



HANDS-OFF PROTECTION
FOR A HANDS-ON WORLD.



COVID-19 STALKED NURSING HOMES AROUND THE WORLD

A Wall Street Journal review of data from more than two dozen nations with significant elder-care facilities shows that such institutions are tied to more than a third of Covid-19 deaths, though they typically house less than 2% of the population.

NURSING HOME
COVID-19 DEATHS

1/3 OF TOTAL
COVID-19
DEATHS

These countries linked at least 233,000 of 641,000 overall Covid-19 deaths to nursing homes and other long-term elder-care sites.

In the U.S. alone, the death toll tied to these facilities tops 125,000.

Source: Wall Street Journal

Over 52% of public transit riders reported being *“uncomfortable”* when traveling — putting it on par with attending a concert or sporting event for them.



OVER
52%

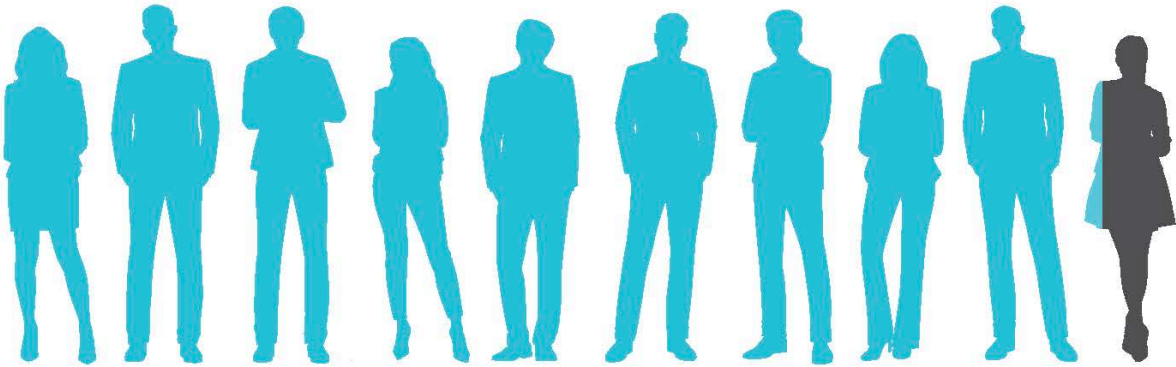
Sources: Community Impact Newspaper and Oliver Wyman Traveler Sentiment Survey

CASPR
PROVIDES
**PEACE
OF MIND.**





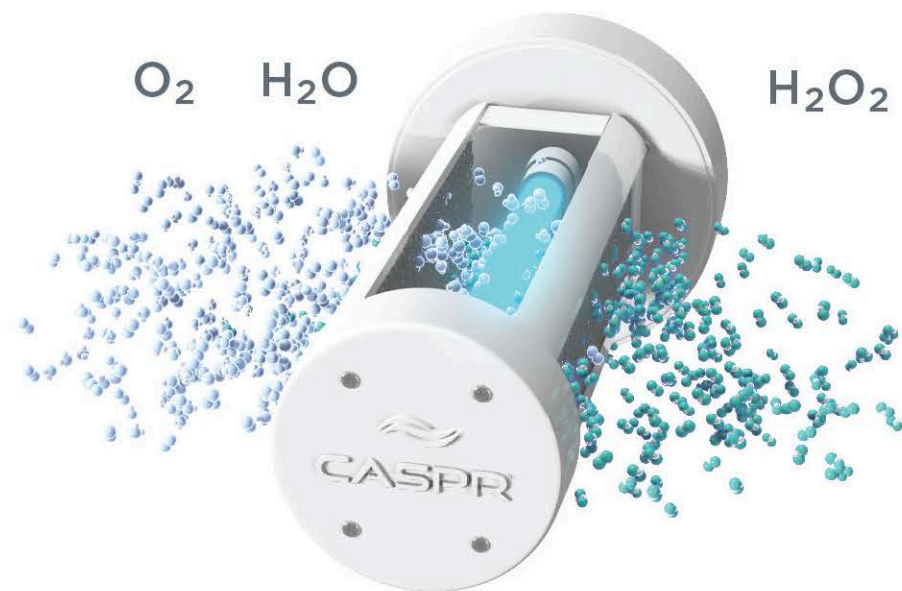
Nearly 93% of people in households with school-age children reported their children engaged in some form of “*distance learning*” from home but lower-income households were less likely to rely on online resources.



