



VIRUSKILLER™

THE GLOBAL LEADER IN INDOOR AIR SAFETY



OUR INDOOR AIR IS IN CRISIS

The invisible threat inside our spaces

Despite how secure we feel when indoors, the air inside our homes, workplaces, and public venues is a major risk to our wellbeing. Just as we wonder how we tolerated tobacco smoking indoors, one day – with the benefit of hindsight – we'll question how we tolerated the sharing of unclean, recirculated air.



The truth is we live and work in spaces that are rife with indoor air pollutants, many of which are understood to be serious risk factors for wellness, comfort, and quality of life. Add to this what we now know about how airborne particulates act as a vehicle for the spread of infectious disease and pandemic, and it's clear the situation needs to change.

Radic8 recognizes three categories of airborne pollutants:



IMPURE AIR

...contains irritants and particulate matter, smoke, dust, dander, and pollen.

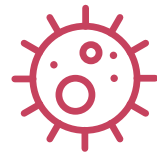
Impure air must be
filtered.



TOXIC AIR

...contains pathogenic gases, fumes, or volatile organic compounds.

Toxic air must be
neutralized.



INFECTED AIR

...contains airborne viruses, bacteria, mold, and fungal spores.

Infected air must be
decontaminated.

Radic8 technology has been designed from the ground up to tackle all three of these major indoor air pollutant categories, and to do so with unequalled performance.



VIRUSKILLER™ by Radic8 is more than just air purification. Developed in South Korea in response to the 2003 SARS outbreak and matured over the course of nearly two decades, Radic8's technology is a premium, all-in-one solution to tackle indoor air pollutants of all kinds – and to bring indoor air safety to industries and spaces around the world.

All-in-one indoor air safety technology

VIRUSKILLER™ combines world-class air purification with patented active decontamination, and – unlike conventional air purifiers – our Reactor Chamber means the deactivation of infectious bioaerosols and pathogens in a single powerful device.

- **Plug-and-play** operation means no complex, messy, and disruptive renovation is required – and zero downtime.
- **Energy efficiency** means a clean air investment with minimal impact on electricity consumption and sustainability targets.
- **Clean aesthetics** across the VIRUSKILLER™ range mean devices that integrate into any modern space.



3 STEPS TO INDOOR AIR SAFETY

Each Radic8 VK device features a robust steel chassis housing state-of-the-art clean air technology. We deploy three distinct stages to achieve comprehensive indoor air safety:

1 TARGETED AIR DELIVERY

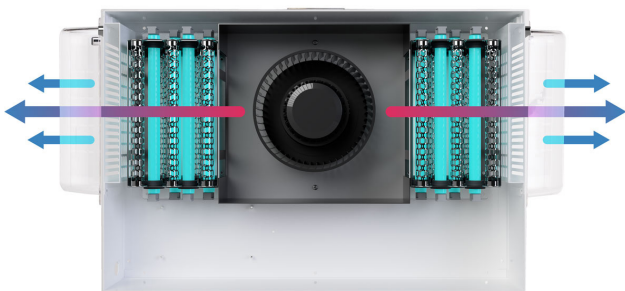
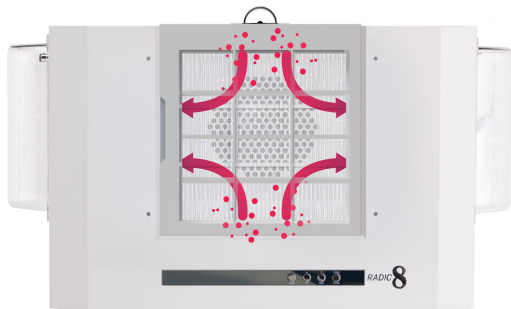
First, we make sure to capture the most at-risk air in the room by creating an airflow pattern that continuously draws contaminated air away from the breathing zone.

2 MULTI-STAGE FILTRATION

Our multi-stage filtration forms the first line of defense against airborne particulates, gases, fumes, pollen, and dust to deliver world-class purification performance.

3 ACTIVE DECONTAMINATION

Finally, our patented UV-C Reactor Chamber produces a powerful, safe photochemical process that actively deactivates airborne microorganisms and bacteria.



1

TARGETED AIR DELIVERY

Capturing the air most at risk

Airborne pathogens that linger in the air need to be captured and safely deactivated before being replaced with clean air where it matters most – which requires technology that takes airflow dynamics into account.

Radic8 VK devices feature quiet but powerful fans and form factors designed to draw exhaled air towards the intake of the device. By targeting potentially contaminated air in the most crucial areas and returning clean air directly to the breathing zone, Radic8 devices can provide real-time protection against indoor air contaminants without the delay required for an entire room's air to be exchanged.

Most conventional air purifiers are not able to achieve this, and instead rely on devices to cycle all the air in a room over a period of hours, with little regard for where contaminated air is being sourced and where clean air is being delivered.

