



# TITAN UHC

ULTRA-HIGH CONCENTRATION

AIR-COOLED

# OZONE GENERATORS

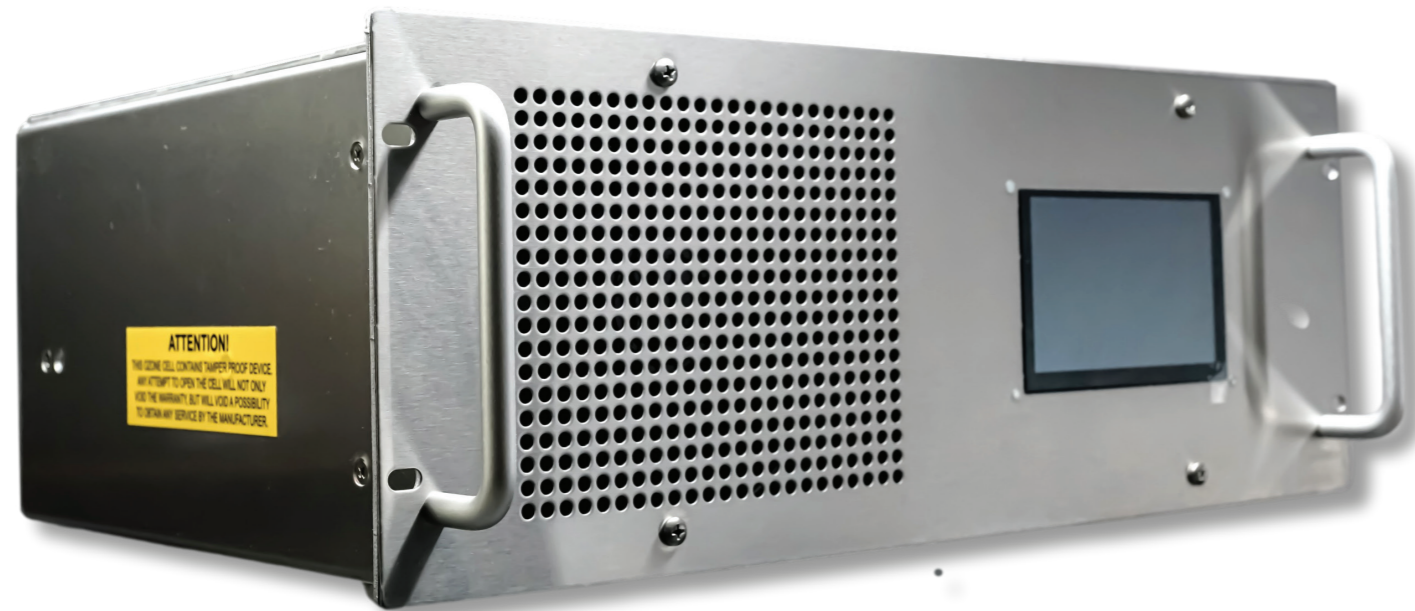
# TITAN UHC

ULTRA-HIGH CONCENTRATION AIR-COOLED OZONE GENERATOR

## LET'S PUT OZONE TO WORK FOR YOU

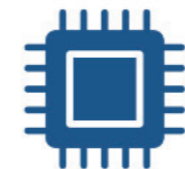
**EFFECTIVELY RELIABLY AND  
ECONOMICALLY**

