



SENTRY
UV INC.

ULTRA VIOLET LIGHT SYSTEM



SENTRY ULTRA VIOLET LIGHT SPECIFICATIONS

1. The UV sterilizer for the body of water shall be low pressure, high output amalgam.
2. The Sentry UV system shall be NSF International standard 50 listed, and certified for use in pools and spas.
3. The electrical wiring, breakers, and disconnect boxes provided at the facility shall be UL listed components.
4. The UV system will be capable of operating at 254nm for sterilizing and 185nm for oxidizing.
5. The UV system shall be plumbed into the main circulation of the pool or spa ensuring that all water passes past the lamp (s).
6. The UV system shall have a light intensity meter monitoring the 254nm wave length.
7. The UV system shall have an hour meter for tracking operation hours of lamps and sleeves.

MODELS AVAILABLE:

SAG 120-APVC	(up to 100gpm)
SAG 240-APVC	(up to 175gpm)
SAG 120-A	(up to 51gpm)
SAG 240-A	(up to 120gpm)
SAG 480-A	(up to 311gpm)
SAG 720-A	(up to 525gpm)
SAG 960-A	(up to 649gpm)
SAG 1200-A	(up to 900gpm)

8. The UV system is capable of functioning in temperatures water between 10C and 40C.
9. The UV system will operate at a minimum of 45 MJ/CM2
10. The UV system shall have quick disconnect sleeves for easy removal for maintenance and cleaning.
11. The UV chamber shall be capable of being mounted horizontally or vertically.
12. The power supply shall be mounted to the wall of an interior pump room.
13. The UV system comprises of one power supply and one sterilizing chamber (number of lamps in chamber will be model specific).
14. The UV system shall be pre-wired, ready for field connection of power tied to the pool pump and control circuits. The plumbing of the chamber and accessories shall be done at the time of the installation.
15. The Sentry UV system shall be capable of satisfactory performance if installed as per the manufacturer's recommendations (reference the Sentry UV installation manual). An authorized representative shall be located within a reasonable distance of the facility and shall be available to install and service the system as required.
16. The UV power supply system shall be bonded via the bonding lug to the local common bonding grid. (ALL EQUIPMENT MUST BE BONDED) The bonding connector shall be conductively connected to the grounding means.

17. The Sentry UV power supply shall have no fans.
18. a) The manufacturer warrants the electrical components, pumps and cell containment tank of the Sentry UV system to be free of defects for one year from date of installation.
19. Technical support and equipment information is available at 800-536-8180

ELECTRICAL SPECIFICATIONS

MODEL:	MAX PRIMARY AC AMPS	SYSTEM INPUT VOLTAGE	BREAKER REQUIRED
SAG 120-APVC	1.2	120	10
SAG 240-APVC	2.4	120	10
SAG 120-A	1.2	120	10
SAG 240-A	2.4	120	10
SAG 480-A	4.8	120	10
SAG 720-A	7.2	120	20
SAG 960-A	9.6	120	20
SAG 1200-A	12	120	20

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