Source: [Census.gov](https://www.census.gov)

PROTECT EVERY SURFACE. EVERY SECOND. EVERYWHERE.

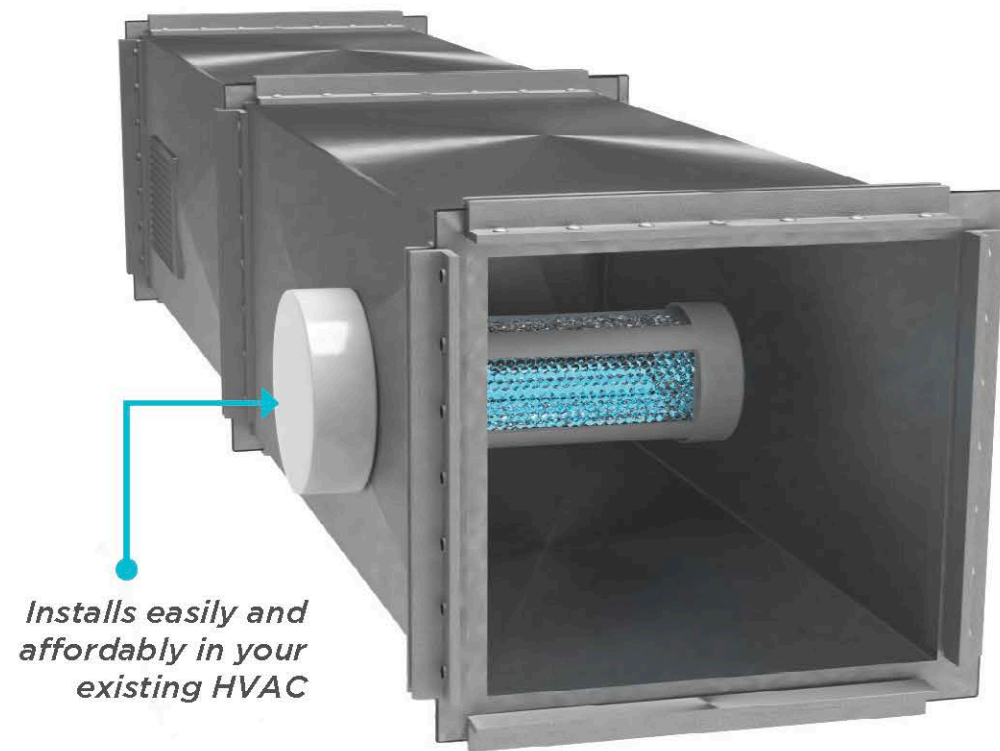
CASPR utilizes a Natural Catalytic Converter™ (NCC) to create highly effective molecules, including hydrogen peroxide, out of ambient air. CASPR's molecules then circulate the air and land on all surfaces, destroying harmful pathogens at a cellular level.



- ✓ Up to 99.6% kill rate on surfaces
- ✓ Effective against viruses, bacteria & molds
- ✓ Easy installation, low maintenance
- ✓ Reduces odors & VOCs
- ✓ No noise, odors or residue
- ✓ Continually blankets all surfaces
- ✓ Runs 24/7 without an operator or chemicals
- ✓ Award-winning technology:
 - CTO- Innovation of Excellence from NASA 2019
 - TIPS: Top Innovations of the Year 2019
 - 2018 SANI Award in the Outstanding Food Safety Program Innovation Category

MEET CASPR

A MASK FOR YOUR ENVIRONMENT™



Installs easily and
affordably in your
existing HVAC

CASPR (*Continuous Air & Surface Pathogen Reduction*) utilizes your ambient air to create low levels of oxidizing molecules that are effective against harmful pathogens but safe for people, pets, and plants.

