

SAG 240-A

Description: Designed to treat swimming pool and spa's with flows of up to 120 gallons per minute. The SAG 240-A is your answer to cryptosporidium control and chloramines destruction in commercial swimming pools and spa's. The SAG 240-A uses low pressure high output amalgam lamp technology to achieve a 4 log reduction for cryptosporidium and other similar pathogens in water. The SAG-240-A is designed with a unique 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.

The SAG 240-A offers additional killing power due to highly polished and reflective 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 130 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 SAG 240-A as our patent pending 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.

The SAG 240-A is designed and built to work in fresh water and salt water pools.



SAG 240-A

CHAMBER:

Rated flow:	120gpm to achieve 45 mJ/cm2
Electrical:	120v or 220v
Maximum lamp power:	120w multiple wave length
Number of lamps:	2 (254nm & 185nm wave lengths)
Quick disconnects:	2
Max water operating temp:	130 degrees F.
Maximum operating pressure:	50 psi
Plumbing:	3" unions
Chamber size:	3' x 48 1/8" long
Chamber material:	316L stainless steel
Application:	Commercial or industrial use
Lamp life:	13,000 hours
Lamp power:	120w amalgam
Lamp current:	2.4 amps @ 120v or 1.2 amps @ 220v
OH produced:	1 watt of 185nm UV will produce 6 x 10 ¹⁶ - 7 moles of OH per second in water.

CONTROL PANEL:

Power:	2.4 amps @ 120v or 1.2 amps @ 220v
Safety:	Thermally protected automatically shuts down if abnormal temp is reached.
Additional safety:	Sensor monitors sleeve fouling and or loss of 254nm sterilizing wave length.
Lamp monitoring:	Sensor detects lamp outage. Glow fitting on top of lamp will also alert of lamp outage.
Audible alarm	Sounds if 254nm is lost or sleeves need service
Switch:	Lighted on/off switch shows if power is on or off.
Strainer:	Available to capture broken glass



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