

Can't hold your breath for up to 10 hours? You might want to take a good look at us.

Unlike the Loggerhead Sea Turtle, we need to breathe much more frequently. We offer the best air quality and surface solution in the industry, proven to fight viruses and pathogens effectively and safely, while giving you complete peace of mind.

Our five-part solution starts by cleaning and disinfecting, treats areas efficiently, protects surfaces and air-spaces, “*heals the air*” with our powerful purification systems, and then monitors designated areas in real time.

We're presenting the industry's first end-to-end solution that covers all your bases, provides certainty and protects against potential liabilities that might arise during these sensitive times.

The 5 Rings of Defense



Trust with total confidence.



What are you using today to protect against bacteria or viruses? Are you trying to combine certain chemicals with others in an attempt to create the perfect solution? *That can be very dangerous and risky.*

The Defender 5 Solution uses only proven safe and green combinations of tactical products to meet any need or threat.

1 Clean



100% Green, Vital Oxide Products

VitalOxide is an EPA registered disinfectant cleaner, mold killer and super effective odor eliminator. Ready to use with no mixing required, just spray, wipe or fog right from the bottle. Non-irritating to the skin and non-corrosive to treated articles. Vital Oxide comes in a variety of useful sizes and applicators that make staying safe just a swipe away!

2 Disinfect



Victory Electrostatic Backpack Sprayer & Vital Oxide

Victory sprayers can be used with solutions like Vital Oxide to sanitize and disinfect or to neutralize odors, bacteria, viruses and other hazardous and foul elements from a variety of environments. Vital Oxide attaches to molecules and causes oxidation, breaking down cell walls and permanently destroying bacteria, viruses and molds.

3 Protect



Protect with Anti-Microbial Power

XMicrobe™ RTU is an EPA registered, water-based, antimicrobial technology that provides persistent and continuous protection. XMicrobe™ RTU is a preservative antimicrobial shield that can be applied to both porous and non-porous surfaces to inhibit the growth of odor causing, and stain causing bacteria.

4 Purify



Introducing the ICon Pro Air Heater

ICon Pro is the first model in the innovative air purification line – Air Heater. Thanks to FS-ACT technology, it is the only one on the market that effectively retains all particulate matter (PM) and neutralizes harmful VOCs and microorganisms. This innovative device can be used in medium and large rooms (up to 500 m2). With such high efficiency as for a free-standing device,

5 Monitor



ThinkLite's Flair Indoor Air Quality Monitoring

This Air Quality Monitoring technology exists for this very reason; combined with existing HVAC and building management systems, indoor air quality monitors are imperative to understanding the safety of the air you breathe, the efficiency of your ventilation, and the performance of your filtration efforts.

Connect with your representative today and let us demonstrate to you just how effective and confident Defender 5 can make your space!

Call (512) 379-6324

www.getdefender5.com/hotsycarlson



Powered by **Defender 5**, the shield for every aspect of clean protection.



Level 1

Total Clean with Vital Oxide



PRODUCT DETAILS

One part stable Chlorine Dioxide Formula

- Very effective
- No mixing

EPA Category 4 - low toxicity

- Safe for animals and humans
- No smell formula
- No Personal protective equipment required

5 Log Kill

- Staph
- Strep
- Ecoli
- MRSA
- TB

Eliminates Viruses

- SARS-CoV-2, the cause of COVID-19
- Influenza
- Noravirus
- HIV

Foam Capability

- Fast application, dwell time
- Reduce water and product usage

NSF registered (D2) sanitizer

- Hypo allergenic, non-irritating to skin
- USEPA List(N) registered No. 82972-1 in all 50 states
- pH balanced at 8.5, Odorless
- Shelf stable - over 2 year shelf life
- No special shipping or handling
- Non-corrosive - carpet, fabric, natural stone, plastic safe
- As OSHA / WHMIS / GMS compliant

Eliminates SARS-CoV (COVID-19)

Listed on US EPA List (N): Disinfectants for use against SARS-Cov-2, the cause of COVID-19

Food Contact Sanitizer - NSF Registered (D2) Sanitizer

VitalOxide kills 99.999% of bacteria, including eColi, Salmonella and Listeria in less than 60 seconds, and it's odorless, requires no rinse and doesn't alter the taste of food that has been prepared on sanitized surfaces. (D2)

EPA Registered Disinfectant

Contains no volatile organic compounds (VOCs) and kills a wide range of viruses such as Noro Virus, Feline and Canine coronavirus and bacteria. It doesn't contribute to mutating super bugs.

Mold and Mildew Inhibitor

Inhibits and keeps mold and mildew from growing for up to 4 weeks.

Allergen Eliminator

Proven effective on pet dander, as well as, dust mite and cockroach allergens. Safe to use on pet bedding and sleeping areas.