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### **Best Performance**

Unparalleled for Air-cooled



### **High-Quality Components**

5-year Warranty



### **Compact Design**

Easy to integrate

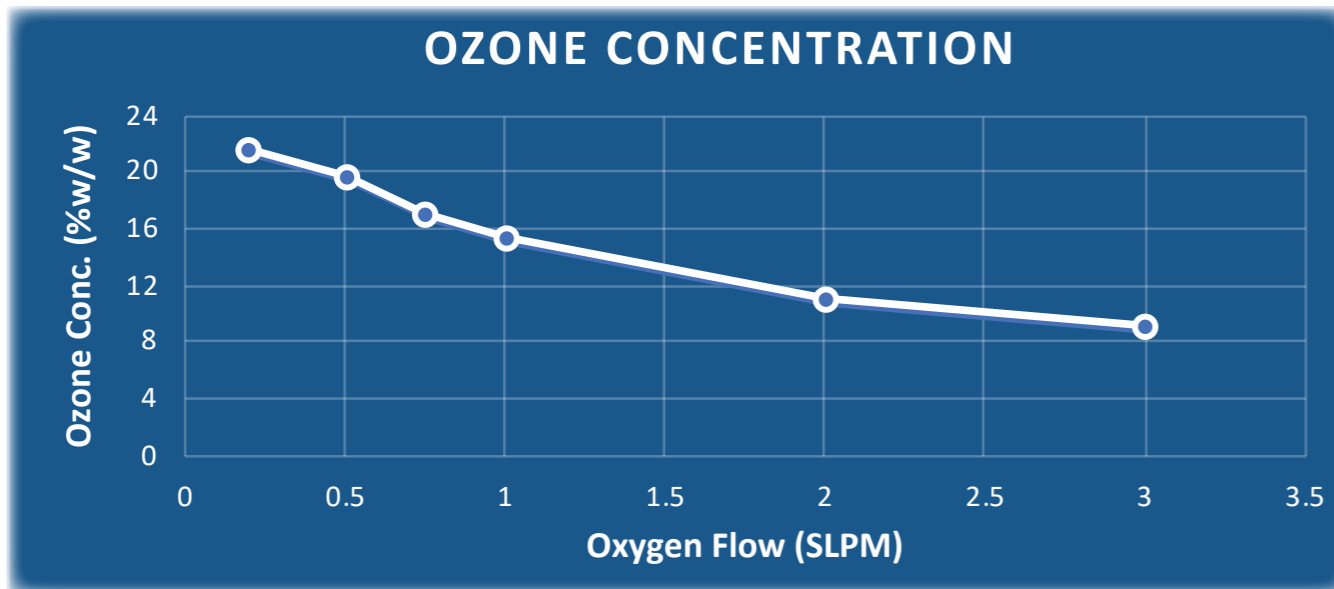


### **Smart**

Diagnostic & Control systems

# TITAN UHC PERFORMANCE

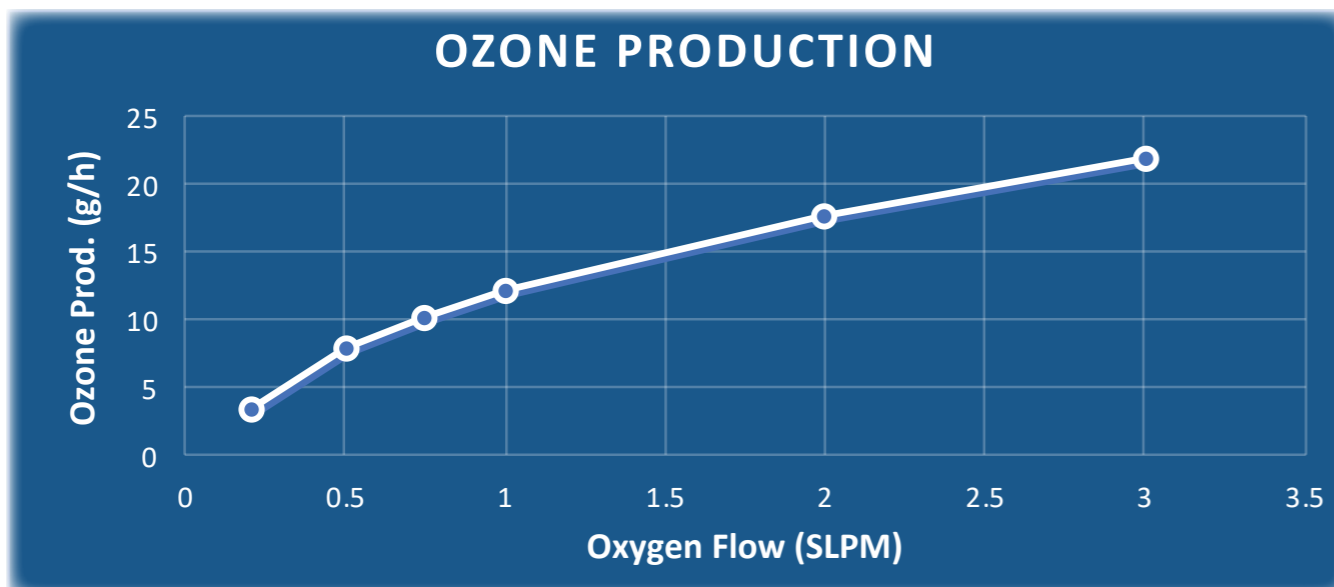
