



TITAN UHC

ULTRA-HIGH CONCENTRATION

AIR-COOLED

OZONE GENERATORS

TITAN UHC

ULTRA-HIGH CONCENTRATION AIR-COOLED OZONE GENERATOR

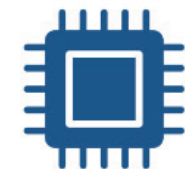
LET'S PUT OZONE TO WORK FOR YOU

**EFFECTIVELY RELIABLY AND
ECONOMICALLY**



Best Performance

Unparalleled for Air-cooled



High-Quality Components

5-year Warranty



Compact Design

Easy to integrate

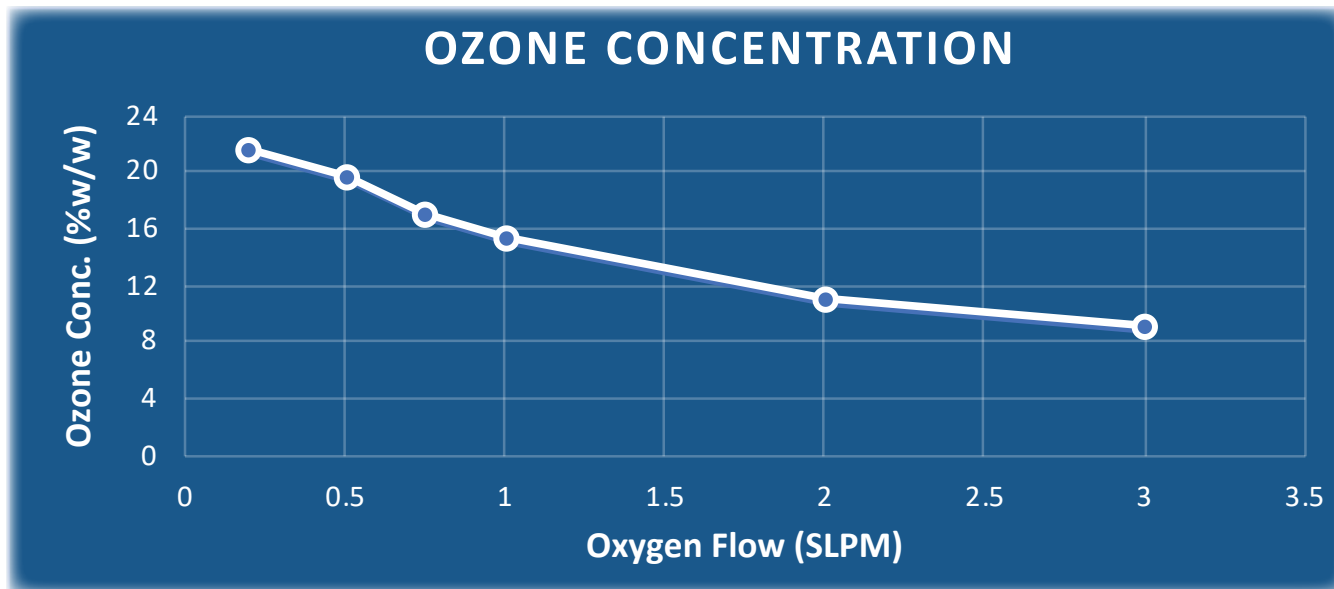


Smart