Odor Eliminator

Eliminates malodors due to smoke, trash, septic systems, stale cooking and more, without using masking agents or fragrances. Neutralizes urine and fecal odors.

HVAC and Air Ducts

Leaves HVAC systems and air ducts free of microbial contamination from bacteria, mold, mildew and other fungi, while ensuring air quality.

Soft Surface Sanitizer

Kills odors and odor causing bacteria on soft surfaces by eliminating the source. Great for upholstery, curtains and auto interiors.





Level 2

Disinfect Surfaces and Areas

Victory sprayers can be used with solutions like Vital Oxide to sanitize and disinfect or to neutralize odors, bacteria, viruses and other hazardous and foul elements from a variety of environments.

These sprayers are incredibly versatile and easy to use, and popular for use in a variety of settings, such as food service and preparation, fitness facilities, schools, hospitals and more.



Victory Electrostatic Backpack Sprayer

Use the Victory Sprayer with Vital Oxide Residential, Commercial, and Hospital Disinfectant to clean, sanitize and disinfect, to neutralize odors, bacteria, viruses, and allergens on a variety of surfaces.

- The backpack model with its larger tank is popular with bigger areas like schools, public / corporate buildings, gyms, and sports arenas.
- Includes spray nozzle and hose, battery and charger
- Removable backpack tank holds 2.25 gallons
- Adjust spray between settings of 40, 80 and 110 microns
- Full charge provides four hours of operation
- Cover up to 23,000 square feet with each full tank



PRODUCT SPECIFICATIONS			
Model #	VP300ES	Weight (No Chemical)	10 lbs.
Power	Cordless	Weight (Full)	28.8 lbs.
Tank Size	2.25 gallons / 8.52 L	Optimum Spray Range	4 - 6 ft.

	NOZZLE SETTING 1	NOZZLE SETTING 2	NOZZLE SETTING 3
Nozzle Shape	Full Cone	Full Cone	120° Fan
Particle Size	40 microns	80 microns	110 microns
Flow Rate	3.4 ounce/min	5.1 ounce/min	13.4 ounce/min
Run Time per Tank	84 min	56.5 min	21.8 min
Coverage per Tank*	23,000 sq ft	20,600 sq ft	13,100 sq ft
Tanks per Charge	2.9	4.2	11

**Per internal testing determined by flow rate and particle size*



Level 3

Protect Safely and Continuously

Every day, harmful microbes threaten our learning environments, seemingly unnoticed until it's too late. Children and adults alike are constantly sharing items touched by countless others. Protect with anti-microbial solutions that are safe and non-toxic have a long, proven history of success.



PRODUCT OVERVIEW

- Xmicrobe is an EPA Registered patented water-based technology approved for use as an antimicrobial preventative under EPA and FDA regulations to preserve food contact articles
- Xmicrobe creates a biostatic surface that controls and rapidly destroys odor-causing germs, bacteria, mold, mildew, fungi, and algae by first piercing via its positive attraction and then electrocuting
- Xmicrobe remains active on treated hard and soft surfaces, 24/7, providing unsurpassed durability
- Easy to apply and leaves the surface easier to clean
- Industry's highest safety rating
- Xmicrobe is a virtually permanent world class, industry leading EPA Registered Hypergreen protectant coating. Covalently bonding to both hard and soft surfaces, it works continuously to destroy odor-causing bacteria, germs, mold, mildew, fungi, and algae.

XMicrobe VS Leading Antimicrobial Tecnologies

	XMicrobe RTU	Triclosan	Silver	Copper
Effective Antimicrobial Technology	●	●	●	●
Non-Leaching Technology	●			
No Poisons Used to Kill Microbes	●			
Does NOT Promote Adaptive Organisms	●			
Safe for Humans, Pets & the Environment	●	Banned by the FDA in 2016		
Affordable	●	●		

Water Based Formula -Xmicrobe™ RTU is a completely water-based formulation. It is easily used by field personnel using a basic spray bottle, or a high fogging system.

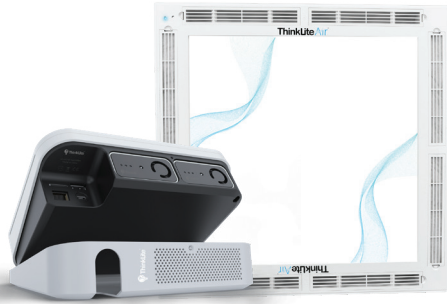


Level 4

Purify with Confidence

Introducing the ICon AIR HEALER

Innovative air purification technology, effectively retains particulates (PM), and also destroys and neutralizes harmful Volatile Organic Compounds (VOCs) and microorganisms. Time for clean and healthy air, free from bacteria and viruses, including CoVid-19!



