

SENTRY  
**ULTRAVIOLET**

Sag 120-A Spec Sheet  
Sag 120-A Spec Sheet

**Description:** Designed to treat swimming pools and spa's with flows of up to 51 gallons per minute. The SAG120-A is your answer to Crypto-sporidium control and chloramines destruction in commercial swimming pools and spa's. The SAG120-A uses low pressure high output Amalgam lamp technology to achieve a 4 log reduction for Cryptosporidium and other similar pathogens in water. The SAG120-A is designed with a unique quick disconnect that allows for easy access to lamps and sleeves while taking up a very limited space as a in-line system. This provides a significant advantage for those applications where there is limited space. The SAG120-A easily retrofits most any application. The SAG120-A also offers additional killing power due to the highly polished (reflective) interior wall of the reactor. This new reactor design allows for the best benefit ever with our newly designed multiple wave length lamps that will perform at maximum 254nm and 185nm in water temps up to 130 degrees. These new lamps out last regular low pressure lamps by 4000 hours and medium pressure lamps by 7000 hours. There is no need for expensive automated wipers as our patent pending Quick Disconnect allows for complete and thorough wiping in just minutes for even our largest system. Much less expensive than medium pressure, much longer lasting and better built than low end stainless tubing and PVC UV systems. The SAG120-A is designed to work in salt water or fresh water pools.

**AFFORDABLE QUALITY AT ITS BEST!**

**RATED FLOW FOR** (Hydraulic inefficiencies will effect the flow rate)

At 51gpm	Initial UV dose at rated flow: 45mJ/cm2
Electrical:	120v
Maximum Lamp Power:	120w Multiple wave length
Number of Lamps:	2 Long life with our new industries longest maximum output of 254nm & 185nm
Sentry's Quick Disconnects	2 (one each sleeve)
Maximum water operating Temperature:	130 degrees F/lamp
Maximum Operating Pressure:	75psi normal operating range 45psi
Plumbing:	2" threaded nipples or 2" flanges
Size:	11 1/4 inches OD X 46 inches Overall Height
Weight:	45 pounds w/2" nipples—50lbs w/ 2" flanges
Chamber material:	304 or 316-L SS
Application:	Commercial or Industrial use
Lamp Life:	13,000 hours Exceeds normal industrial standards by 6,000 hours.
Lamp power:	120w
Lamp current:	1.5 amps
Lamp Voltage:	80v
OH Produced:	1 watt of 185nm UV will produce 6x10 <sup>16</sup> - 7 moles of OH per second in water

**CONTROL PANEL**

Power:	120v
Lamp Current:	1.2 amps
Lamp voltage:	83v
Safety:	Terminally protected automatically shuts down if abnormal operating temperature is reached.
Additional Safety:	Sensor monitors sleeve fowling and or loss of 254nm sterilizing wave length. LED lights on control alerting the above conditions. Sensor detects lamp outage. Glow fitting on top of unit alerting lamp outage.
Hour Meter:	Logs lamp hour and sleeve replacement hours.
Switch:	Lighted on/off switch show power is on or off.
Strainer:	To capture broken glass (Optional)

\*\*Will need 33" clearance from top for lamp exchange



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Sag 240-A Spec Sheet  
Sag 240-A Spec Sheet

**Description:** Designed to treat swimming pools and spa's with flows of up to 120 gallons per minute. The SAG240-A is your answer to Cryptosporidium control and chloramines destruction in commercial swimming pools and spa's . The SAG240-A uses low pressure high output Amalgam lamp technology to achieve a 4 log reduction for Cryptosporidium and other similar pathogens in water. The SAG240-A is designed with a unique quick disconnect that allows for easy access to lamps and sleeves while taking up a very limited space as a in-line system. This provides a significant advantage for those applications where there is limited space. The SAG240-A easily retrofits most any application. The SAG240-A also offers additional killing power due to the highly polished (reflective) interior wall of the reactor. This new reactor design allows for the best benefit ever with our newly designed multiple wave length lamps that will perform at maximum 254nm and 185nm in water temps up to 130 degrees. These new lamps out last regular low pressure lamps by 4000 hours and medium pressure lamps by 7000 hours. There is no need for expensive automated wipers as our patent pending Quick Disconnect allows for complete and thorough wiping in just minutes for even our largest system. Much less expensive than medium pressure, much longer lasting and better built than low end stainless tubing and PVC UV systems. The SAG240-A is designed to work in salt water or fresh water pools.

