

SAG 120A

Description: Designed to treat water with flows of up to 51 gallons per minute (to achieve 45MJ/CM2). The SAG 120-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-120A 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 120-A 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 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 120-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.

Will need 33" from
top for lamp for exchange



46" from base
to top of lamp

CHAMBER:

Rated flow:	51gpm to achieve 45 mJ/cm2
Electrical:	120v
Maximum lamp power:	120w multiple wave length
Number of lamps:	1 (254nm & 185nm wave lengths)
Quick disconnects:	1
Max water operating temp:	130 degrees F.
Maximum operating pressure:	50 psi
Plumbing:	2" Flanges (same side or opposite)
Chamber size:	4" x 46" long
Chamber material:	316L stainless steel
Application:	Commercial or industrial use
Lamp life:	13,000 hours
Lamp power:	120w amalgam
Lamp current:	1.2 amps @ 120v
OH produced:	1 watt of 185nm UV will produce 6 x 10 ⁸ - 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.
Lamp monitoring:	Sensor detects lamp outage. Glow fitting on top of lamp will also alert of lamp outage.
Hour meter:	Logs lamp hours and sleeve replacement hours.
Switch:	Lighted on/off switch shows if power is on or off.
Strainer:	Available to capture broken glass.



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