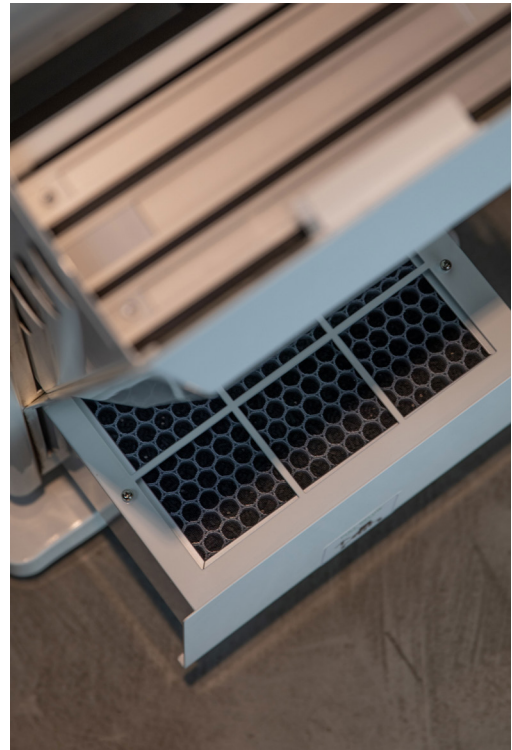
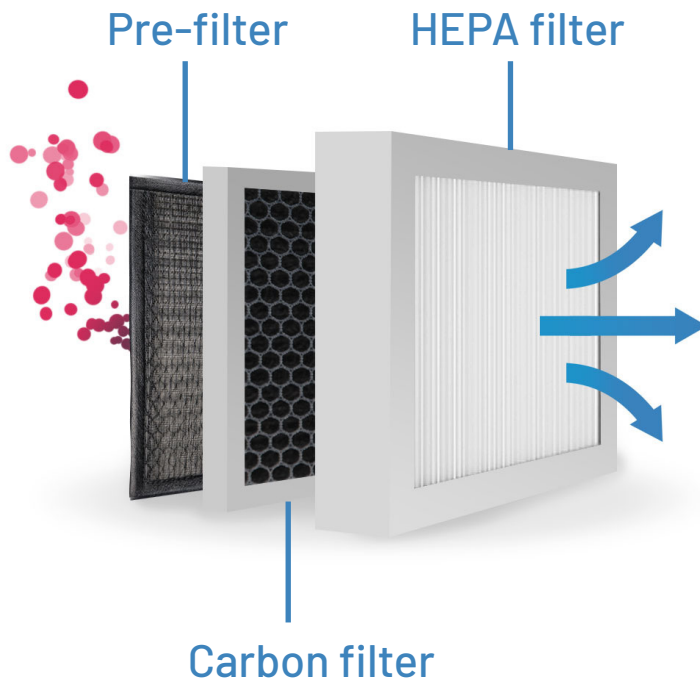


2 MULTI-STAGE FILTRATION

Where conventional air purifiers end

Radic8 spares no expense when it comes to the quality and efficacy of its filters. The multi-stage filtration features a trio of filters that trap coarse, fine, and ultrafine particulates with great efficiency, while also providing excellent adsorption of toxic gases and VOCs. Each device features:

- A robust, washable pre-filter that provides a first line of defense against larger particulates such as dust, dirt, and hair
- A premium carbon filter to neutralizes gases, fumes, and VOCs
- A high-grade HEPA filter to trap ultrafine particulates and pathogens



