

SAG120A

Description: Designed to treat water with flows of up to 50 gallons per minute (to achieve 45MJ/CM2). The SAG120A uses low pressure high output amalgam lamp technology to achieve a 4 log reduction for cryptosporidium and other similar pathogens (Chlorine Resistant Bacteria) in water. (Chloramines destruction) Sentry UV's are design for commercial use in many different applications.

The SAG120A is designed with a unique patented quick disconnect that allows for easy access to lamps and sleeves while taking up limited space in an in-line system. This provides a significant advantage for those applications where space is limited and allows it to fit in most retrofit locations either mounted vertically or horizontally. Improves water and air quality.

The SAG120A offers additional killing power due to highly polished and reflective interior 316L stainless steel. This new reactor design allows for our newly designed multiple wave length lamps that will perform at maximum 254nm and 185nm in water temps up to 104 degrees F. These new lamps outlast regular low-pressure lamps by 4,000 hours and medium pressure lamps by 7,000 hours.

There is no need for expensive automated wipers on our SAG120A as our patented Quick Disconnect sleeves allow for complete and thorough removal and wiping in just minutes. Much less than medium pressure, longer lasting and better built than low cost PVC system. We also offer an acid wash system. Comes with safety sensors, pressure and flow switch sensors. Audible or LED alarm for loss of wave length. Safety cover removal cover. User-friendly/Environmentally-friendly.

Will need 33" from top for lamp exchange



2" flanges

43 7/8" from base to top of lamp

Z-Pattern

8 1/4" square base Z or U pattern inlet/outlet Available

CHAMBER:

Rated flow:	50gpm to achieve 45 mJ/cm2 120v at 95%T
Electrical:	120w multiple wave length
Maximum lamp power:	1 (254nm & 185nm wave lengths)
Number of lamps:	1
Quick disconnects:	104 degrees F
Max water operating temp:	50 psi
Maximum operating pressure:	2" Flanges (same side or opposite)
Plumbing:	8 1/4"W x 43 7/8"H Power
Chamber size:	Box:13"WX17"H
	316L stainless steel
Chamber material:	Commercial or industrial use
Application:	13,000 hours
Lamp life:	120w amalgam
Lamp power:	1.2 amps@ 120v
Lamp current:	12/gms/hr ozone or1 watt of 185nm UV will produce
OH produced:	6 x 10 ⁶ - 7 moles of OH per second in water.

CONTROL PANEL:

Power:	1.2 amps@ 120v
Safety:	Sensor monitors sleeve fouling and or loss of 254nm sterilizing wave length. Sensor detects lamp outage. Glow fitting on top of lamp will also alert of lamp outage.
Lamp monitoring:	Logs lamp hours and sleeve replacement hours. Lighted on/off switch shows if power is on or off. Available to capture broken glass.
Hour meter:	NSF 50,UL-1081 & CSA-C22.2 tested/certified
Switch:	Applications: Most any commercial water use.
Strainer:	Product code: SAG120A

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120 Watt PVC Chamber R1

