

# SAG A-CR series

-SENTRY AQUA GUARD-  
High output amalgam UV  
systems for commercial  
pools and spa's



ChlorKing's Sentry Aqua Guard stainless steel CR ultraviolet light systems are leading the way to better, safer water. Their unique, forward-thinking design employs high output amalgam technology for better chloramine control and inactivation of chlorine resistant bacteria. Sentry Aqua Guard systems are designed for commercial pools and spa's, and they pay for themselves through lower cost of operation and a longer lasting system.

Custom high output amalgam lamps used in the SAG series are proven to be the most effective lamps used in the aquatic industry. Low heat generation allows these UV system to operate in a variety of aquatic facilities and not destroy free chlorine, while still reducing chloramines for indoor air quality enhancement.

#### LONGEST LAMP LIFE

Our 13,000 hour amalgam lamps sets the standard for the aquatic industry, with cost effective, easy to replace lamps.

#### SECONDARY DISINFECTION

SAG systems have been third party validated by NSF to confirm a minimum inactivation equivalent of 3 log (99.9%) cryptosporidium parvum in accordance with NSF 50 and the US EPA UV DGM.

SAG systems have also met the requirements of NSF/ANSI 50, Annex H.1 Disinfection efficacy for a minimum of a 3 log (99.9%) reduction of enterococcus faecium and pseudomonas aeruginosa.

#### VESSEL CONSTRUCTION FOR STAINLESS-CR SERIES

- 316L stainless steel electropolished
- 316L stainless steel removable top with lamp bosses.
- 316L stainless steel quick disconnect clamps for easy quartz sleeve removal.

#### FEATURES OF THE STAINLESS STEEL CR SERIES

- High output amalgam lamps for chloramine reduction
- 254 & 185nm wave length lamps
- 13,000 hour lamps and sleeves
- Ozone generated in sleeves for hydroxyl radical production
- Protection against cryptosporidium and other pathogens
- Vertical or horizontal installation
- 5 models available with flow rates from 46 - 1,141 GPM

#### MICROPROCESSOR CONTROLS

- Graphic display with touch controls for menu selection
- W / m2 or mW / cm2 UV intensity display
- mJ / cm2 UV dose display
- Flow meter or flow switch input with flow display
- Flow rate actual reading capability (with flow meter)
- Safety cover monitoring
- Individual lamp and ballast monitoring with alarm
- Vessel water temperature monitoring
- Additional dry contact or low voltage DC output for additional alarm functions

# SAG A-CR Series specifications & dimensions

Model	Lamps	Max flow rate @ 91% UVT (GPM)	Port size	Amps @ 120VAC	Max PSI	Enclosure dimensions (W x H x D)
<b>SAG 120A-CR</b>	1	46	2" flanges	1.2	50	13" x 17" x 6.5"
<b>SAG 240A-CR</b>	2	119	3" flanges	2.4	50	13" x 17" x 6.5"
<b>SAG 480A-CR</b>	4	352	4" flanges	4.8	50	17" x 21" x 6.5"
<b>SAG 720A-CR</b>	6	620	6" flanges	7.2	50	17" x 21" x 6.5"
<b>SAG 960A-CR</b>	8	770	6" flanges	9.6	50	25" x 25" x 8.5"
<b>SAG 1200A-CR</b>	10	1141	8 or 10" flanges	12	50	25" x 25" x 8.5"

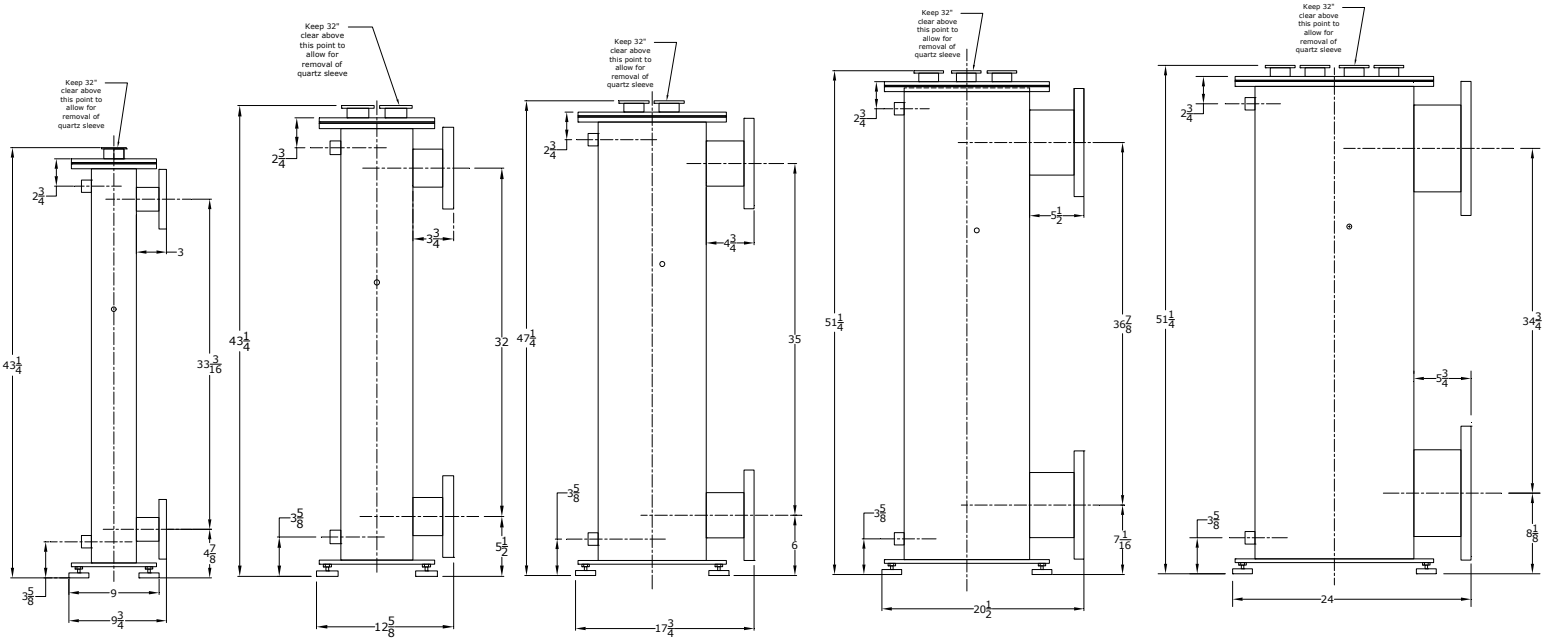
SAG 120-CR

SAG 240A-CR

SAG 480A-CR

SAG 720 & 960A-CR

SAG 1200A-CR



ChlorKing pioneered on-site chlorine generating technology in the 1970's. Realizing the potential for swimming pools and commercial applications, the company began generating "ultimate water" with simple, yet highly advanced technology. Today, ChlorKing® leads the way in commercial saline chlorination and is consistently seeking new frontiers in sanitizing solutions including ultraviolet light technology and their NEXGEN® pH onsite chlorine generators. These environmentally friendly solutions are changing the way we treat H<sub>2</sub>O.



Saferwaterthroughsmartertechnology.

Salt Chlorination Systems • Ultraviolet Light Systems • Hypochlorous Acid Generators