



OG-5000 SERIES

High Purity Ozone Generator

- Ideal for semiconductor applications -



Features

- High purity ozone
- High ozone concentrations
- Low cost of ownership
- No consumables
- Compact and modular
- Proven technology

The OG-5000 series of ozone generators is designed to produce high concentrations of ultra clean ozone gas for use in semiconductor applications including CVD, ALD thin film, oxide growth and wet bench cleaning processes.

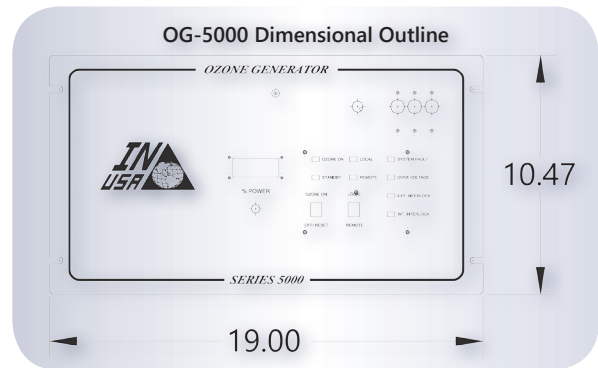
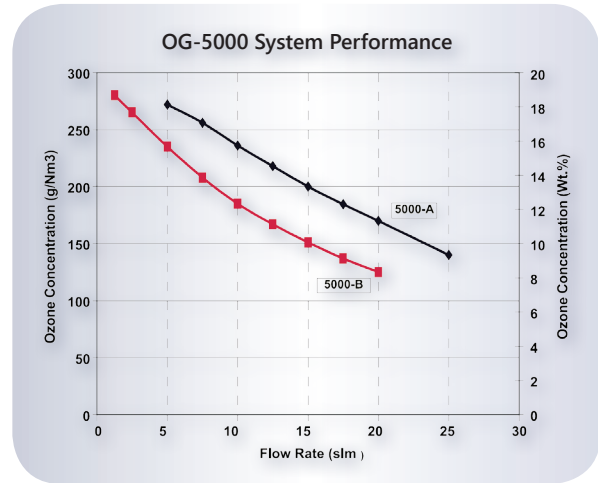
The OG-5000 series has a compact, water cooled design that can be easily integrated with Teledyne API's ozone system controller, ozone leak detectors, ozone concentration monitors and ozone destructs. Its proven technology makes it ideal for a wide range of semiconductor process applications.

Applications

- Chemical Vapor Deposition (CVD)
- Atomic Layer Deposition (ALD)
- Oxide growth
- Surface conditioning
- Ashing
- Particle Cleaning
- Photoresist Removal
- Others

Specifications

<ul style="list-style-type: none"> Performance Maximum Ozone Production 	OG-5000-A 210 g/hr OG-5000-B 150 g/hr
<ul style="list-style-type: none"> Interface Control Interface 	Front panel or automatic remote control
	Remote control Remote on/off
<ul style="list-style-type: none"> Feed Gas Oxygen Grade Nitrogen for doping only Feed gas flow rate 	Grade 6 or better Grade 5 or better (0.5% only) 0.5 to 20 slpm
<ul style="list-style-type: none"> Operating Conditions Ozone Outlet Pressure 	15 to 40 psig (typically set to 30 psig)
	Operating Ambient Temp 5° - 35°C Cooling Water Temperature 20°C + 3°C (do not cool below dew point)
	Cooling Water Flow 1 to 1.2 ppm at 60 psig Cooling Water Quality Any fab grade
<ul style="list-style-type: none"> Power VAC Frequency Current 	208/240 VAC 1Ph or 3Ph 50 or 60 Hz 20 A 1Ph or 15 A 3Ph
<ul style="list-style-type: none"> Physical Specifications Dimensions (W x H x D) 	19" x 10.5" x 18" (48 cm x 27 cm x 45 cm)
	Weight 82 lbs. (37 kg)
<ul style="list-style-type: none"> Compliance 	CE
<ul style="list-style-type: none"> 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. SAL000099A (DCN 7917) 07.24.18