

Industrial Air Purification Solutions



air sniper ™

www.airsniper.ca

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ABOUT US

Why We Started It All

Traditional air purifiers have been on the market for quite a while, but they only trap harmful particles, and they slowly lose their effectiveness as they saturate and eventually clog. To find a solution, we dedicated ourselves to build something better. Now, after years of research and multiple prototypes, we're proud to finally introduce you to the Air Sniper.

We painstakingly designed our own patented technology to permanently destroy mold spores, pet dander, fungi, pollens, and dust mites. Removing these pollutants from the air means that your family members with respiratory illnesses or allergies will breathe easier and sleep more sound. And it gives us great pleasure to know that we can have a positive impact in their lives.

Our Vision

As Canadians, we spend close to 90% of our time indoors; at home, work, and in recreational facilities. That is why clean air is essential for good health, especially when it comes to indoor air. And we are the lucky ones. There are places on this planet where clean air isn't a given, and in fact, the air pollution is only getting worse. We think that everyone has a right to clean air, and we want to be a part of the solution. Our goal is to provide a product that can make a true impact in the world and improve the health and wellness of everyone.



BRANDING GUIDE

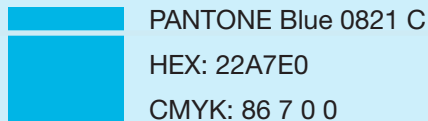
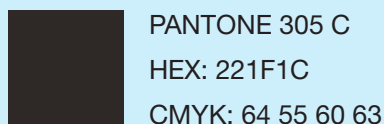
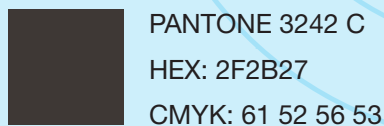
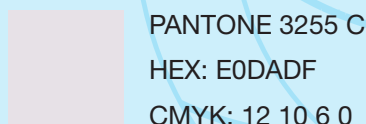
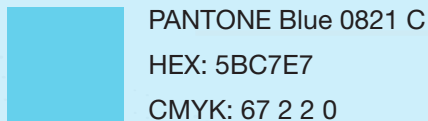
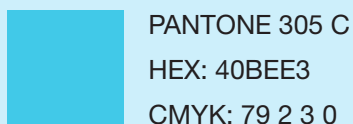
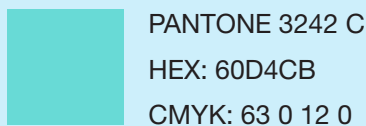
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PARTNER BADGE

We're always excited to welcome more partners to the Air Sniper family as we work together to help more businesses open safely! As an Air Sniper partner, you will receive a badge that can be used on your website or other marketing materials to show your commitment to effective and powerful air sanitization.



THE AIR SNIPER DIFFERENCES



Intensity

Effectively killing airborne pathogens requires high volumes of UV intensity. In Air Sniper units, this intensity comes from multiple UVC bulbs that create a wall of UVC to effectively irradiate contaminants.

Proximity

Intensity drops by 75% every time distance doubles from the UV light source. To ensure effective levels of irradiation, Air Sniper equipment ensures pathogens are always within close proximity to the UVC bulbs as they pass through the unit into the facility.

Dwell Time

Dwell time is the time a contaminant spends within the proper UVC intensity level. Air Sniper equipment is designed to provide the dwell time required throughout the equipment to kill pathogens.

CFM

CFM and Dwell time are directly related to maintaining effectiveness. Increased CFM allows the units to have the industrial capacity. This is balanced with proximity and dwell time to ensure contact with the UVC bulbs.

OUR PRODUCTS

Stand Alone Units

Air Sniper combines UVC technology with industrial design to provide a solution on an industrial scale that continuously kills airborne contaminants.

Air Sniper equipment can be easily integrated into the facility, and comes with a dashboard system that allows you to monitor and control the equipment remotely. A combination of Stand Alone, In Line, and Hybrid units ensures that facilities have the right solution for their various needs.