**AFFORDABLE QUALITY AT ITS BEST!**

**RATED FLOW FOR** (Hydraulic inefficiencies will effect the flow rate)

At 120gpm	Initial UV dose at rated flow: 45mJ/cm2
Electrical:	120v
Maximum Lamp Power:	120w Multiple wave length
Number of Lamps:	2 Long life with our new industries longest maximum output of 254nm & 185nm
Sentry's Quick Disconnects	2 (one each sleeve)
Maximum water operating Temperature:	130 degrees F/lamp
Maximum Operating Pressure:	75psi normal operating range 45psi
Plumbing:	2" threaded nipples or 2" flanges
Size:	7.25 inches OD X 47.25 inches Overall Height
Weight:	45 pounds w/2" nipples—50lbs w/ 2" flanges
Chamber material:	304 or 316-L SS
Application:	Commercial or Industrial use
Lamp Life:	13,000 hours Exceeds normal industrial standards by 6,000 hours.
Lamp power:	120w
Lamp current:	1.2 amps
Lamp Voltage:	83v
OH Produced:	1 watt of 185nm UV will produce 6X10 <sup>16</sup> -7moles of OH per second in water

**CONTROL PANEL**

Power:	120v
Lamp Current:	1.5 amps
Lamp voltage:	83v
Safety:	Terminally protected automatically shuts down if abnormal operating temperature are reached.
Additional Safety:	Sensor monitors sleeve fowling and or loss of 254nm sterilizing wave length. LED lights on control alerting the above conditions. Sensor detects lamp outage. Glow fitting on top of unit alerting lamp outage.
Hour Meter:	Logs lamp hour and sleeve replacement hours.
Switch:	Lighted on/off switch show power is on or off.
Strainer:	To capture broken glass (Optional)



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Sag 480-A Spec Sheet  
Sag 480-A Spec Sheet

\*\*Will need 33"  
clearance from top for  
lamp exchange



**Description:** Designed to treat swimming pools and spa's with flows of up to 311 gallons per minute. The SAG480-A is your answer to Cryptosporidium control and chloramines destruction in commercial swimming pools and spa's. The SAG480-A uses low pressure high output Amalgam lamp technology to achieve a 4 log reduction for Cryptosporidium and other similar pathogens in water. The SAG480-A is designed with a unique quick disconnect that allows for easy access to lamps and sleeves while taking up a very limited space as a in-line system. This provides a significant advantage for those applications where there is limited space. The SAG480-A easily retrofits most any application. The SAG480-A also offers additional killing power due to the highly polished (reflective) interior wall of the reactor. This new reactor design allows for the best benefit ever with our newly designed multiple wave length lamps that will perform at maximum 254nm and 185nm in water temps up to 130 degrees. These new lamps out last regular low pressure lamps by 4000 hours and medium pressure lamps by 7000 hours. There is no need for expensive automated wipers as our patent pending Quick Disconnect allows for complete and thorough wiping in just minutes for even our largest system. Much less expensive than medium pressure, much longer lasting and better built than low end stainless tubing and PVC UV systems. The SAG480-A is designed to work in salt water or fresh water pools.

**AFFORDABLE QUALITY AT ITS BEST!**

**RATED FLOW FOR**

At 311 gpm	Initial UV dose at rated flow: 45 mJ/cm <sup>2</sup>
Electrical:	120v or 220v 50/60 Hz
Maximum Lamp Power:	120w
Number of Lamps:	4 Long life with our new industries longest maximum output of 254nm & 185nm
Sentry's Quick Disconnects	4 each sleeve
Maximum water operating Temperature:	130 degrees F
Maximum Operating Pressure:	120psi normal operating range 45psi
Plumbing:	Available 3" or 4" SS Flanges
Size:	11 1/4 inches OD X 46 inches Overall Height
Weight:	120 pounds
Chamber material:	304 or 316-L SS
Application:	Commercial or Industrial use
Lamp Life:	13,000 hours Exceeds normal industrial standards by 6,000 hours.
Lamp power:	120w
Lamp current:	1.2 A
Lamp Voltage:	83v
OH Produced:	1 watt of 185 nm UV will produce 6X10 <sup>-7</sup> moles of OH per second in water

**CONTROL PANEL**

Power:	120v
Lamp Current:	1.2 amp
Lamp voltage:	83v
Safety:	Terminally protected automatically shuts down if abnormal operating temperature are reached.
Additional Safety:	Sensor monitors sleeve fowling and or loss of 254nm sterilizing wave length. LED lights on control alerting the above conditions. Sensor detects lamp outage. Glow fitting on top of unit alerting lamp outage.
Hour Meter:	Logs lamp hour usage.
Switch:	Lighted on/off switch show power is on or off.