CASPR is up to 99.96% effective against:

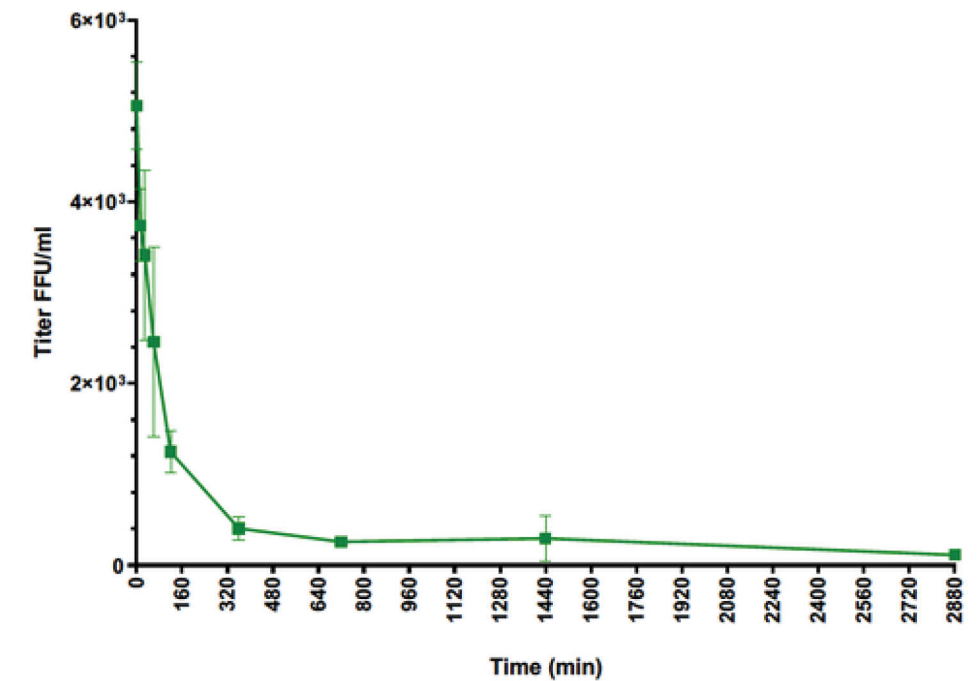
- SARS nCoV2 (COVID-19)
- Viruses
- Bacteria
- Molds
- Formaldehyde
- Odors
- VOCs

COMBAT COVID-19 WITH CASPR

Testing with CASPR's continuous disinfection technology was completed in December 2020 at the University of Wisconsin on the SARS-CoV-2 virus. The virus SARS CoV-2 is a positive and singlestranded RNA virus belonging to a family of enveloped coronavirus-es. It is the virus responsible for COVID-19.

CASPR Pro 1000 was placed inside a biosafety cabinet and turned on. Measurements were then taken to see a reduction of the virus over time.

While using CASPR, a maximum reduction of 99.991% of SARS-CoV-2 infectious particles on an aluminum surface was reached after 1440 minutes of exposure. More than 97.8% of this reduction was detected 360 minutes after the initial exposure.



99.99%

of SARS CoV-2 (COVID-19) was
inactivated within 24 hours



INDEPENDENT LABORATORY STUDIES



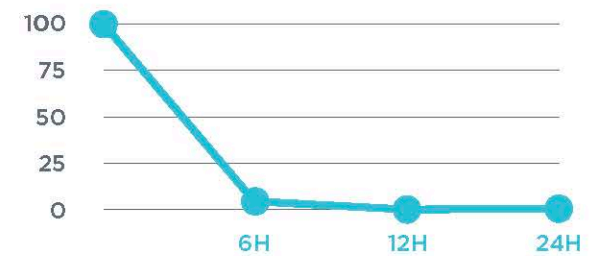
Methicillin Resistant Staphylococcus aureus (MRSA)



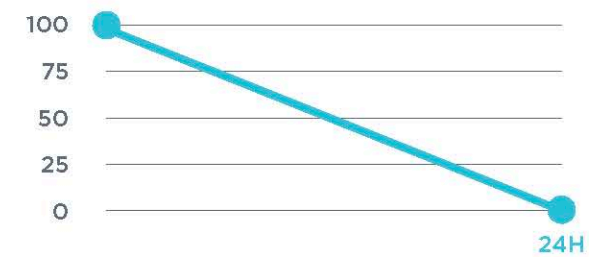
Enterococcus faecalis (VRE)



