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Good Air. Happy People. Better Business.





# Breathe easy

We at DANVITA understand the importance of healthy air in various commercial spaces, where impure indoor air could severely affect your business and the health of your patrons.

Providing clean air is not a choice, but a conscious decision. Every establishment needs to ensure a safe and healthy environment. Health hazards lurk in the air we breathe. Foul gases, smoke, harmful viruses, bacteria, bad odor, etc. need to be arrested for us to breathe freely and feel safe. Besides conserving the planet, filtered air is about protecting ourselves. When indoor spaces, be it offices, schools, gyms, cafés and physicians' rooms, ensure good air quality, they make for healthy, happy, energized people thereby creating a better environment for business!

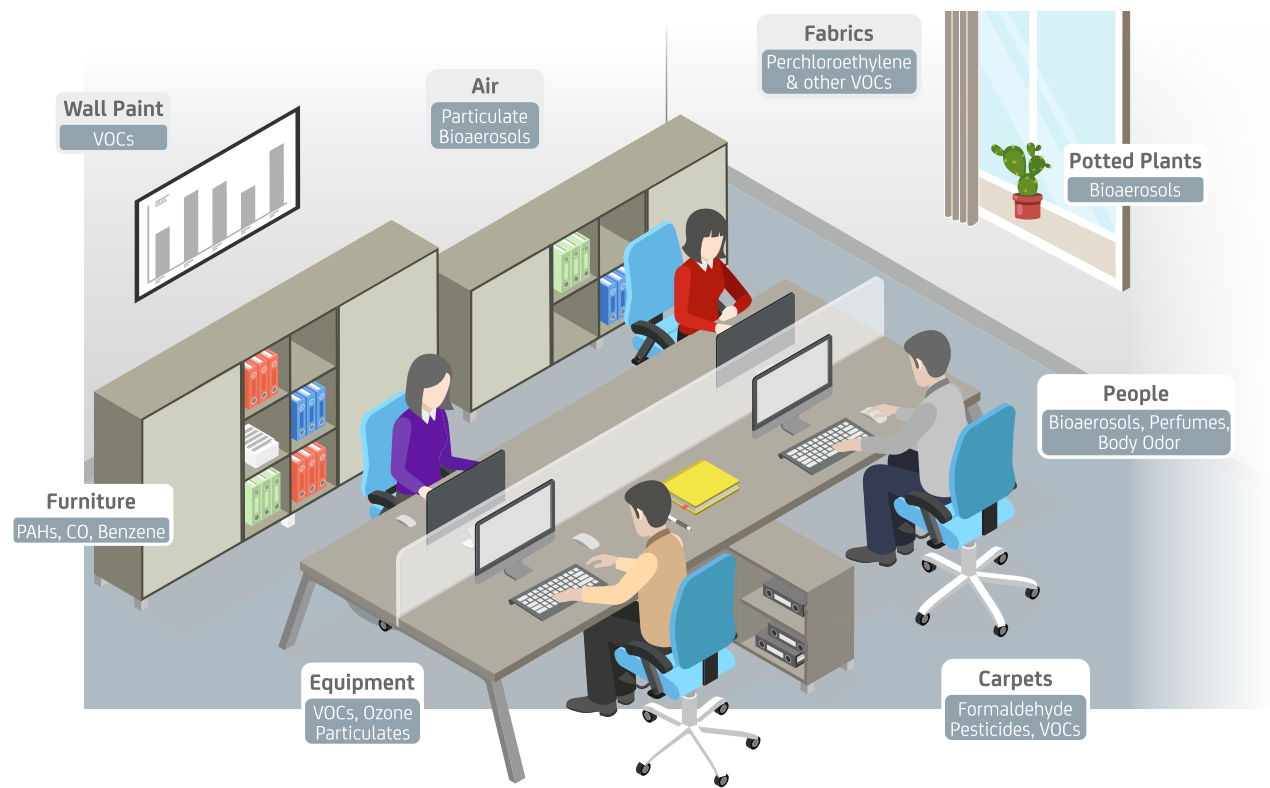
It is a small step towards a big impact, leading to a better tomorrow.



# Understanding Indoor Air Pollution

The World Health Organisation has labelled indoor air pollution as 'the world's largest single environmental health risk.' We usually think of air pollution as being outdoors, but the air indoors too could be polluted. Adverse health due to indoor air pollutants could be experienced soon after exposure, or possibly, years later.