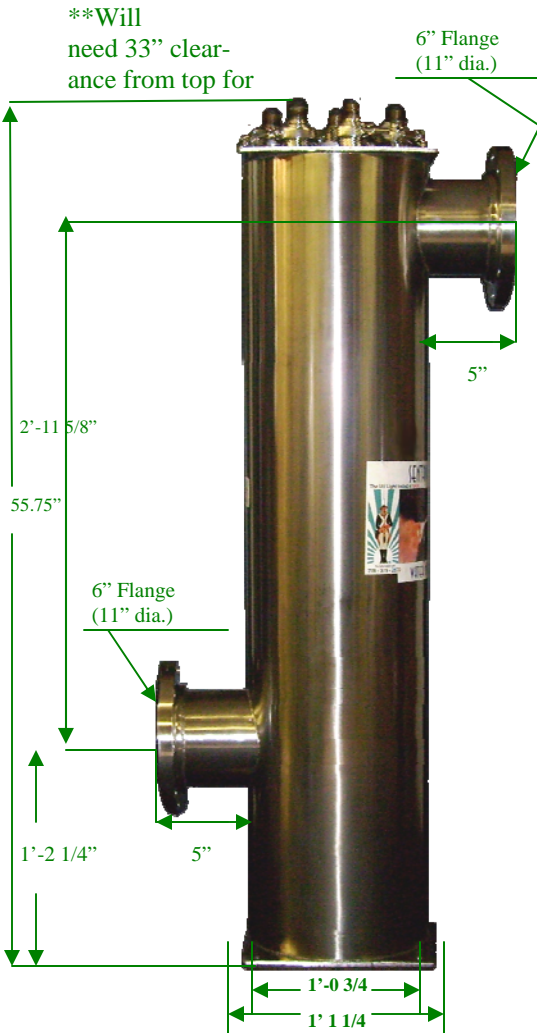
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**ULTRAVIOLET**

Sag 720-A Spec Sheet  
Sag 720-A Spec Sheet

**Description:** Designed to treat swimming pools and spa's with flows of up to 525 gallons per minute. The SAG720-A is your answer to Cryptosporidium control and chloramines destruction in commercial swimming pools and spa's. The SAG720-A uses low pressure high output Amalgam lamp technology to achieve a 4 log reduction for Cryptosporidium and other similar pathogens in water. The SAG720-A is designed with a unique quick disconnect that allows for easy access to lamps and sleeves while taking up a very limited space as a in-line system. This provides a significant advantage for those applications where there is limited space. The SAG720-A easily retrofits most any application. The SAG720-A also offers additional killing power due to the highly polished (reflective) interior wall of the reactor. This new reactor design allows for the best benefit ever with our newly designed multiple wave length lamps that will perform at maximum 254nm and 185nm in water temps up to 130 degrees. These new lamps out last regular low pressure lamps by 4000 hours and medium pressure lamps by 7000 hours. There is no need for expensive automated wipers as our patent pending Quick Disconnect allows for complete and thorough wiping in just minutes for even our largest system. Much less expensive than medium pressure, much longer lasting and better built than low end stainless tubing and PVC UV systems. The SAG720-A is designed to work in salt water or fresh water pools.

\*\*Inlet and outlet flanges can be on opposite sides or both on the same side of the housing.

**AFFORDABLE QUALITY AT ITS BEST!**



\*\*Will need 33" clearance from top for

**RATED FLOW FOR**

At 525gpm	Initial UV dose at rated flow: 45mJ/cm2
Electrical:	120v or 220v 50/60 Hz
Maximum Lamp Power:	120w @ 83V
Number of Lamps:	6 Long life with our new industries longest maximum output of 254nm & 185nm.
Sentry's Quick Disconnects	6 one each sleeve
Maximum water operating Temperature:	130 degrees F
Maximum Operating Pressure:	75psi normal operating range 45psi
Plumbing:	6" SS Flanges
Size:	13 1/4 inches OD X 60 3/4 inches Overall Height
Weight:	210 pounds
Chamber material:	304 or 316-L SS
Application:	Commercial or Industrial use
Lamp Life:	13,000 hours Exceeds normal industrial standards by 6,000 hours.
Inlet/Outlet:	Same side or reverse side as shown
OH Produced:	1 watt of 185nm UV will produce 6X10 <sup>-7</sup> moles of OH per second in water