Air Sniper Pro



Air Sniper Elite



Air Sniper Ultra



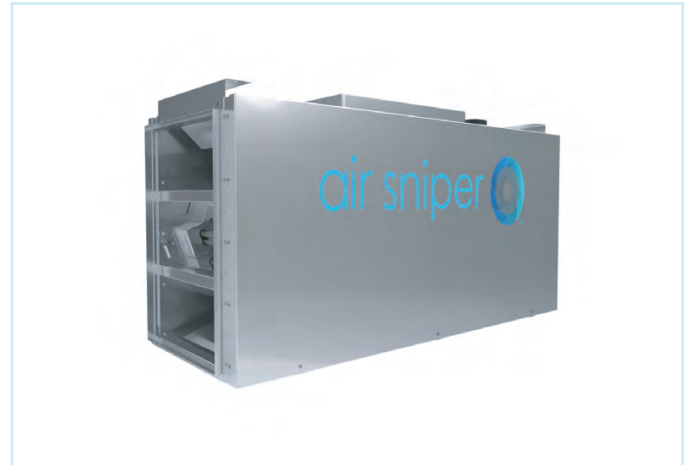
Air Sniper Low Pro

OUR PRODUCTS

In Line Units



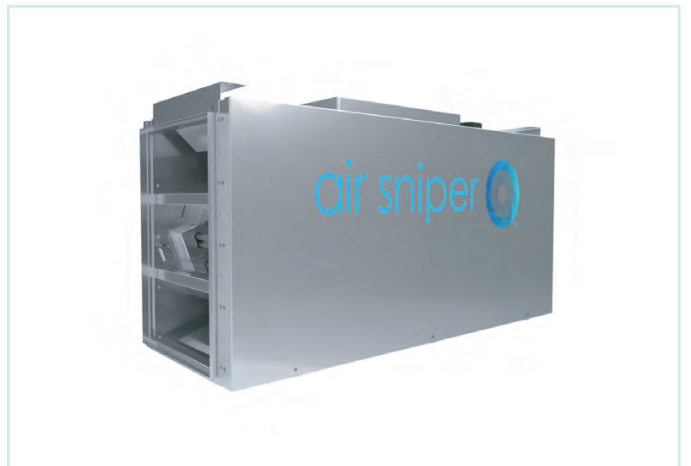
Air Sniper Inflow 16/36



Air Sniper Inflow 36/36



Air Sniper Inflow 20/20



Air Sniper Inflow 10/24

OUR PRODUCTS

Bulbs



18W Replacement Bulb



36W Replacement Bulb

UVC light is the standard for air purification around the world, and Air Sniper's units are no different. Our products utilize UVC light (sometimes in conjunction with our other proprietary technologies) to remove germs, viruses, bacteria, mold spores, and allergens from your home or office air. To determine how many bulbs that you require simply find your product from the list below.



✓ 30 Day Moneyback Guarantee

THE AIR SNIPER DASHBOARD



Maintain control over your Air Sniper equipment with the digital dashboard, which allows you to remotely monitor your air sanitization equipment and receive notifications when maintenance or bulb replacements are needed. You can even name and add your various devices to groups!

For manual monitoring and maintenance, Air Snipers also include a multitask colour touchscreen for ease of use. This will allow you to turn your equipment on or off, adjust the fan speed, monitor the CFM for different timeframes, check the status of the bulbs and pre-filters, and more.

Both the dashboard and the touchscreen are WiFi enabled, ensuring that you remain connected to your equipment when you need it. Keep an eye on your Air Sniper equipment and watch it in action from the dashboard on your Air Sniper app!

THIRD PARTY TESTED FOR COVID-19

One of the First to Be Tested and Proven!

We're proud to be one of, if not the first company to be third-party tested and proven to kill 99.9% of COVID-19! While sanitization measures include a strategy against viral transmission by touch, most establishments have been unable to counter transmission by air. The Air Sniper is our solution for air purification in commercial and industrial spaces.

At Air Sniper, we want to back up our claims about the efficacy of our line of air sanitization products, especially during a time where the well-being of businesses and workers are dependent on controlling and minimizing the impact of the coronavirus pandemic. Air purification needs to be more than simply catching and filtering pathogens in the air; it needs to kill them.

Air Sniper is designed and manufactured to meet scientific standards for UVC technology, rather than relying on traditional filtration methods. In order to maximize the effectiveness of our equipment, Air Sniper is built to consider four crucial elements of UVC technology: Intensity, Proximity, Dwell Time, and CFM.