## HIGH CONCENTRATION OZONE GENERATORS



The performance is unequalled for air cooled generators. Absolute Ozone TITAN UHC reliably producing high concentration ozone **up to 22% by weight**.

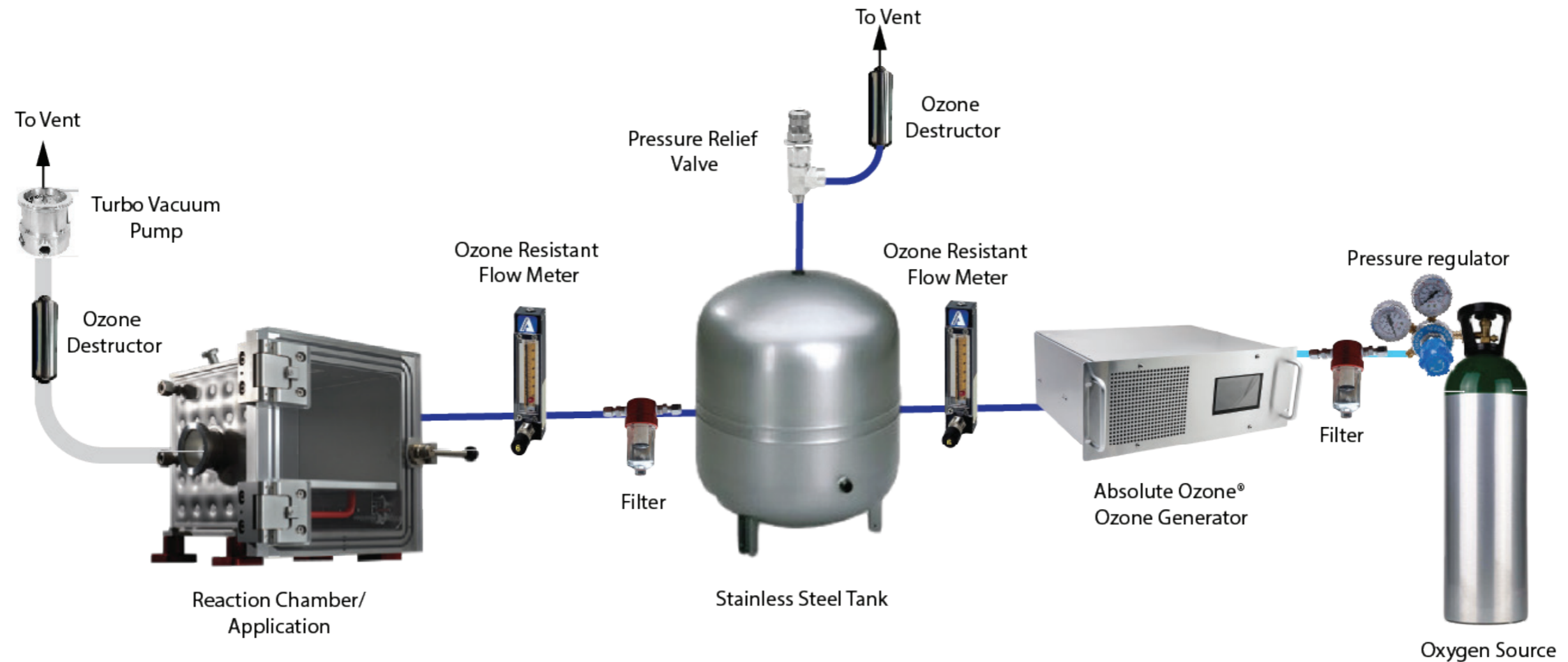
Absolute Ozone® generators are the ultimate breakthrough in ozone technology. Their microfluidic platform design ensures **precise** and **reliable** delivery of ultra-pure and high-concentration ozone for a diverse range of applications.