Diagnostic & Control systems

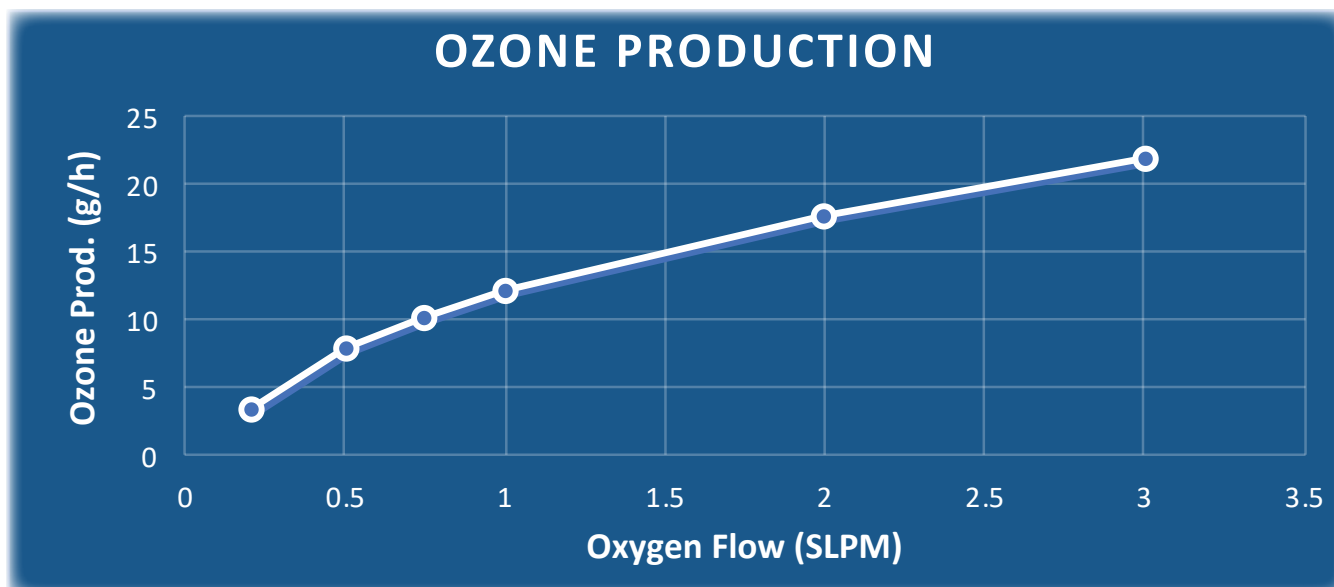
TITAN UHC PERFORMANCE

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**.

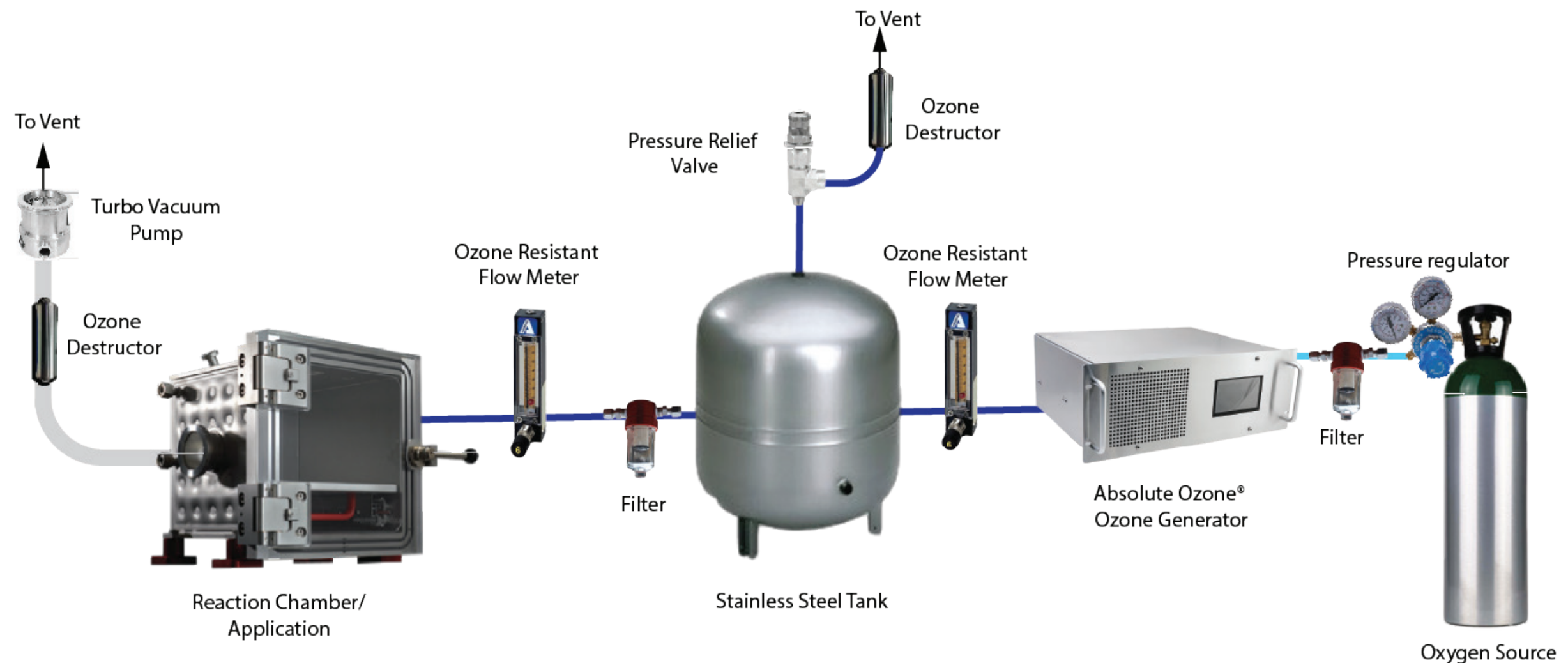
Absolute Ozone® generators are the ultimate breakthrough in ozone technology. Their microfluidic platform design ensures **precise** and **reliable** delivery of ultra-pure and high-concentration ozone for a diverse range of applications.