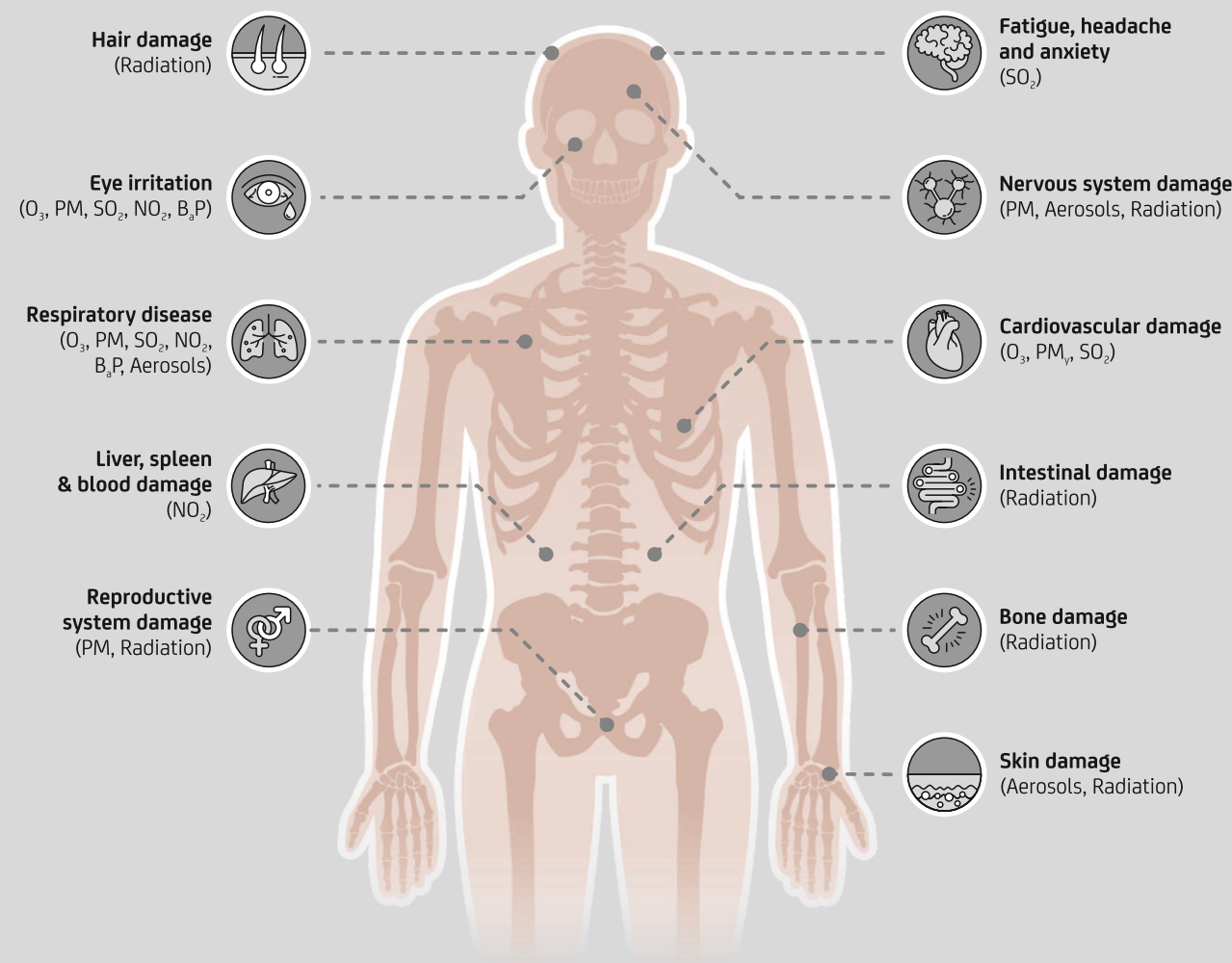
Understanding and controlling common indoor air pollutants can help reduce health concerns.



## How Air-pollutants Impact Health

**7 million people die every year from air pollution.**

Usually, indoor air pollution causes discomfort, wherein most people feel better as soon as they move out of the polluted space. But some pollutants can cause diseases that show up much later, such as respiratory disorders, viral infections, allergies, to name a few.



Tropospheric ozone ( $O_3$ ), Particulate matter (PM), Sulphur dioxide ( $SO_2$ ), Nitrogen dioxide ( $NO_2$ ), Benzopyrene (B<sub>2</sub>P)

## Common Indoor Air-pollutants

We can encounter pollutants in almost all indoor spaces - from crowded lobbies, offices, shops, restaurants and gyms, to doctors' clinics, schools and universities. Carpets, air-fresheners, cleaning agents, organic matter, etc. all generate pollutants.

A few prominent pollutants are:

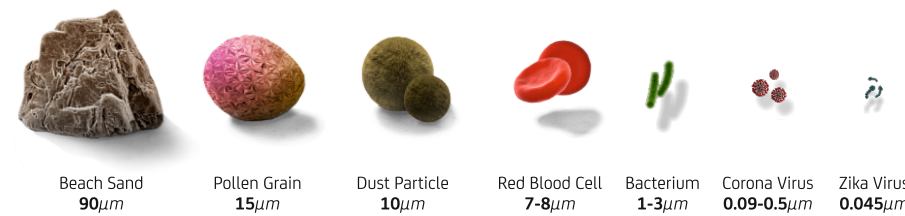
- VOCs such as toluene, formaldehyde, acetone, hydrocarbons, etc.
- Lead dust, fertilizers, animal waste, dust mites, insects
- Biological contaminants
- Alcohol, chlorine, ammonia, & petroleum-based solvents
- Oxides of nitrogen & sulphur, ozone, carbon monoxide and smoke
- Bacteria and odor from left-over food
- Aerosol or virus contained in exhaled air
- Allergen components



## The Relative Size of Pollutants

Some of the biggest threats are also the most microscopic. A particle needs to be less than 10 microns ( $\mu m$ ) for it to be inhaled into the respiratory tract.