The system does not require expensive water cooling. The built-in high-velocity fans keep the plasma cell cool even during prolonged use.



# TITAN UHC

## THE PERFECT OZONE GENERATORS FOR SEMICONDUCTOR AND ALD



The use of an ozone generator in **SEMICONDUCTOR AND ALD** processes offers several advantages, including high reactivity, precise control over film thickness, versatility in material deposition, low-temperature processing, cost-effectiveness, environmental friendliness, reduced process steps, improved surface coverage, and compatibility with various applications. These benefits collectively contribute to the efficiency, quality, and sustainability of the ALD deposition process.

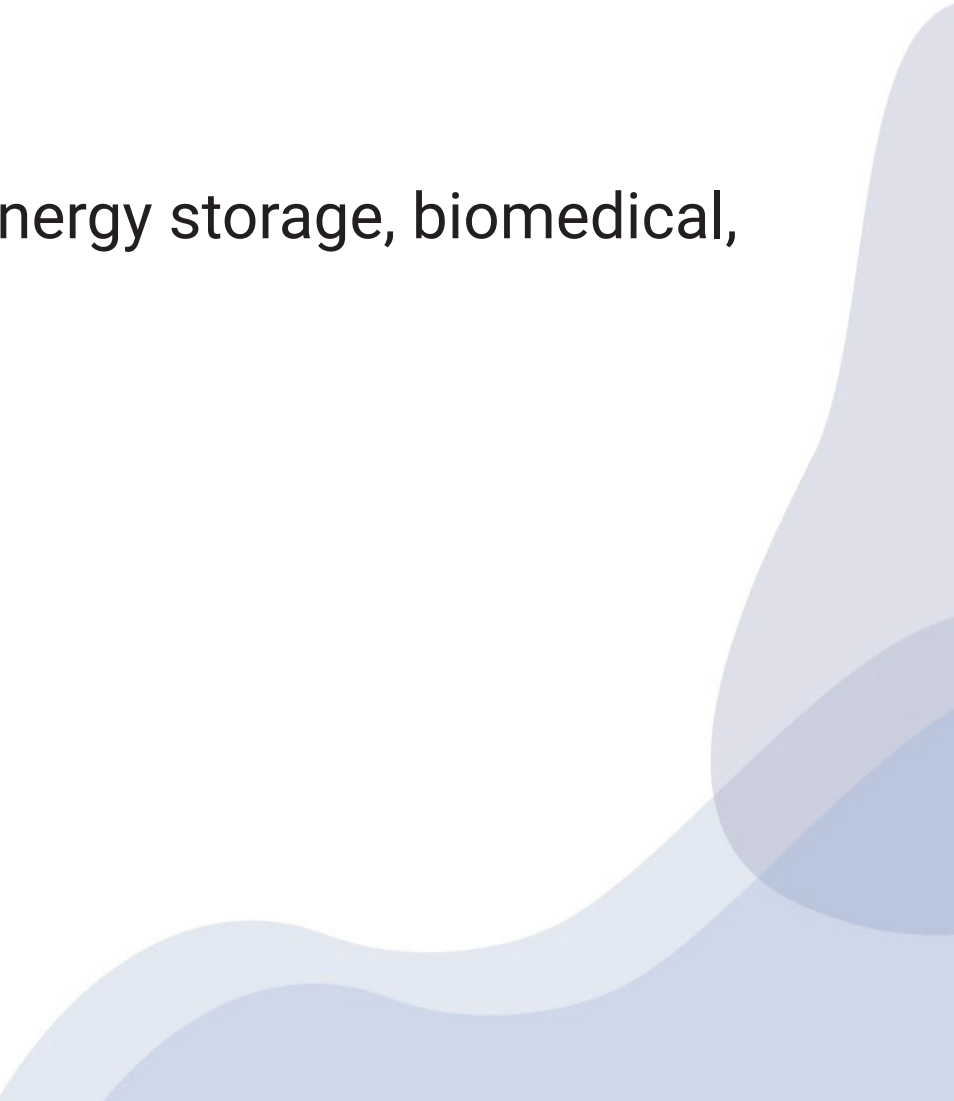
# TITAN UHC FOR SEMICONDUCTOR AND ALD

## KEY ADVANTAGES

- **High Reactivity:**  
Accelerates film growth, contributing to faster deposition times and improved process efficiency.
- **Precise Control Over Thin Film Thickness:**  
Enables the deposition of uniform films with well-defined crystal structures.
- **Versatility in Material Deposition:**  
Allowing for the production of diverse products with specific material properties.
- **Low-Temperature Processing:**  
Suitable for temperature-sensitive substrates, minimizing the risk of substrate damage or degradation.

# TITAN UHC FOR SEMICONDUCTOR AND ALD

## KEY ADVANTAGES

- **Cost-Effectiveness:**  