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

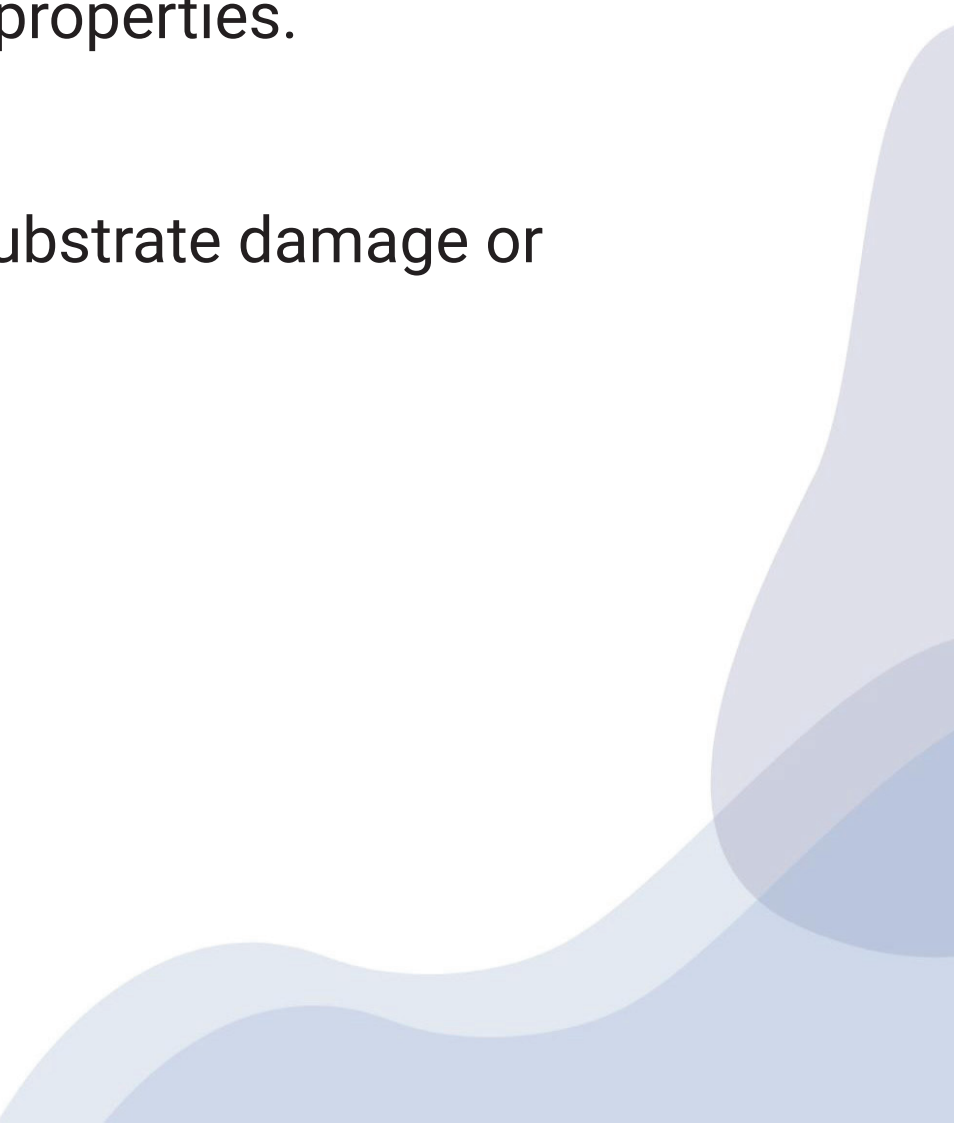
THE PERFECT OZONE GENERATORS FOR SEMICONDUCTOR AND ALD



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.

