

Sentry UV

The Clear Solution

SAG 120-APV

Description: Designed to treat swimming pool and spa's and many other applications with flows of up to 100 gallons per minute. The SAG 120-APVC is your answer to cryptosporidium control and chloramines destruction in commercial swimming pools and spas and other applications. The SAG 120-APVC uses low pressure high output amalgam lamp technology to achieve a 4 log reduction for cryptosporidium and other similar pathogens in water while offering some oxidation of organics.

The SAG 120-APVC is designed with a unique quick disconnect double sealed sleeve 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-APVC offers additional killing power due to a highly polished and reflective interior 316L stainless steel lining. No breaking down of the PVC into harmful contaminants. This new reactor design allows for our newly designed multiple wave length lamps that will perform at maximum 254nm 30% greater than MP systems and 185nm for oxidation of organics 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-APVC as our patented Quick Disconnect double sealed sleeves that allow for complete and thorough removal, inspection and wiping in just minutes. Much less operating cost than medium pressure, longer lasting and better built than low cost PVC system.

The SAG 120-APVC is designed and built to work in fresh water and salt water pools and many other applications.

Will need 33" from
top for lamp for exchange



CHAMBER:

Rated flow:	100gpm 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" unions
Chamber size:	6" x 42 1/2" long
Chamber material:	Schedule 80 PVC with 316L stainless steel lining
Application:	Commercial or industrial use
Lamp life:	13,000 hours
Lamp power:	120w amalgam
Lamp current:	120v
OH produced:	1 watt of 185nm UV will produce 6 x 10 ¹⁶ - 7 moles of OH per second in water.

CONTROL PANEL:

Power:	120v
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. Safety cover shuts down system when removed. Sensor detects lamp outage. Glow fitting on top of lamp will also alert of lamp outage. Logs lamp hours and sleeve replacement hours. Lighted on/off switch shows if power is on or off.
Lamp monitoring:	
Hour meter:	
Switch:	
Strainer:	Available to capture broken glass.

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