Ozone is an inexpensive reactant, contributing to cost-effectiveness in ALD processes.
  - **Environmental Friendliness:**  
An environmentally friendly alternative to traditional precursors, aligning with sustainability goals.
  - **Improved Surface Coverage:**  
more uniform and reliable deposition process.
  - **Compatibility with Various Applications:**  
Wide range of applications, including semiconductor manufacturing, energy storage, biomedical, and optics.
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# SMARTEST OZONE GENERATOR IN THE WORLD

## ADVANCED ON-BOARD PROTECTION & CONTROL SYSTEM

Introducing iOzone™, the cutting-edge operating system from Absolute Ozone®. Featuring a 5-inch LCD, this innovative system boasts state-of-the-art diagnostic and control systems to ensure uninterrupted 24/7 ozone production and minimize downtime.



### **iOzone™ diagnostics/control system**

Designed to protect against installation or usage issues like incorrect gas pressure, high ambient temperatures, flooded ozone cells, wiring/voltage problems and more.



### **LCD screen**

The LCD screen will allow touch to switch the generator on and off and to adjust the desired power.



### **Remote control**

The instrument comes with 4-20mA Remote Control Inputs, allowing for precise device control via external signals.

# DESIGN

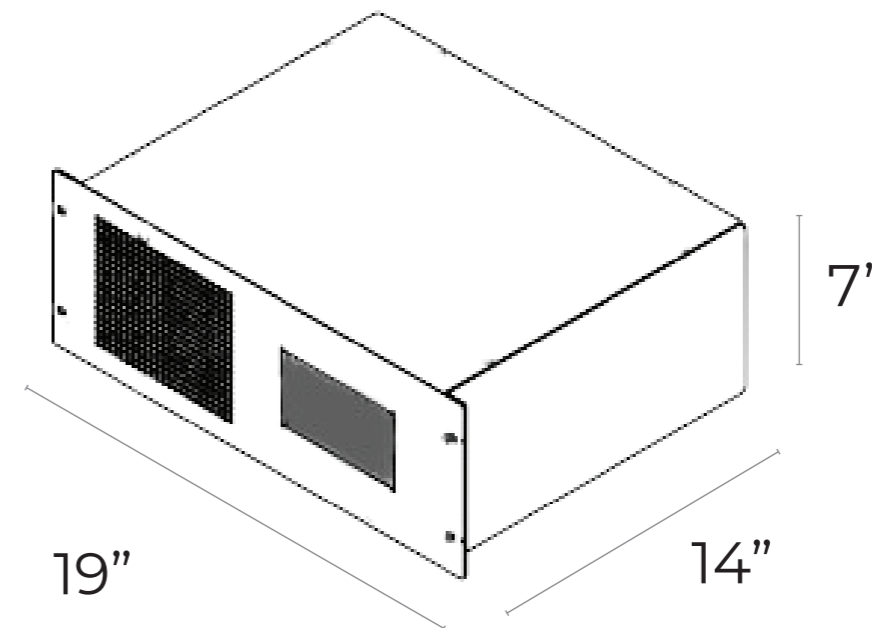
## COMPACT AND EFFICIENT OZONE GENERATORS