Pseudomonas aeruginosa



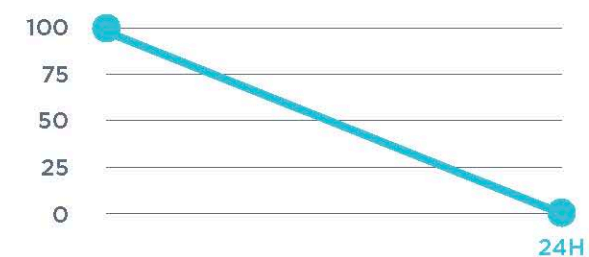
Feline Calicivirus



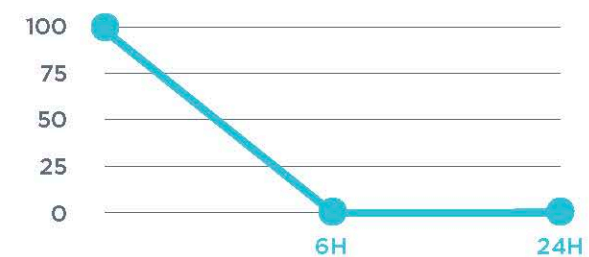
Trichophyton interdigitale




Influenza A (H1N1)



MS2 Bacteriophage (MS2)



INTRODUCING **CONTINUOUS & ACTIVE** DISINFECTION

		Ultraviolet Light	Misters / Sprayers
Proven effective against a broad spectrum of clinically relevant pathogens	Yes	Yes	Yes
Continuous pathogen reduction	Yes	No	No
Safe to use in occupied spaces	Yes	No	No
No disruption or delayed access to occupied areas	Yes	No	No
Continuously eliminates odors	Yes	No	No
No operator required (true "No Touch")	Yes	No	No
No capital expenditure	Yes	No	No
No sensitive parameters	Yes	No	No

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While all the methods we evaluated have proven pathogen reduction properties, almost all require additional staffing or operating costs, do not allow for continuous operation in occupied spaces, and treat surfaces but not the air. CASPR met all four criteria.

*- SHELLEY LAROSE-ARKEN
Long Island MacArthur Airport*

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CASPR PRO INDUCT



CASPR offers industrial-grade HVAC units to reduce visible smoke in the air and microbial populations on surfaces.

CASPR COMPACT



The CASPR Compact unit is a plug-and-play solution ideal for leased or temporary spaces and spaces with poor air circulation.

CASPR TRANSIT



Specifically designed for use in transit vehicles without an HVAC system to combat mold, bacteria and other odors.

EDUCATION CASE STUDY

- ✓ **70% decrease** in airborne pathogens
- ✓ **97% reduction** of micro-burdens in bathroom

HEALTHCARE CASE STUDY

- ✓ **8-10 fold decrease** of micro burdens
Eliminated use of UV
- ✓ Decreased Room Turnover by **30 minutes**
- ✓ **42% Reduction** in Absenteeism YOY

AIRPORT CASE STUDY

Within 48 hours, CASPR was able to reduce Colony Forming Units (CFUs) in an airport by:

- ✓ **92%** at TSA pre-check
- ✓ **100%** at the gate
- ✓ **99%** at baggage claim

RESOURCE PLANNING

Our team is happy to provide a turnkey disinfection process.

- ① We start by reviewing your facility with your HVAC specialists so that we can generate a custom installation plan.
- ② We are here to assist with the installation of your CASPR units to ensure they are installed correctly and in a timely manner.
- ③ Lastly, we help you educate your team members and customer to ensure peace of mind when they return to the space.

SPOTLIGHT ON CASPR



Safe Travel Challenge

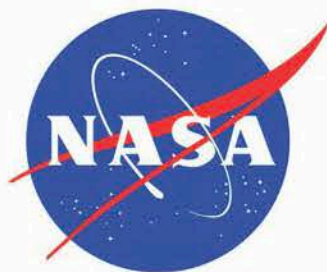
*This year CASPR won the **2020 SAFE TRAVEL CHALLENGE** for creating smart solutions to help with the challenges domestic and international travel are currently facing with COVID-19.*



Transit Innovation Partnership

2020 TRANSIT TECH LAB FINALIST

Making transit safer, healthier and more responsive amid the COVID-19 pandemic.



2019 INNOVATION OF EXCELLENCE

Awarded to Founder and CASPR inventor, Dr. Christophe Suchy



2018 SANI AWARD

in the Outstanding Food Safety Program Innovation Category for restaurant results



TIPS TOP INNOVATIONS OF THE YEAR 2019

Top Innovations of the Year 2019 for work in hospitals



New Jersey State Business Certification

New York State Business Certification

New York City Business Certification



WHY CASPR?

It's time to help revive the education system by implementing an **added layer of protection** and providing **peace of mind** for students, parents and educators.

Exceed expectations with CASPR — a **proven, award-winning solution**.



CASPRgroup.com

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