But just how small are some of these?





Danvita is pleased to introduce Vita-Aire™ our **Engineered Air Purification System (EAPS)** that we believe will break the monotony of a standard appliance design.

Vita-Aire™ improves indoor air quality while seamlessly blending in with any interior space.

Some of Vita-Aire’s salient features are:

- Contemporary and minimal design to blend seamlessly into any interior space.
- With air intakes and outlets on all 4 sides, the EAPS enables optimum, all round air circulation, providing rapid removal of contaminants and replenishment with purified air.
- Contaminant particulate control by employing HEPA, H13 and MERV 13 anti-microbial filters.
- Effective contaminant control by arresting 99.99% of aerosols carrying viruses, bacteria, mold and smoke.
- Power-saving, low noise ECM motor equipped with potentiometer for variable speed and air flow control.
- Maintenance-friendly with a unique ‘slide-in, slide-out’ mechanism for each internal component for ease of servicing or replaceability.



Technical Specification

Air Flow Nominal	1,150 CFM
Coverage	12,000 Cubic feet or 1,200 sq. feet area @ 5.5 Air Change / hour
Voltage	115V provided with a 5-15P cord + Plug
Motor Efficiency	IE4 (ECM) Electronically Commutated Motor
Noise Level	70 dB at 3 feet
Filled Weight	~ 400 Lbs
Dimensions L x W x H	29 x 29 x 68 inches
Air flow directions	Bottom suction and top discharge
Energy Consumption	800 W
Material	Coated Steel with ABS plastic louvers and end caps

Air You Can Trust

- **Arrests 99.99% of airborne particles and aerosols carrying viruses, bacteria, mold and smoke.**
- Holds up to 100 lbs of granular chemical Vita-Aire™ media
- Applies Gas Phase Molecular Filtration ensuring removal of harmful, toxic, corrosive and foul smell and odorous gases
- Built-in HEPA filtration for harmful particulate matter
- Anti-Microbial filter that destroys micro-organisms such as bacteria, fungi, mold spores and other airborne contaminants.
- Pre-filters and after filters provided thereby increasing the life and utility of the HEPA and antimicrobial filters.
- UL certified High efficiency ECM Fan Motor
- Provided with industrial grade differential pressure gauge indicating filter life
- Plug in and play operation
- Provided with Castor wheel for mobility and Door locks with key for safety
- Insulated double walled construction for quite operation and robust construction
- Contemporary design offered in 3 different colors equipped with ABS plastic louvers





## Color Options Available



White



Grey Blue



Black

## Vita-Aire™ Applications

- Gyms, Locker rooms, Spin classes, Cycling & Yoga studios.
- Class rooms, Schools, Universities, Cafeterias.
- Commercial and Retail establishments, Offices, Banks.
- Food and Beverage establishments.
- Dental clinics, Physicians' rooms, Clinics & Child Care centres.
- Retirement homes.
- Cosmetic stores, Hair salons, Nail bars and Malls.
- Supermarkets and Grocery stores.
- Car showrooms, Hotels.
- Server rooms, Control rooms, Emergency operation centres









# About Us

Our founder, Late Mr. Kailash Ruia was a pioneer in automotive AC systems and OEM coils & condensers for HVAC and Refrigeration equipment in India. His vision was to be a global leader and first choice in design and supply of every product he offered. 'Customer first', besides honesty and ethics were his core principles which continue to guide Danvita's leadership and employees to date.

Danvita, about 18 years ago, diversified into design and manufacturing of air-purification systems in India. With **Vita-Aire™** it now plans to expand its footprint in North America. This includes a complete 360° solution, from understanding local spaces & environment dynamics, creating contemporary designs to manufacture and seamlessly supply and service the units.

Danvita is proud of its 41 years of experience in design & manufacturing and its global business expertise. With offices in India and USA, along with warehouses in multiple locations, feeding into Canada, Mexico and Central America, we ensure competitive pricing, prompt response, efficient supply chain management, whilst investing in the latest manufacturing and process technologies.

Danvita plants are ISO and IATF-16949 certified ensuring highest quality standards.



# Testing and Certification

At Danvita, quality assurance is a way of life. Our products are manufactured using the best materials and components with technologically advanced machinery. Necessary operating test is carried out on every VITA-AIRE unit to ensure they are of the highest quality standard.

**Vita-Aire™ 2021 unit has been tested at an accredited biological lab for the removal efficiencies of virus, bacteria and dust particles.**

<b>Bacteria Organism</b> S.Aureus & similar	<b>99.66% reduction in 60 minutes</b>
<b>Virus Organism</b> Phi X 174 & similar	<b>99.99 % reduction in 90 minutes</b> (Note, Covid-19 virus is 3 times the size of our tested culture thereby easily and quickly arrested by Vita-Aire™ )

*This product is not intended for medical use. All pictures shown are for illustration purpose only. Actual product may vary due to product enhancement.*

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