**CONTROL PANEL**

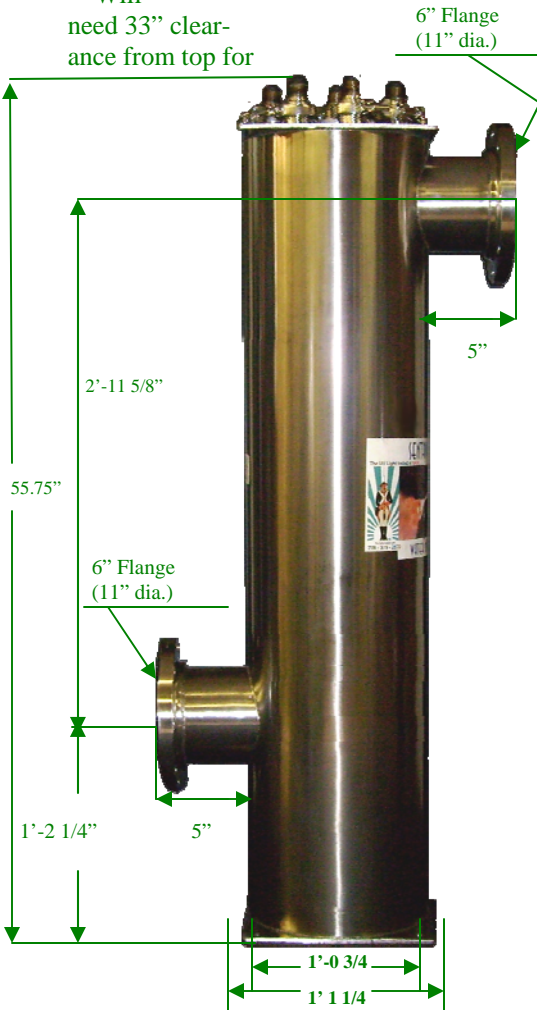
Power:	120v or 240v Available
Safety:	Terminally protected automatically shuts down if abnormal operating temperature are reached.
Additional Safety:	Sensor monitors sleeve fouling and loss of 254nm sterilizing wave length. LED lights on control panel alerting the attendant of the above conditions. LED lights on control panel alerting lamp outage. Also each lamp has its own glow fitting atop each lamp to further Detect lamp outage.
Switch:	Lighted on/off switch shows power is on or off.
Hour Meter:	To Log lamp and sleeve replacement hours
Strainer:	To capture broken glass (Optional)
Power Supply control Panel:	Weight: 24lbs Height: 17 1/2 inches Width: 15 3/4 inches Depth: 6 3/4 inches

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Sag 960-A Spec Sheet  
Sag 960-A Spec Sheet

\*\*Inlet and outlet flanges can be on opposite sides or both on the same side of the housing.

\*\*Will need 33" clearance from top for



**Description:** Designed to treat swimming pools and spa's with flows of up to 649 gallons per minute. The SAG960-A is your answer to Cryptosporidium control and chloramines destruction in commercial swimming pools and spa's. The SAG960-A uses low pressure high output Amalgam lamp technology to achieve a 4 log reduction for Cryptosporidium and other similar pathogens in water. The SAG960-A is designed with a unique quick disconnect that allows for easy access to lamps and sleeves while taking up a very limited space as a in-line system. This provides a significant advantage for those applications where there is limited space. The SAG960-A easily retrofits most any application. The SAG960-A also offers additional killing power due to the highly polished (reflective) interior wall of the reactor. This new reactor design allows for the best benefit ever with our newly designed multiple wave length lamps that will perform at maximum 254nm and 185nm in water temps up to 130 degrees. These new lamps out last regular low pressure lamps by 4000 hours and medium pressure lamps by 7000 hours. There is no need for expensive automated wipers as our patent pending Quick Disconnect allows for complete and thorough wiping in just minutes for even our largest system. Much less expensive than medium pressure, much longer lasting and better built than low end stainless tubing and PVC UV systems. The SAG960-A is designed to work in salt water or fresh water pools.