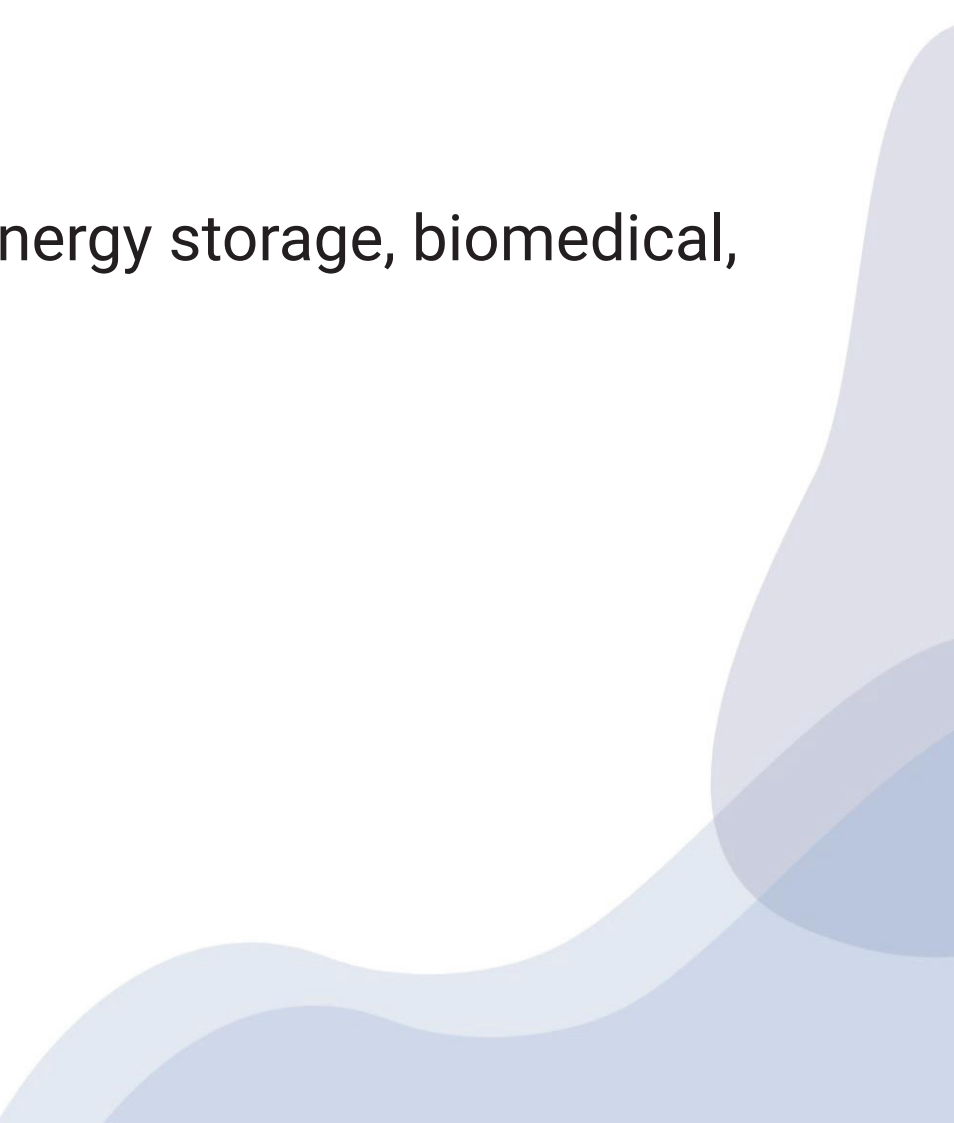
TITAN UHC FOR SEMICONDUCTOR AND ALD

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.
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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