Dosages of UVGI

The following chart (assembled from several sources believed to be consistent and reliable) indicates the dosages of UVGI (in air, where available, see Note) necessary to “kill”/curtail microorganism growth by 90% (1 log or LD90) and by 99.9% (3 log):

Organisms	Size (Microns)	Type	UVGI energy for kill factor	
			90% ($\mu\text{W-sec}/\text{cm}^2$)*	99.9%
Bacteria			90%	99.9%
Bacillus tuberculi (tuberculosis)	0.637	Air	1,080	3,240
Escherichia coli	0.5-1.5	Air	613	1,838
Staphylococcus aureus (opportunistic infection)	1	Air	662	1,987
Staphylococcus epidermidis	0.95		1,840	5,720
Streptococcus pneumoniae (pneumonia)	0.8-1.0	Air	374	1,121
Streptococcus pyogenes (scarlet fever)	0.6-1.0	Air	2,160	6,480
Molds			90%	99.9%
Aspergillus Niger (spores)	3.5-5		132,000	396,000
Histoplasma capsulatum (histoplasmosis)	3	Air	9,322	27,967
Cladosporium herbarum (spore)	3-23	Air	62,232	186,696
Virus			90%	99.9%
Adenovirus (colds)	0.08	Air	4,217	12,652
Coronavirus (colds, possible SARS)	0.11	Air	1,940	5,820
Coxsackievirus (colds)	0.027	Air	2,078	6,234
Orthomyxovirus (influenza A)	0.098	Air	1,940	5,820
Varicella-zoster (chickenpox)	0.16	Air	1,507	4,520
Variola – Poxvirus (smallpox)	0.244	Air	1,507	4,521

PROTECTION FROM AIRBORNE CONTAMINANTS

Even with the most stringent hygiene measures in place, airborne contaminants can make their way into your facility and cause complications for your clients, employees, and business. Air Sniper provides constant protection by purifying the air and destroying contaminants at a turnover rate suitable for your needs.

Make Air Purification Part of Your Process

As businesses reopen, customer concerns around sanitation procedures and microbial threats are higher than ever before. Provide the next level of protection and complete your sanitation process with air purification that is scientifically proven to work. Air Sniper provides the right solution based on your business' needs.

COMMON APPLICATIONS

Waiting Area

Ensure your clients are protected when entering and waiting in your business. The Air Sniper stand-alone units continuously kill airborne contaminants as they are introduced.

Employee spaces

Keep your employees healthy while working. Air Sniper standalone units can be mounted throughout employee areas to continuously kill airborne contaminants in the space.

Service spaces

Protect your clients from airborne microbials while visiting your business. The Air Sniper stand-alone units easily mount to remove airborne contaminants throughout your clients visit.

The Solution

Through increased CFM and PCO technology, the Air Sniper stand-alone units ensure airborne contaminants are destroyed. The stand-alone units are easily mounted, plug & play ready, and Wi-Fi enabled for easy installation and monitoring.



AIR SNIPER LOW-PRO

The Low Pro's subtle design allows it to integrate into service areas approximately 120 Sq-ft in size providing optimal protection without disruption. The Low Pro can be wall or ceiling mounted near customer spaces to continuously kill airborne contaminants.



AIR SNIPER PRO

The Air Sniper Pro has been designed to handle all contaminants in a small to medium sized spaces, approximately 130 Sq-ft. Frequently used in common areas and waiting rooms.



AIR SNIPER ELITE

The Air Sniper Elite is designed to handle contaminants for larger areas around 300 Sq-ft. Turn over the air at a higher rate or simply treat a larger space. Recommended use for medium sized service areas, break rooms, and waiting areas

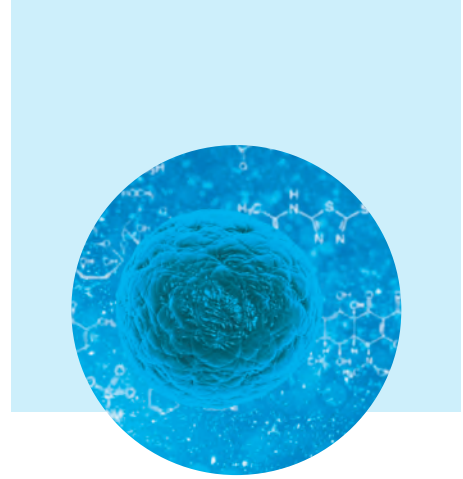


AIR SNIPER ULTRA

The Air Sniper Pro has been designed to handle all contaminants in a small to medium sized spaces, approximately 130 Sq-ft. Frequently used in common areas and waiting rooms.

