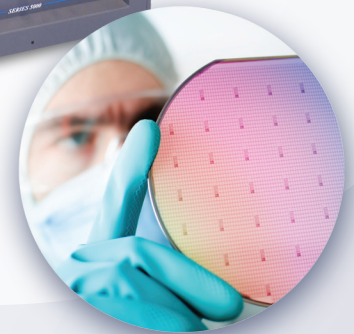




MODEL ODS

# High-Purity Ozone Delivery System

- Ideal for semiconductor applications -



## Features

- High purity water cooled ozone generator up to 350 g/Nm<sup>3</sup>
- State of the art high concentration monitor
- Mass Flow Controllers to monitor and control the ozone and the feed gases
- Complete safety interlock and EMO system
- Supports up to 4 independent servo control loops
- Mounted in an 19 inch rack exhausted enclosure on casters

The ODS series of High Concentration High Purity Ozone Gas Delivery Systems is designed for use in the most demanding semiconductor applications. This highly reliable ODS is ideal for applications requiring high concentration ozone at a wide range of flow rates. The ODS system is a complete turnkey solution that is custom configured to plug and play with most semiconductor tools.

Its microprocessor based controller is designed to servo control the ozone delivered to the tool based on user provided setpoints.

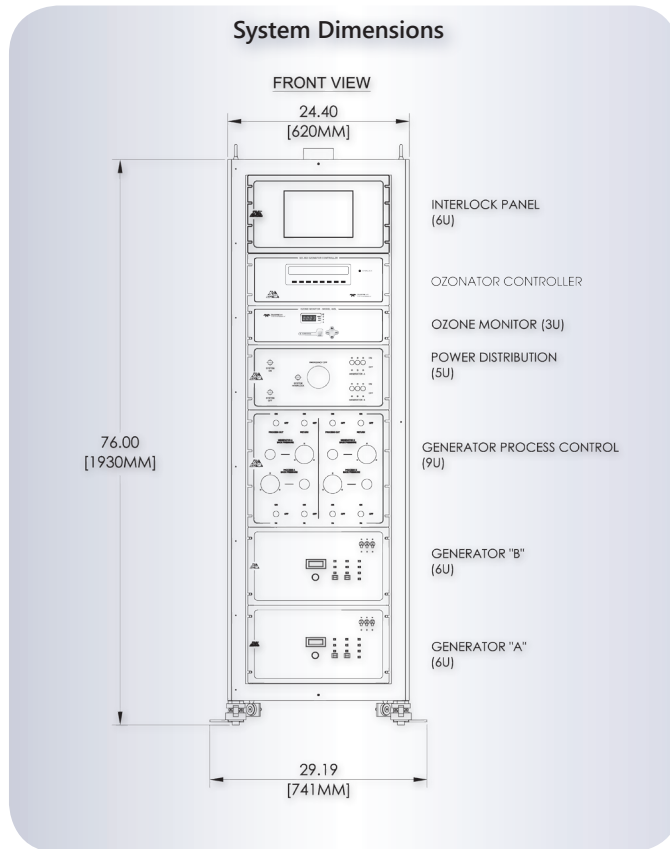
The ODS system includes a multi-channel ozone leak detector and an exhausted enclosure where all the process gas lines and fittings are double contained.

## Applications

- Chemical Vapor Deposition (CVD)
- Atomic Layer Deposition (ALD)
- Oxide growth
- Surface conditioning
- Particle cleaning
- Photoresist removal
- Ashing

## Specifications

• High Purity Ozone Generator	Up to 350 g/Nm <sup>3</sup>	• Ozone Leak Detection analyzer	Five channels UV absorption
• Flow rates	Up to 100 lpm regulated by built-in MFCs	• Feed Gas	High Grade O <sub>2</sub> with N <sub>2</sub> doping
• Ozone output pressure	Regulated to 30 PSIA	• Ozone Process Output Channels	Up to 4
• Controller	Up to 4 independent servo control loops	• Enclosure dimensions	Exhausted type: 72 x 24 x 31" (1844 x 615 x 804 mm)
• Ozone Monitor	UV absorption analyzer with range from 0 to 400 g/Nm <sup>3</sup>	• Cooling water	17°C to 20°C (63°F to 68°F)
		• Warranty	1 year



— OZONE INSTRUMENTATION FOR EVERY APPLICATION —					
Model	Generator Output	Off Gas Detection	Safety / Leak Detection	Dissolved Ozone	Spot Checking
465L		•	•		
465M		•	•		
465H	•				
454	•	•			
452	•				
430			•		•
W1 + 465L				•	
470				•	

Specifications subject to change without notice. All specifications are based on constant conditions. Printed documents are uncontrolled. SAL000102A (DCN 7917) 08.10.18