- Free standing high device capacity (up to 5,000 sq. ft. or 21,188 cubic feet)
- Extremely low operating costs
- Practically maintenance-free
- MERV 19 - .3 Microns

GENERAL SPECIFICATIONS

Power requirement	110/230V 50/60Hz
Energy Consumption, 4 fan speeds	LOW 203W, MEDIUM 210W, HIGH 236W, MAX 250W
Dimensions (without/with packaging)	1273x684x334 mm 1328x794x444 mm
Weight (without/with packaging)	72/80 kg
Fan motor	AC 230V (EU version), AC 115V (US version), long lifespan, non-stop use OK
Control Panel	20 character, 4-line LCD display encoder
Air output (Low-Max)	(Low-Max) 200-600 m³/h
Housing material	Metal
Color of main housing/ locking arms	RAL7042/RAL7016
Noise Level, 4 fan speeds	LOW 32dB, MEDIUM 52dB, HIGH 56 db, MAX 61dB

PERFORMANCE

EN 1822 filter classification	HEPA H14 ≥99,999% EPA E12 ≥99,97%
Main HEPA filter life	Recommended main filter replacement every 12 months, with 24/7 operation. In low PM pollution up to 24 months
PM particle filtration at ≥0,2µ (H14,E12)	≥99,999%
VOC reduction (TVOC)	≥95-97%
Microbiological contamination reduction level	≥99,9999%
Output air quality, Merv standard	MERV 19

OUTPUT AIR QUALITY, MERV STANDARD

Recommended room size	250-500m², depending on air contamination level
Max room size	Up to 500m²
Neutralization chamber	Self-cleaning, long life, maintenance free 48 months (standard working mode, no boost function used)
Display languages	English
Fan speed settings	4
Control via local LAN	Yes, dedicated website
UV lamps life status	Real Time control
Working modes	Manual/Automatic
Dust level, output air	Yes, LCD display
VOC level, output air	Yes, LCD display
Boost function	Extra neutralization power, highest VOC and microbes reduction level
Electrical safety	CE, EMC certification





Level 5

Monitor in Real Time

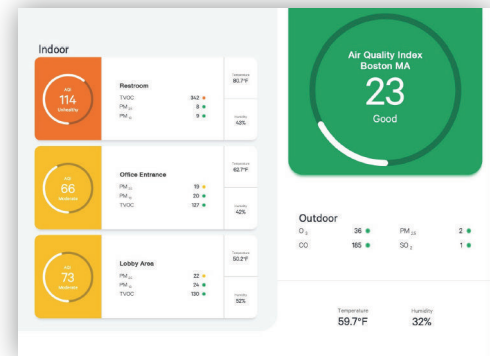
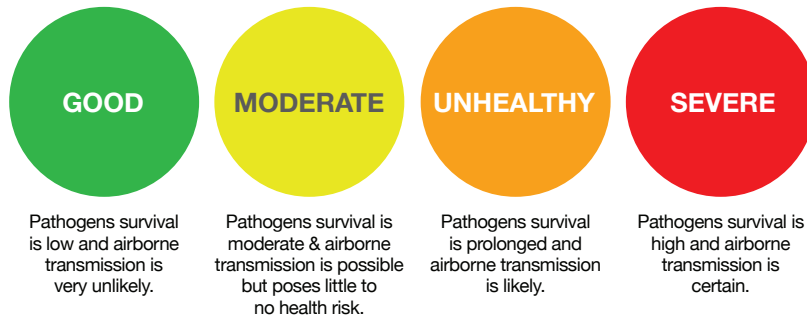
ThinkLite Air Monitoring Systems

With no data driving your building operations, you have no insights to make informed decisions. ThinkLite's Flair Indoor Air Quality Monitoring technology exists for this very reason; combined with existing HVAC and building management systems, indoor air quality monitors are imperative to understanding the safety of the air you breathe, the efficiency of your ventilation, and the performance of your Filtration efforts.



Air quality Confirmation at a glance

Scientifically analyzing key air quality factors that are continuously measured in real time!



Indoor VS Outdoor levels continually measured and presented for input at a glance

HOW DOES COVID-19 SPREAD IN INDOOR ENVIRONMENTS?

When people cough and sneeze, they expel tiny water droplets that contain salt and organic materials. Anyone infected with the COVID-19 will also expel the virus, which is strong enough to detect all the way down to 0.1 microns. As these water droplets containing the virus evaporate inside buildings, the microscopic matter will become small enough and light enough to stay suspended in the air. Over time, the concentration of the virus will build up and disperse in the form of particles which will increase the risk of infection for people occupying the buildings – particularly if there is stagnant air. Lack of adequate ventilation in many indoor environments, such as workplaces and residential buildings, then, increases the risk of airborne transmission of the novel coronavirus. While there is no technology to detect or calculate the concentration of the COVID-19 virus in a given indoor space, ThinkLite's Flair Indoor Air Quality Monitor will help you gauge the likelihood of presence and survival of the coronavirus in your indoor environments.