Industrial Microbial Protection

Air Sniper's advanced industrial design easily integrates with new and existing operations. Proven to provide ultimate protection against airborne contaminants.



Canadian Manufacturing

All Air Sniper equipment is designed and built in our ISO:9001:2015 certified, 70,000 Sq ft production facility using only the highest quality parts and manufacturing practices, ensuring all equipment is built to last.

AIR EXCHANGE REQUIREMENTS OF A COMMERCIAL SPACE

by Cynthia Eberegbe

The need for adequate air treatment systems within commercial spaces cannot be over-emphasized. This is a huge capital investment a business should thoroughly think through before choosing a product. The benefits of good air quality in a commercial facility range from ensuring the health and safety of employees, consumers, products, and much more. With so many air purifying brands in the market claiming to do more than what they offer, it is imperative for business owners to do extensive research before committing to such major capital expense to ensure maximum return on investment.

For business spaces that require stringent specifications for good air quality, ventilation, temperature, and humidity like senior living facilities, pharmaceutical, cannabis, medical, and the hospitality industries, it is important to follow guidelines provided by regulatory authorities such as the Occupational Safety and Health Administration (OSHA).

In the wake of the COVID-19 pandemic, there has been an urgent need for effective air treatment systems to sanitize the air in commercial facilities. Recent evidence shows that there is a possibility for airborne

transmissions of the virus. Hence, there is a heightened need for businesses to have effective air treatment systems in place.

Whether your goal is to maintain an optimum growing environment for plants in a cannabis grow room, or to adhere to strict air quality guidelines in pharmaceutical labs, or to sustain clean surfaces in offices, schools, hotels, or in the food, and beverage industries, an efficient air treatment system is valuable. An effective air treatment system does not only purify the air, it also sterilizes it. Sterilization kills airborne microbes like bacteria, fungi, and viruses.

The Importance of an Effective Air Purification System

The common problem faced in industries that require strict operational requirements for air quality is contamination. This directly impacts workers, consumers, and their products' health and safety. Constant exposure to raw materials, microbes, dust, and hazardous substances in these industries means that air treatment systems are needed to tackle contaminants. This will protect the wellbeing of stakeholders in the supply chain of these industries. In essence, in this era of a global pandemic, air treatment is imperative in any commercial building. Eradication of airborne contaminants in commercial spaces will help achieve the following:

Improved Workers Productivity

The air in commercial buildings can harbour pathogens and hazardous chemical substances from cleaning products used in public and private spaces or from raw materials used for drug production in pharmaceutical labs. When these are inhaled by workers, they can cause allergic reactions, long-term health risks like inflammation and lung damage. So, air sterilization is necessary for good ventilation and to eliminate contaminants, thereby safeguarding work environments for staff. This will reduce staff illness, save cost on off-sick days, and increase productivity necessary to generate profit for businesses.

High-Quality Product

Adequate air sanitization will help maintain proper conditions for raw materials and finished products. For example, in the cannabis, pharmaceutical, food, and beverage industries, good air quality can extend the life span of raw materials and prevent the spoilage of finished goods. So, as well as maximizing production rate, product quality will be enhanced to increase profit and brand value.

Consumer Protection

Addressing the health and safety concerns of consumers play a crucial role in how customers perceive a brand. Be it providing proper ventilation and well sanitized surface areas to protect children in schools or preventing pharmaceutical products, food, and beverages from being contaminated, a proper air sterilization equipment is a good investment. This will prevent litigations that can end up in large payouts to consumers because their health and safety were compromised, thus resulting in brand damage.

Major Innovation in the Air Treatment Industry.

Technological innovation in the air treatment industry has advanced from air filtration to sterilization.

sterilization is more effective and cost efficient as it does not require the replacement of air filters. This is because relative to the process of air filtration, which treats the air by eliminating or reducing harmful microorganisms using a filtration system, the process of air sterilization kills all microorganisms in the air, making it sterile and ultra-pure.

Modern air treatment systems should have a sterilization system that can achieve up to 99.9% destruction of all microorganisms in the air.



An installed Air Sniper Inflow sterilization system in a client's facility.

