



Specification and operation of the Oxyzone S20 Silver Harvest ozone generators

Silver Harvest series description

The Silver Harvest series is a rugged, powerful range of UV ozone generators that can be operated independently or centrally controlled. They are ideal for cool rooms, particularly where the ozone generator is located in a difficult to get at location and may require operating changes to be made.

They are available in single or double lamp and in standard or very high output versions. All Silver Harvest ozone generators are fitted with a connector and internal circuitry to allow manual or external control of on/off, single lamp only or double lamp operation.

There is also an optional wireless receiver available to eliminate the requirement for signal cabling.

Silver Harvest HO (high output) description

This is the high power version of the Silver Harvest range; it offers large high output (HO) UV lamps and a larger high capacity fan. All other features are the same, i.e. circuitry for central control or independent manual operation; plus the same wireless option. In fact, units of both series can be connected into the same control unit.



S22 Silver Harvest Double UV lamp



S24 Silver Harvest HO Double UV Lamp

We have the product and the flexibility to meet your needs.



Silver Series Control units

The Silver Harvest and Silver Harvest HO units can be interconnected to operate from a single, central control unit.

The control unit contains an inbuilt 24hr/7day timer, boost switch and timer, plus connections for the wireless module and an external ozone sensor. The unit allows central control of all UV ozone generator functions from off, to 1 lamp or 2 lamps all at the flick of a switch.

If an Aeroqual or other ozone sensor is connected to the control unit it will provide automatic ozone level control of all ozone generators.

Plus all this can even be done wirelessly.



S29C Silver Harvest Control



S29W Wireless Module

We have the product and the flexibility to meet your needs.



Silver Harvest Series specifications

S21	Single lamp UV ozone generator designed for use in cool rooms for food and produce post harvest storage. It is fitted with internal wiring for local or centralised control using the S29C control unit.
S22	Single lamp UV ozone generator designed for use in cool rooms for food and produce post harvest storage. It is fitted with internal wiring for local or centralised control using the S29C control unit.
S21W, S22W	As above fitted with the wireless option
S23	Single lamp UV ozone generator using HO (High Output) lamps designed for use in cool rooms for food and produce post harvest storage. It is fitted with internal wiring for local or centralised control using the S29C control unit.
S24	Double lamp UV ozone generator using HO (High Output) lamps designed for use in cool rooms for food and produce post harvest storage. It is fitted with internal wiring for local or centralised control using the S29C control unit.
S23W, S24W	As above fitted with the wireless option
Manufacturer	Oxyzone Pty Ltd; manufactured in NSW, Australia
Size:	Harvest Length 370mm, Width 200mm, Height 200mm Harvest HO Length 430mm, Width 260mm, Height 240mm
Weight:	Harvest 6.5kg single, 7.0kg double Harvest HO 8.5kg single, 9kg double
Cabinet:	Grade 304 Stainless Steel
Power requirements:	240vac using 1.8m IEC mains cable; included.
Overload protection	Resettable 3A thermal circuit breaker
Electrical safety:	Complies with Australian appliance wiring rules providing double pole switching of all live terminations and allen-key screw access to prevent unauthorised exposure. Removal of outer lid also interlocked to prevent the operation of the lamps when removed.



Ctick:	Compliant	
Lamps:	Harvest	1 or 2 U shape ozone lamps operating at a wavelength of 195nm.
	Harvest HO	1 or 2 U shape high output ozone lamps operating at a wavelength of 195nm.
Ballasts:	1 or 2 electronic ballasts designed specifically for UV germicidal lamps and matched to the Harvest or Harvest HO lamp requirements	
Ozone output:	Harvest.	Approximately 650 mg/hr per lamp continuous operation
	Harvest HO.	Approximately 1000 mg/hr per lamp continuous operation
DC power:	Wireless version only uses Internal 12vdc power supply for microcomputer and wireless receiver circuit board.	
Control circuitry	3 pin connector allowing 2 control lines each of 12vdc	
Connection box	Supplied with junction box and cable fitted with XLR 3 pin connector	
S29C Harvest Control	<p>Central control unit for Silver Harvest ozone generators. Provides the following functions:</p> <p>Manual operation of all units for off, 1 lamp or 2 lamp operation.</p> <p>24 hour/ 7 day timer with multiple programs for operation of all units, both lamps or all units single lamp on and second lamp controlled by timer.</p> <p>External control from ozone monitor allows operation of all units, both lamps or all units, single lamp on and second lamp controlled by monitor.</p> <p>Boost switch which will operate the second lamp for a period determined by the boost knob position.</p>	



Construction	<p>165mm x 165mm x 80mm deep, powdercoated cabinet secured to the wall by 4 x 6.25mm screws. The box is water resistant and contains drain holes to prevent the build up of condensation.</p> <p>2A internal 12VDC power supply</p>
Controls	<p>Manual on/off switch</p> <p>Lamp switch for 1 or 2 lamp operation.</p> <p>Auto switch for operation under the timer or external monitor</p> <p>Boost switch and adjustment knob</p> <p>Self contained 24 hour/ 7 day user programmable clock</p> <p>LED indicators for DC on, Lamp 1, Lamp2</p> <p>Connector for junction box for wired operation.</p> <p>Connector for external monitor</p> <p>Connector for wireless option.</p>
Connection box	<p>Supplied with junction box and cable fitted with XLR 3 pin connector</p>
S29 Wireless module	<p>Connects to S29C Harvest Control unit to provide all control functions under Bluetooth wireless control.</p> <p>Communicates with up to 8 Harvest ozone generators</p> <p>Still allows the connection of additional wired ozone generators.</p>
Construction	<p>165mm x 165mm x 80mm deep, powdercoated cabinet secured to the wall by 4 x 6.25mm screws. The box is water resistant and contains drain holes to prevent the build up of condensation.</p>
Indicators.	<p>8 x LED's displaying the status of the available 8 Bluetooth wireless devices.</p> <p>DC on LED showing unit is operable.</p>