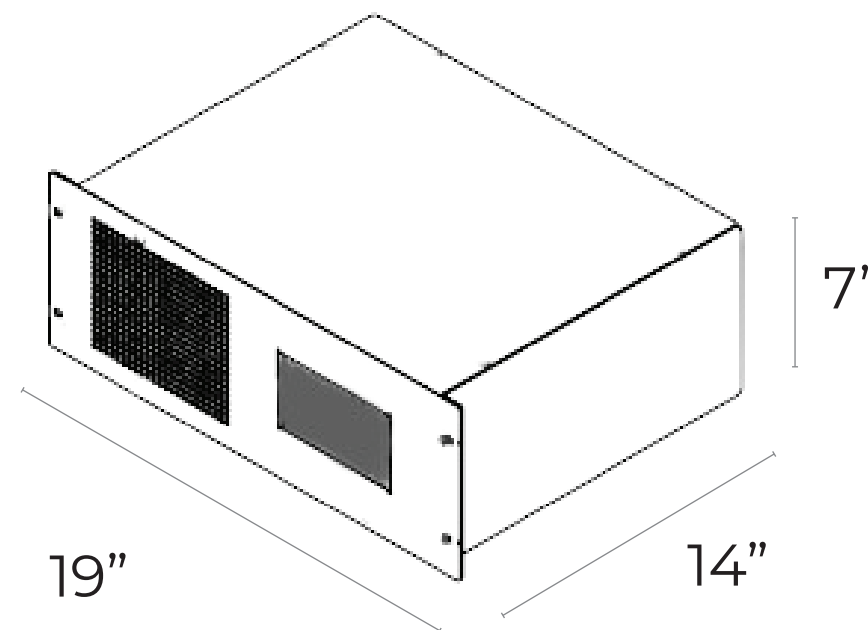
- Most compact in the Industry:
TITAN UHC - Absolute Ozone® Generators ranging in production up to 20 g/h of ozone have dimensions of 14" x 19"x 7" Only! – saves valuable space and money on shipping.