3 ACTIVE DECONTAMINATION

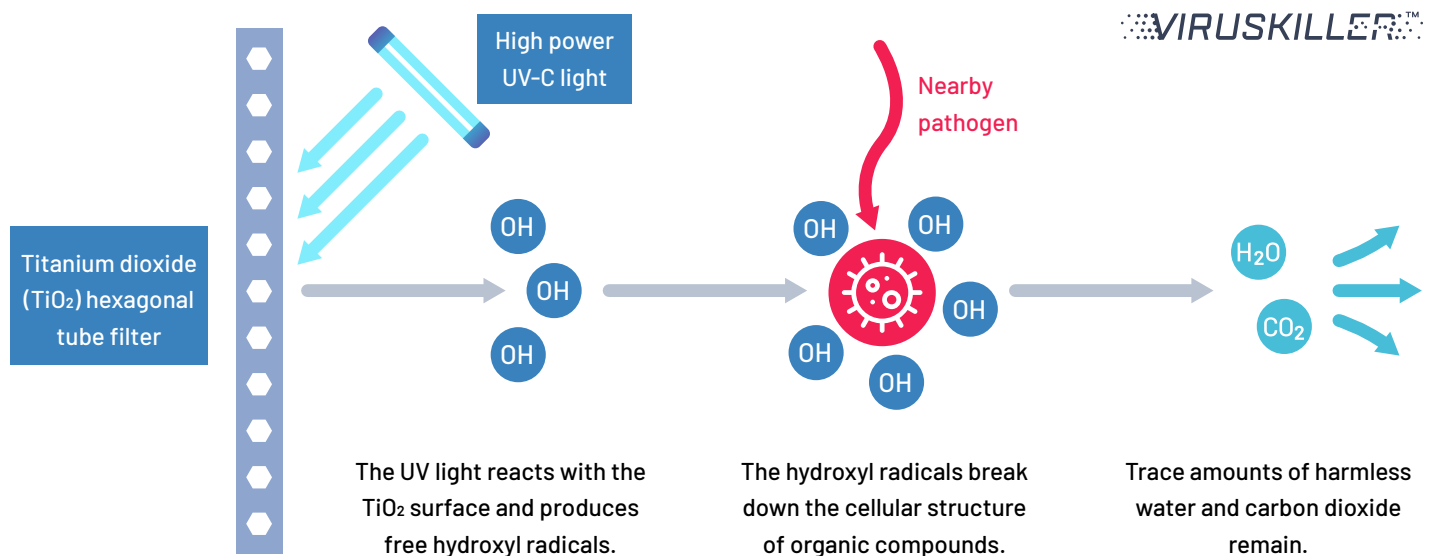
The heart of Radic8 technology

The Reactor Chamber is the heart of VIRUSKILLER™ and is the technology that turns a powerful air purifier into an uncompromising indoor air safety device.

Inside the Reactor Chamber is a series of high-power UV-C emitters, as well as a network of custom-developed titanium dioxide-coated filter tubes. When exposed to the emitted UV light, a photochemical reaction occurs on the surface of the filter tubes – a process called photocatalytic oxidation.



This produces compounds known as hydroxyl radicals, which act as a powerful disinfectant. Microorganisms such as viruses and bacteria that come into contact with these hydroxyls are broken down into trace amounts of harmless carbon dioxide and water.





VK Medi

The VK Medi is built for sensitive environments and medical spaces, where keeping the air clean is simply non-negotiable.

AIRFLOW
300-635 CFM

COVERAGE
165m², Laminar

APPLICATIONS
Surgeries, laboratories, intensive care units, high care facilities



VK 102

The VK 102 is ideal for mission-critical public environments where the most powerful active decontamination is required.

AIRFLOW
200-388 CFM

COVERAGE
165m²

APPLICATIONS
General wards, nursing homes, cafeterias, auditoriums, gyms



VK 103

The VK 103 is the go-anywhere workhorse of the range, providing breathing-zone protection to larger public and open-plan spaces of all kinds.

AIRFLOW
200-358 CFM

COVERAGE
150m²

APPLICATIONS
Classrooms, retail stores, restaurants, offices, waiting rooms



VK 401

A versatile, all-in-one clean air device for small to medium spaces, the VK 401 is great for protecting the breathing zone between two people.

AIRFLOW
70-141 CFM

COVERAGE
60m²

APPLICATIONS
Dental surgeries, restrooms, private offices, classrooms



Hextio

Hextio is your personal clean air companion, designed to deliver a direct flow of clean air from your desk, countertop, or bedside table.

