MODEL ODS

High-Purity Ozone Delivery System

- Ideal for semiconductor applications -

Features

- High purity water cooled ozone generator up to 350 g/Nm³
- 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/Nm³
- Flow Rates: Up to 100 lpm regulated by built-in MFCs
- Ozone Output Pressure: Regulated to 30 PSIA
- Controller: Up to 4 independent servo control loops
- Ozone Sensor: UV absorption analyzer with range from 0 to 400 g/Nm³
- Ozone Leak Detection: Six channels UV absorption Monitor
- Feed Gas: High Grade O₂ with N₂ doping
- Ozone Process Output Channels: Up to 4
- Enclosure Dimensions: Exhausted type: 72 x 24 x 31" (1844 x 615 x 804 mm)
- Cooling Water: 17°C to 20°C (63°F to 68°F)
- Warranty: 1 year

System Dimensions

Specifications subject to change without notice. All specifications are based on constant conditions. Printed documents are uncontrolled. SAL000102B (DCN 8092) 03.25.19

— OZONE INSTRUMENTATION FOR EVERY APPLICATION —

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<th>Safety / Leak Detection</th>
<th>Dissolved Ozone</th>
<th>Spot Checking</th>
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