*Typical Rack Installation of the
Absolute Ozone® TITAN Ozone Generators

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

- **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 (O3) Production:	20 g/h
Working Pressure:	20 PSIG
Concentration:	up to 22% by weight Guaranteed
Feed Gas (O2) 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:	O2 Inlet: 0.25" SS316 Comp. Connector O3 Outlet: 0.25" SS316 Comp. Connector

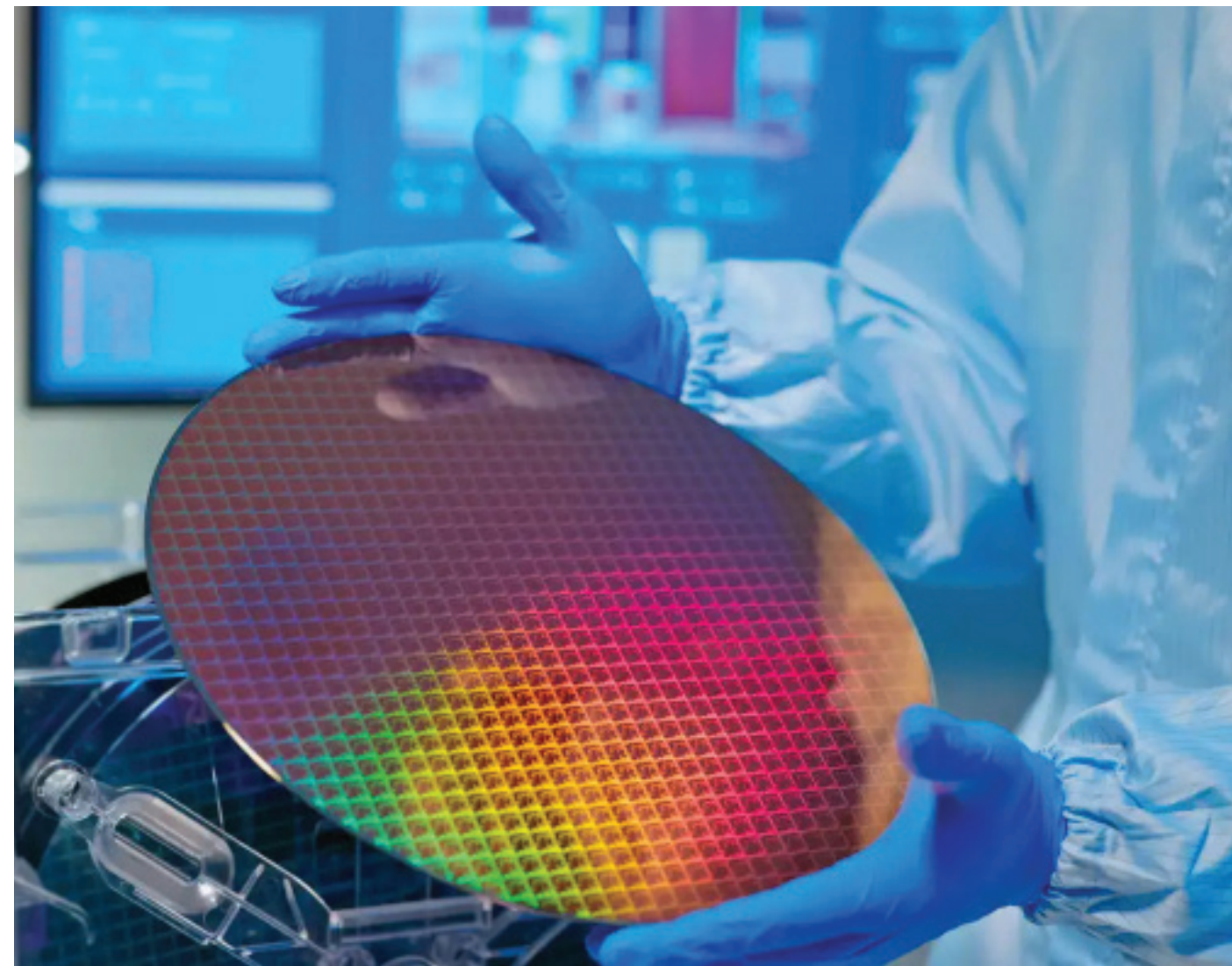
APPLICATIONS

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



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