chamber, make sure the depression on the connector (Figure 2e) is located over the ground lug located on the reactor chamber

**Note:** Even though the Safety-Loc™ connector contains an integral safety interlock switch which prevents the lamp from physically being illuminated when the lamp is removed from the chamber, it is still imperative that the system be disconnected from the power source before removing the lamp or working on the system.



**ensuring the safety of your water**



425 Clair Road West • Guelph, ON • N1L 1R1 • Canada  
t. 519.763.1032 • t.f. 1.800.265.7246 • f. 519.763.5069  
e. water@r-can.com • i. www.r-can.com



System Tested and Certified by NSF International against NSF/ANSI Standard 55 for Disinfection Performance, Class A.  
MODELS: SPV-1.5, SPV-2.5, SPV-3.5, SPV-6, SPV-8, SPV-12, SPV-15, SPV-20

P/N 520068