

Sentry UV

HIGH OUTPUT AMALGAM UV SYSTEM

SAG240A

Description: Designed to treat water with flows of up to 120 gallons per minute (to achieve 45MJ/CM2). The SAG240A 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 SAG240A 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 SAG240A 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 SAG240A 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 min. 33" from top for lamp for exchange



2" flanges

43 7/8" from base to top of lamp

U-Pattern

10 3/8" square base Z or U pattern inlet/outlet Available

CHAMBER:

Rated flow:	120gpm to achieve 45 mJ/cm2 at 95%T
Electrical:	120v
Maximum lamp power:	120w multiple wave length
Number of lamps:	2(254nm & 185nm wave lengths
Quick disconnects:	2
Max water operating temp:	104 degrees F.
Maximum operating pressure:	50 psi
Plumbing:	2" Flanges (same side or opposite)
Chamber size:	10 3/8
Power Box	13"WX17"H
Chamber material:	316L stainless steel
Application:	Commercial or industrial use
Lamp life:	13,000 hours
Lamp power:	120w amalgam
Lamp current:	1.2 amps@ 120vX 2 =2.4 amps
OH produced:	24/gms/hr ozone or1 watt of 185nm UV will produce 6 x 10 ¹⁷ - 7 moles of OH per second in water.

CONTROL PANEL:

Power:	2.4 amps@ 120v
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. Logs lamp hours and sleeve replacement hours.
Hour meter:	Lighted on/off switch shows if power is on or off.
Switch:	Available to capture broken glass.
Strainer:	NSF 50,UL-1081 & CSA-C22.2 tested/certified Applications: Most any commercial water use. Product code: SAG240A

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