- Most compact in the Industry:  
TITAN 30C - Absolute Ozone® Generators ranging in production up to 22 g/h of ozone have dimensions of 19" x 14" x 7" Only! – saves valuable space and money on shipping.



Rackmount enclosure

Specifically engineered to fit seamlessly into standard 19" electronic racks (4U Height) or rack cabinets, it exemplifies a fusion of durability and adaptability





# HIGH-PERFORMANCE OZONE GENERATORS

## **ABSOLUTE OZONE® GENERATORS WILL SAVE YOUR MONEY**

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- **5-Year Warranty**

Peace of mind with our 5-year warranty, plus a performance guarantee. Our reliable Absolute Ozone® generators save you money on repairs and downtime.

- **Technical Support**

Our technical assistance to our customers is complimentary, unlimited and absolutely free of charge.

- **Crafted for reliability and performance**

Exceptional reliability. Leak-proof design tested up to 150 PSIG, corrosion-resistant stainless steel enclosure, highest quality components.

# SPECIFICATIONS

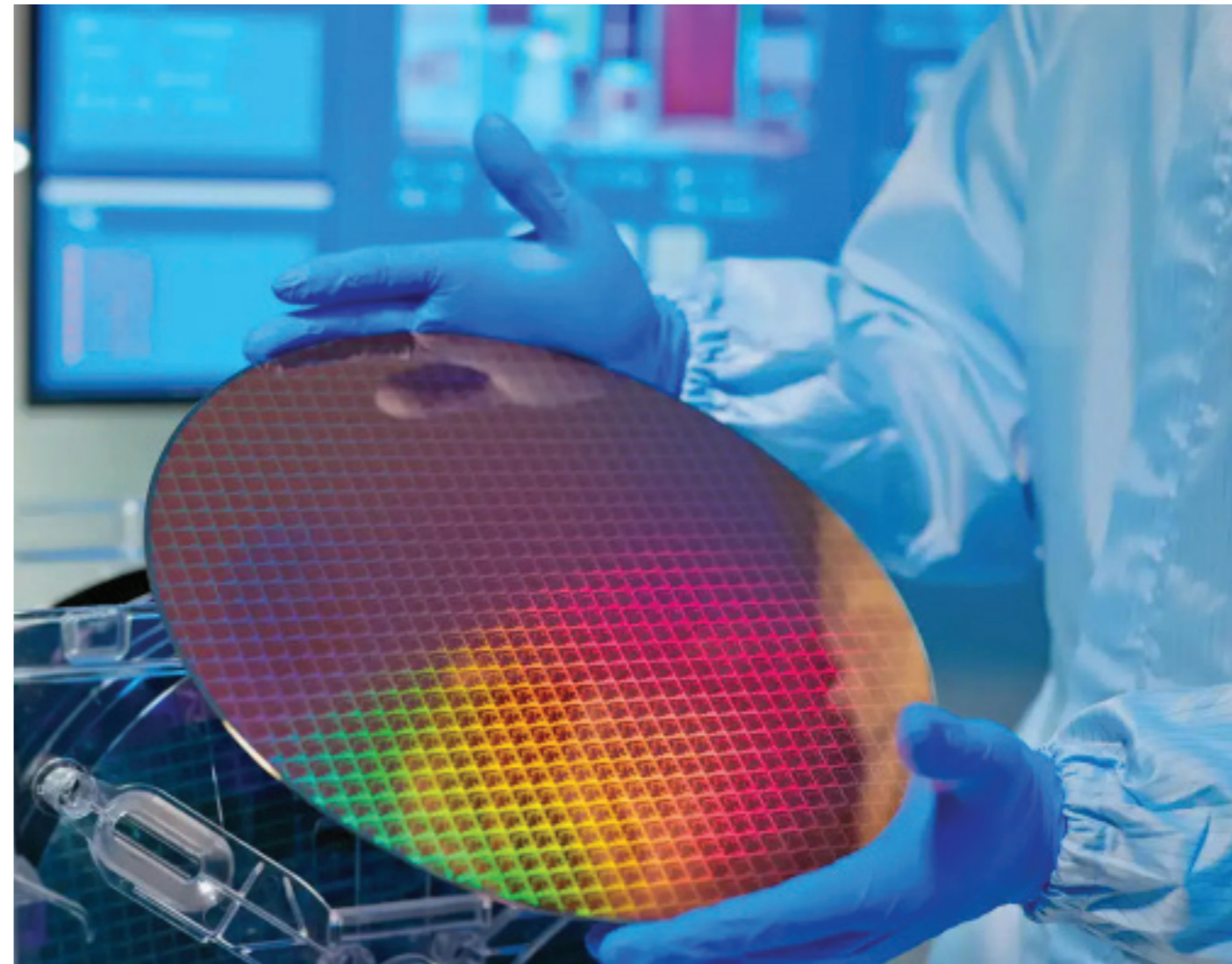
Ozone (O <sub>3</sub> ) Production:	20 g/h
Working Pressure:	20 PSIG
Concentration:	up to 22% by weight Guaranteed
Feed Gas (O <sub>2</sub> ) Flow Rate:	0.1-4 SLPM
Dimensions:	19 x 14 x 7 inches (WxDxH)
Weight:	28 lbs.
Control Power Requirements:	120 V ~ +/-10%, 50/60 Hz, Single Phase, 4.0 A 220 V ~ +/-10%, 50/60 Hz, Single Phase, 2.1 A
Maximum Power Consumption:	325W
Remote Control:	4-20mA Remote Control Inputs
Physical Connections:	O <sub>2</sub> Inlet: 0.25" SS316 Comp. Connector O <sub>3</sub> Outlet: 0.25" SS316 Comp. Connector

