

Commercial Version

IGS Titanium AOT Air Purification Systems

Titanium Advanced Oxidation

We all know that ultra violet light can kill viruses and bacteria. What most of us don't know is that when you shoot a beam of ultra violet light at a Titanium Oxide coated surface, it creates a constant stream of hyper excited particles via a process called Catalytic Oxidation. These particles are called Hydroxyl Radicals and they break down and kill all microorganisms and organic pollutants in the air stream significantly better and quicker than UV Light alone.

Does IGS Air Kill COVID-19?

Yes, it absolutely kills the COVID-19 and any other virus or bacteria that cross it's path. Our system eliminates and neutralizes Volatile Organic Compounds such as Formaldehyde and Benzene. It also destroys Settling Respirable Particulate Matter, such as soot, pet dander, pet odors, fungi, mold and smoke. See the chart to the right for more information.

Is This a New Technology?

No, it was developed by Nasa to protect astronauts in the International Space Station. Today it's being used 24/7, worldwide in hospitals and to keep our water supplies safe. Now you can have this same technology in your home or business to keep the air you breath safe from dangerous bacteria, viruses, mold and other harmful pollutants, gases and allergens. Plus, it helps eliminate odors and smoke. This is a Medical Grade System.

How Can I Get This System In My Building?

Our system can be purchased directly from IGS and must be installed by an authorized IGS Service Provider. The system must be installed directly onto your HVAC system, as illustrated in the following Commercial Install Diagram. Installation takes approximately 2 hours per HVAC unit.

How Much Does This System Cost?

System is pricing is based on a number of factors. The main factors being total cubic feet of space in your building and the number of times per hour that the air must be recirculated according to state and local code requirements for the type of building. After we assess the needs of your specific space, we will provide you with a solid quote to have clean, safe, and code compliant IGS AIR in your building.

Below are just a few of the many harmful viruses, bacteria and other air pollutants that are killed on contact by the Hydroxl Radicals emitted by our purification system:

Elimination of Viruses, Bacteria & Other Micro-organisms







Typical Commercial Installation

In commercial and industrial settings, the IGS Titanium AOT system is installed either directly into the air supply cabinet, as shown in section A, or directly into the duct work of the HVAC system, as shown in section B. As the air passes through the system, viruses, bacteria and other air pollutants are eliminated by the constant stream of excited Hydroxyl Radicals created by our UV system. Any polluted air that has been circulated through your building's HVAC system will come out fresh and virtually free of harmful pollutants that would otherwise not be filtered.





IGS Titanium AOT Systems

IGS Titanium Advanced Oxidation Technology (AOT) combines the unique air purification technology of TiO2 advanced oxidation with photocatalysis. We use a unique, wide-wavelength photon wave and a titanium oxide catalyst layer that generates Hydroxyl Radicals to quickly and comprehensively remove harmful bacteria, viruses, mold, odors, smoke, VOCs and other harmful gases. All IGS Titanium AOT Systems are backed by the IGS 15-Year Warranty for parts and service.



15-Year Limited Warranty

All IGS Lighting, Inc. products are warranted to be free from defects in materials and workmanship for fifteen years from the date of installation.

Within this period, IGS Lighting, Inc. will, at its sole option, repair or replace any components that fail from normal use. Such repairs or replacement will be made at no charge to the customer for parts or labor to install the replacement product. This warranty does not cover failures due to abuse, misuse, improper handling, acts of nature, negligence, normal wear, accidental damage, modifications or repairs made by the purchaser, incorrect installation or incorrect voltage conditions. The products must be used in accordance with the guidelines as stated in each product's manual.

THE WARRANTIES AND REMEDIES CONTAINED HEREIN ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, WHETHER EXPRESS, IMPLIED OR STATUTORY, INCLUDING ANY LIABILITY ARISING UNDER ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, STATUTORY OR OTHERWISE. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, WHICH MAY VARY FROM STATE TO STATE.

IN NO EVENT SHALL IGS LIGHTING, INC. BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM THE USE, MISUSE OR INABILITY TO USE THE PRODUCT OR FROM DEFECTS IN THE PRODUCT.

IGS Lighting, Inc. retains the exclusive right to repair or replace the product. For warranty to be valid, installation of IGS products are to be installed in accordance with IGS Lighting's product installation instructions and must be installed by an authorized IGS Service Provider. This warranty is effective for selected products manufactured after January I, 2017.

Commercial/Industrial Models & Specifications

In-Line Units

Model #	Air Circulation (m³/h)	Input Power	AC Voltage	Running Temperature Range
IGS-INL-AOT-500	500 m³/h	15W	110-220 AC	-5-45°C
IGS-INL-AOT-1000	1000 m³/h	15W	110-220 AC	-5-45°C
IGS-INL-AOT-2000	2000 m³/h	30W	110-220 AC	-5-45°C
IGS-INL-AOT-3000	3000 m³/h	40W	110-220 AC	-5-45°C
IGS-INL-AOT-4000	4000 m³/h	50W	110-220 AC	-5-45°C
IGS-INL-AOT-5000	5000 m³/h	65W	110-220 AC	-5-45°C
IGS-INL-AOT-6000	6000 m³/h	75W	110-220 AC	-5-45°C
IGS-INL-AOT-8000	8000 m³/h	100W	110-220 AC	-5-45°C
IGS-INL-AOT-10000	10000 m³/h	145W	110-220 AC	-5-45°C
IGS-INL-AOT-12000	12000 m³/h	190W	110-220 AC	-5-45°C

In-Cabinet Units

Model #	Air Circulation (m³/h)	Input Power	AC Voltage	Running Temperature Range
IGS-RSC-AOT-1360	1360 m³/h	15W	110-220 AC	-5-45°C
IGS-RSC-AOT-1700	1700 m³/h	18W	110-220 AC	-5-45°C
IGS-RSC-AOT-2720	2720 m³/h	30W	110-220 AC	-5-45°C
IGS-RSC-AOT-3400	3400 m³/h	36W	110-220 AC	-5-45°C

* Please refer to our residential IGS Air page for information regarding our residential models.

For more information or to place an order, please email us your contact information at:

air@igslighting.com