OSHA Guidelines for Air Quality in Commercial Facilities

The Occupational Safety and Health Administration (OSHA) is a government agency that ensures indoor air quality (IAQ) in commercial buildings is of a standard that guarantees the health and safety of workers. The qualities of good IAQ should include comfortable temperature and humidity, adequate supply of fresh outdoor air, and control of pollutants from inside and outside of a building. OSHA established that there is no single test to find an IAQ problem. However, it advises employers to regularly check measurements of temperature, humidity, and air flow. Also, routine inspection and testing of the heating, ventilation, and air conditioning systems (HVAC) should be performed to ensure they are working according to specifications for building use.



The Air Sniper Inflow.

At Air Sniper, we bear these guidelines in mind when designing our air sterilization equipment. Our stand-alone units are ideal for offices and small spaces while our in-line units are perfect for industrial spaces. The Air Sniper Inflow is our most advanced commercial air sterilization system that can be custom-designed to meet the air exchange requirements of your business facility. The Air Sniper Inflow units fit into existing HVAC systems with ease and incorporate a Wi-Fi connection for remote monitoring and control. Their plug and play feature eliminate the need for expensive electrical connection. The Inflow's top-notch sterilizing features will help you achieve the OSHA guidelines to reap the benefits of good air quality for your business.

**For more product information, please visit our website at
<https://airsniper.ca/products/>**

FREQUENTLY ASKED QUESTIONS



How often do bulbs need replacing?

Air Sniper bulbs require a replacement every 18 months assuming the equipment is running 24/7. If the equipment is not running 24/7 the bulbs will last longer than 18 months. At 18 months the dashboard system will send an alert to the users' phone or email. We recommend changing the bulbs every 18 months to maintain 100% effectiveness when using the equipment in a facility.



Do the units emit ozone?

Air Sniper equipment DOES NOT EMIT OZONE. Ozone can have a negative impact on both people and plants.



Why use multiple bulbs?

Air Sniper equipment has been designed with multiple bulbs to ensure ALL Pathogens encounter the UV light multiple times. One bulb is not enough to effectively kill all the contaminants in the air. The use of multiple bulbs ensures pathogens exit the unit inert.



Why use UV technology?

UV technology when combined with Photocatalytic Elements is the most effective in the deactivation and destruction of Pathogens and VOCS.



Is additional electrical work required to install Air Sniper equipment?

No. Air Sniper equipment is a plug & play system. Once the unit is mounted to the wall or in the HVAC system all that is required is an electrical outlet.



What makes Air Sniper different?

Air Sniper is focused on creating a solution that meets the needs of the customer. We create the ultimate solution that is easy to operate and effective without the use of expensive replacement filters. We work closely with your mechanical and engineering team to ensure all air sanitization requirements are met.



What are the lead times?

The lead times are between 4-6 weeks. Custom work may take longer depending on the design.



Do the filters need replacing?

No. Air Sniper pre-filters and elements do not need to be replaced. Simply vacuum or use compressed air to remove any particulates from them.



How do you determine the number of units required?

The number of units required is based on the cubic feet of air inside the space. The use of cubic feet ensures that the air inside the space is cleaned in under 10 minutes.



How often do the units re-circulate the air?

The equipment will re-circulate the air within the room (based on cfm and the cubic feet of the space) to ensure the room remains pathogen free.



Do you work with my mechanical and engineering team?

Yes. We work closely with the facility HVAC and mechanical and engineering teams to develop a solution that works for the budget and facility design.



Is the customer responsible for the installation?

Air Sniper is designed for simple installation. Brackets are provided for all wall-mounted units. Simply clip the unit into the bracket, plug in and enjoy a pathogen free room! All In-line units fit right into the HVAC system and do not require additional electrical work.

OUR PROCESS

Request A Complimentary Proposal

When a business wants to learn more about what Air Sniper has to offer, they can request further information and an estimate. The request for proposal leads into a consultation with our team.

Initial Consultation with an Air Sniper Specialist

Understanding a business' individual needs is important in order to offer the best solution. Once our specialists understand your building's requirements, we can devise an efficient air sanitization strategy.

Custom Estimate Given for Consideration

Once our specialist understands your needs for optimal air sanitization, we offer you our suggested estimate. These estimates are entirely custom to your facility in order to maximize Air Sniper's efficacy.

Contact our
knowledgeable team
today by visiting
airsniper.ca
or calling us at
1-888-338-9549

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