



## Specification of the Oxyzone T4600 ozone generators

### T4600 description

The T4600 is an air cooled, 30 gm/hr, 6 cell corona discharge ozone generator, providing a dependable, powerful and economic solution to your larger ozone requirements.

The T4600 has been designed to fill the need for a larger, air cooled, high output, simple to install and operate ozone treatment system. With its stainless steel cabinet the T4600 is just as at home in a car wash, waste water plant or in a food production area.

A single T4600 provides an ozone output of 30 gm/hr and is available as a dual delivering 60 gm/hr.

Maintenance is straightforward, it has been designed to operate in difficult conditions and still provide easy access for service. All components are readily accessible and because it's built in Australia, all spares are available 'off the shelf'.

An XLR 3 pin connector is provided for control by an external ORP or dissolved ozone monitor.

The variable ozone output option provides a single control that will vary the output of all power supplies simultaneously. It consists of a control board with a knob and a scale mounted on the front panel. Adjusting this control causes a Pulse Width Modulated (PWM) control signal to be applied to a special module installed in each power supply. This module receives the PWM signal and uses it to vary the output of the power supply. For safety the central control board is optically isolated from the power supplies which will prevent any leakage from the high voltage output being reflected into the control circuitry. The output of each of the power supplies can be varied to produce from under 50% through to 100% of the full stated ozone production.



**At Oxyzone we have the product and the flexibility to meet your needs.**



#### T4600 specification

Cabinet size	Width	Height	Depth
<b>T4600</b>	510mm	600mm	260mm
<b>Weight</b>	42kg		
<b>Cabinet material</b>	Grade 304 Stainless Steel		
<b>Internal manifolds and fittings</b>	Grade 316 Stainless Steel		
<b>Ozone output</b>	30 gm/hr minimum at 20C using PSA oxygen		
<b>Ozone producing cells</b>	6 individual air cooled cells		
<b>Power supplies</b>	6 individual high voltage; high frequency power supplies with overload protection and variable output option		
<b>Power requirement</b>	240 VAC, 50Hz, 700W nominal		
<b>Cooling</b>	6 x 120mm ball bearing fans		
<b>Operating temperature</b>	0 to 40C recommended. Above 20C the output will be slightly degraded. Above 40C the output level will be affected.		
<b>Controls and indicators</b>			
<b>Start / Stop</b>	Illuminated mains switch		
<b>Circuit protection</b>	5A thermal circuit breaker		
<b>Safety</b>	Low voltage door interlock switch		
<b>Indicators</b>	6 LED indicators showing that the power supplies are operating correctly		
<b>External control</b>	3 pin XLR connector for connection to external controller		
<b>Flowmeter</b>	Indicates the flow level of the oxygen feed; 0 to 10 LPM.		
<b>Variable output option</b>	A potentiometer and scale is fitted to the front RH side to allow simultaneous control of all power supplies from < 50% through to 100% of full stated output.		