# APPLICATIONS

## DISCOVER THE BEST SOLUTION FOR YOUR APPLICATION

Today, Ozone is being implemented in a continually expanding array of applications. At Absolute Ozone®, we are focusing our efforts on the applications and markets in which we can make significant impacts.

- ▷ SEMICONDUCTORS
- ▷ ADVANCE PACKAGING
- ▷ WET CLEANING
- ▷ OPTICAL COATINGS CHAMBER
- ▷ EQUIPMENT PART COATING
- ▷ MICRO-ELECTROMECHANICAL SYSTEMS
- ▷ LED & PHOTONICS
- ▷ POWER DEVICES
- ▷ RADIO FREQUENCY DEVICES
- ▷ INDUSTRIAL MANUFACTURING
- ▷ BATTERIES
- ▷ ELECTRONICS
- ▷ OPTICAL COATINGS
- ▷ RESEARCH AND DEVELOPMENT
- ▷ AND MORE...



Absolute Ozone®, a leader in ozone generation technology since 1985, supplies top-tier ozone generators to 100+ countries worldwide.

Over three decades, we have focused on ensuring client project success through reliable, economical, and effective ozone generators.

We offer a unique opportunity to our customers by providing the most advanced Absolute Ozone generators, guaranteeing equipment effectiveness, project success, and substantial cost savings.

Our unlimited, complimentary technical assistance is a cornerstone of our commitment to customer support.



## Get In Touch



### Message Us

[office@absoluteozone.com](mailto:office@absoluteozone.com)



### Address

10712 -181 Street, Edmonton, AB  
Canada, T5S1K8



### Customer Service

+1 780-486-3200

For more information, please visit our website, Or please feel free to give us a call