**AFFORDABLE QUALITY AT ITS BEST!**

**RATED FLOW FOR**

At 649gpm	Initial UV dose at rated flow: 45mJ/cm2
Electrical:	120v or 220v 50/60 Hz
Maximum Lamp Power:	120w @ 83V
Number of Lamps:	8 Long life with our new industries longest maximum output of 254nm & 185nm.
Sentry's Quick Disconnects	8 one each sleeve
Maximum water operating Temperature:	130 degrees F
Maximum Operating Pressure:	75psi normal operating range 45psi
Plumbing:	6" SS Flanges
Size:	13 1/4 inches OD X 60 3/4 inches Overall Height
Weight:	210 pounds
Chamber material:	304 or 316-L SS
Application:	Commercial or Industrial use
Lamp Life:	13,000 hours Exceeds normal industrial standards by 6,000 hours.
Inlet/Outlet:	Same side or reverse side as shown
OH Produced:	1 watt of 185nm UV will produce 6X10 <sup>-7</sup> moles of OH per second in water

**CONTROL PANEL**

Power:	120v or 240v Available
Safety:	Terminally protected automatically shuts down if abnormal operating temperature are reached.
Additional Safety:	Sensor monitors sleeve fouling and loss of 254nm sterilizing wave length. LED lights on control panel alerting the attendant of the above conditions. LED lights on control panel alerting lamp outage. Also each lamp has its own glow fitting atop each lamp to further Detect lamp outage.
Switch:	Lighted on/off switch shows power is on or off.
Hour Meter:	To Log lamp and sleeve replacement hours
Strainer:	To capture broken glass (Optional)
Power Supply control Panel:	Weight: 24lbs Height: 17 1/2 inches Width: 15 3/4 inches Depth: 6 3/4 inches

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*Sag 1200-A Spec Sheet*  
**Sag 1200-A Spec Sheet**

\*\*Will need 33"  
clearance from top  
for lamp exchange



**Description:** Designed to treat swimming pools and spa's with flows of up to 900 gallons per minute. The SAG1200-A is your answer to Cryptosporidium control and chloramines destruction in commercial swimming pools and spa's. The SAG1200-A uses low pressure high output Amalgam lamp technology to achieve a 4 log reduction for Cryptosporidium and other similar pathogens in water. The SAG1200-A is designed with a unique quick disconnect that allows for easy access to lamps and sleeves while taking up a very limited space as a in-line system. This provides a significant advantage for those applications where there is limited space. The SAG1200-A easily retrofits most any application. The SAG1200-A also offers additional killing power due to the highly polished (reflective) interior wall of the reactor. This new reactor design allows for the best benefit ever with our newly designed multiple wave length lamps that will perform at maximum 254nm and 185nm in water temps up to 130 degrees. These new lamps out last regular low pressure lamps by 4000 hours and medium pressure lamps by 7000 hours. There is no need for expensive automated wipers as our patent pending Quick Disconnect allows for complete and thorough wiping in just minutes for even our largest system. Much less expensive than medium pressure, much longer lasting and better built than low end stainless tubing and PVC UV systems. The SAG1200-A is designed to work in salt water or fresh water pools.

**AFFORDABLE QUALITY AT ITS BEST!**

**RATED FLOW FOR**

At 900gpm	Initial UV dose at rated flow: 45mJ/cm2
Electrical:	120v or 220v 50/60 Hz
Maximum Lamp Power:	120w @ 83V
Number of Lamps:	10 Long life with our new industries longest maximum output of 254nm & 185nm.
Sentry's Quick Disconnects	10 one each sleeve
Maximum water operating Temperature:	130 degrees F
Maximum Operating Pressure:	75psi normal operating range 45psi
Plumbing:	8" SS Flanges
Size:	18 1/2 inches OD X 61.375 inches Overall Height
Weight:	255 pounds
Chamber material:	304 or 316-L SS
Application:	Commercial or Industrial use
Lamp Life:	13,000 hours Exceeds normal industrial standards by 6,000 hours.
Inlet/Outlet:	Same side or reverse side as shown
OH Produced:	1 watt of 185nm UV will produce 6X10 <sup>-7</sup> moles of OH per second in water

**CONTROL PANEL**

Power:	120v or 240v Available
Safety:	Terminally protected automatically shuts down if abnormal operating temperature are reached.
Additional Safety:	Sensor monitors sleeve fouling and loss of 254nm sterilizing wave length. LED lights on control panel alerting the attendant of the above conditions. LED lights on control panel alerting lamp outage. Also each lamp has its own glow fitting atop each lamp to further Detect lamp outage.
Switch:	Lighted on/off switch shows power is on or off.
Hour Meter:	To Log lamp and sleeve replacement hours
Strainer:	To capture broken glass (Optional)
Power Supply control Panel:	Weight: 24lbs Height: 17 1/2 inches Width: 15 3/4 inches Depth: 6 3/4 inches