

# SAG240APVC

**Description:** Designed to treat water with flows of up to 150 gallons per minute (to achieve 45MJ/CM2). The SAG240APVC 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 SAG240APVC 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 SAG240APVC offers additional killing power due to highly polished and reflective interior 316L stainless steel liner. 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. while increasing flow rate 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 SAG240APVC as our patented Quick Disconnect sleeves allow for complete and thorough removal and wiping in just minutes. Also easy inspection of sleeve and O-rings. Cost 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" min. from  
top for lamp exchange



2" UNIONS

44.188" from  
base to top of  
chamber

## U-Pattern

U pattern inlet/outlet Available

### CHAMBER:

Rated flow:	150gpm 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:	3 Unions (same side or opposite)
Chamber size:	11" W base 44.188H
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:	2.4 amps@ 120v
OH produced:	24gms/hr ozone or 1 watt of 185nm UV will produce 6 x 10 <sup>17</sup> - 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.
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.
	NSF 50,UL-1081 & CSA-C22.2 tested/certified
	Applications: Most any commercial water use.
	Product code: SAG240APVC

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# 240 Watt PVC Chamber R1