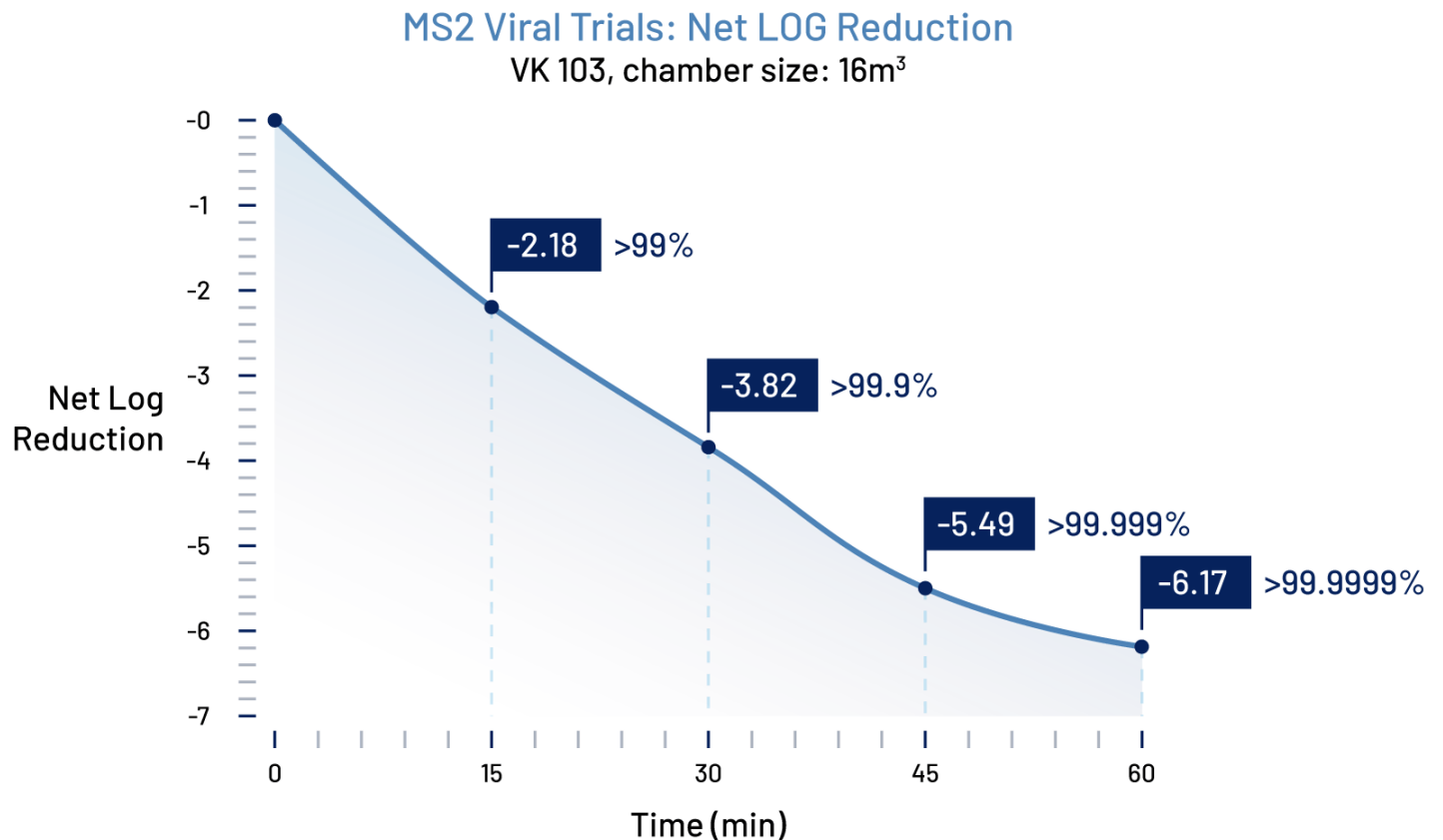
AIRFLOW
12-20 CFM

COVERAGE
Personal

APPLICATIONS
Bedside tables, desks, reception counters

RESEARCH & ACCREDITATION

With almost two decades of research and development, Radic8 is at the forefront of indoor air safety and remains firmly committed to frequent testing to ensure that any and all claims are backed by experimental and real-world data. Radic8 actively engages with leading laboratories, universities, and bioaerosol experts to bolster its research.



ARE Laboratories, USA

CHAMBER 16m ² , 35min VIRUS	Challenge	Result
	MS2	4.0 net log or 99.99% reduction within 35 minutes or less 6.17 net log (greater than 99.9999%) reduction within 60 minutes

Radic8 is committed to continuous scientific testing and VIRUSKILLER™ devices undergo regular testing to ensure compliance with global health and safety standards.

CREM Co Laboratories, Canada

CHAMBER 26m ² , 28min VIRUSES	Challenge	Result
	Airborne: Cystovirus Phi6	99.997% reduction - Radic8 technology exceeds the minimum level of 99.9% reduction as dictated by US EPA guidelines (OCSP 810.2500) - Radic8 technology reduces pathogen levels by up to 4 times faster than natural decay.
	Surface: Cystovirus Phi6	99.81% surface contamination prevention

KCL Labs, South Korea

CHAMBER 4m ² , 120min GASES	Challenge	Reduction
	Ammonia	63-79%
	Acetic Acid	100%
	Toluene	100%
	Formaldehyde	71-95%

KCL Labs, South Korea

CHAMBER 4m ² , 120min GASES	Challenge	Reduction
	NO ₂	99.5%

VIMTA Labs, India

SINGLE AIR PASS VIRUSES	Challenge	Result
	SARS-Cov-2 Influenza A Strain H1 Influenza A Strain H3 Influenza B Respiratory Syncytial A Respiratory Syncytial B	Qualitative: No pathogen detected
SINGLE AIR PASS BACTERIA	C. pneumoniae M. pneumoniae L. pneumophila B. pertussis B. parapertussis S. pneumoniae H. Influenzae	Qualitative: No pathogen detected



JOIN THE CLEAN AIR COMMUNITY

A VIRUSKILLER™ for every space

With installations in dental surgeries, medical practices, hospitals, nursing homes, pharmacies, schools, hotels, and restaurants, Radic8 – together with its trusted global network of distributors – is solving the problems associated with poor indoor air quality one space at a time.

