

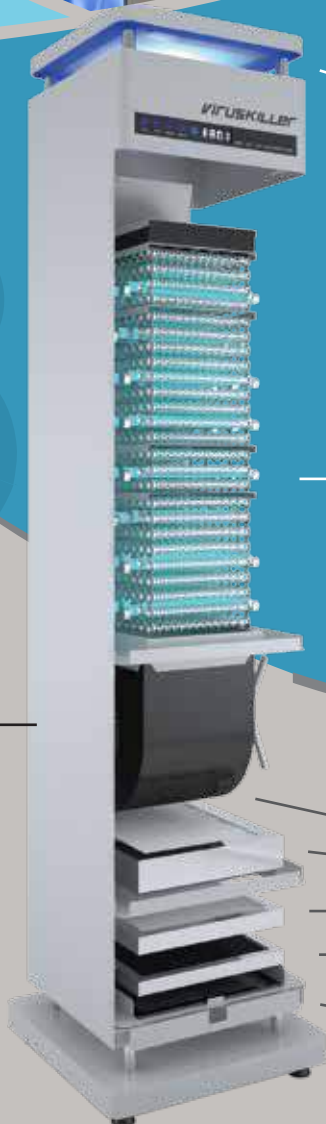


THE MOST EFFICIENT AND COST EFFECTIVE

AIR STERILISATION TECHNOLOGY FOR HEALTHCARE ENVIRONMENTS

RADIC 8

VK 002



- 4 WAY AIR FLOW
- AIR SENSOR MATRIX & INTELLIGENT IAQ DISPLAY WITH AUTOMATIC FUNCTION MODES

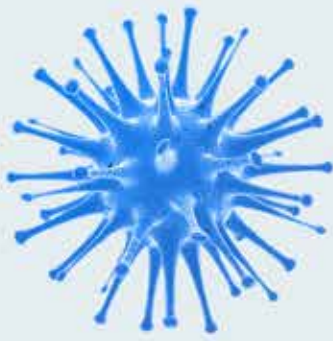
- PATENTED STERILISATION CHAMBER
- 16 POWERFUL UV LAMPS
- 135 CHROME COATED NANO TiO₂ FILTER TUBES
- LOOSE ACTIVATED CARBON

1/2 SOLUTION

1/2 SOLUTION

- PREMIUM SIROCCO FAN
- 50 MM THICK HEPA FILTER (NANO SILVER COATED)
- 25 MM THICK MEDIUM FILTER (NANO SILVER COATED)
- 20 MM THICK CARBON FILTER
- 5 MM PRE FILTER

99.9999% Destruction of ALL respiratory viruses



AIRBORNE VIRUSES AND AIR PURIFIERS

THE TRUTH

Many air purifier manufacturers boldly state that their products are effective on viruses and bacteria..... We say- **PROVE IT!**

Our experience shows us that in order to tackle respiratory viruses effectively they have to be properly sterilised and this requires the right technology.

All respiratory viruses fall into one of four main category groups and in order to state that a product is effective against viruses - it should have been tested in each of the four categories.

The Viruskiller technology has been tested in each of the four respiratory virus categories and achieved the highest possible results:

1.) Influenza Virus
99.9999% destruction

2.) Corona Virus
99.9999% destruction

3.) Adeno Virus
99.9999% Destruction

4.) Polio Virus 99.9999%

OUR SURVEY SHOWED US THAT

94 % OF PEOPLE

ARE CONCERNED ABOUT CROSS CONTAMINATION IN DOCTOR & HEALTH CENTRE WAITING AREAS

23 % OF PEOPLE ASKED WILL ONLY VISIT THEIR DOCTOR WHEN ABSOLUTELY NECESSARY BECAUSE OF THIS

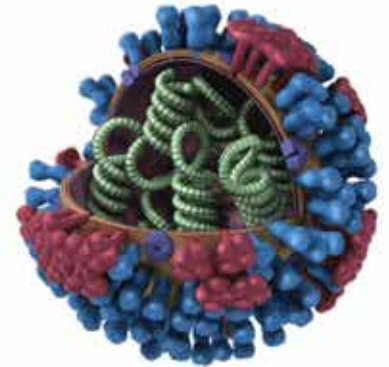
30 % OF PEOPLE WITH THE FLU DO NOT REALISE THEY ARE INFECTED.

IT IS NOT ALWAYS OBVIOUS



RADIC 8

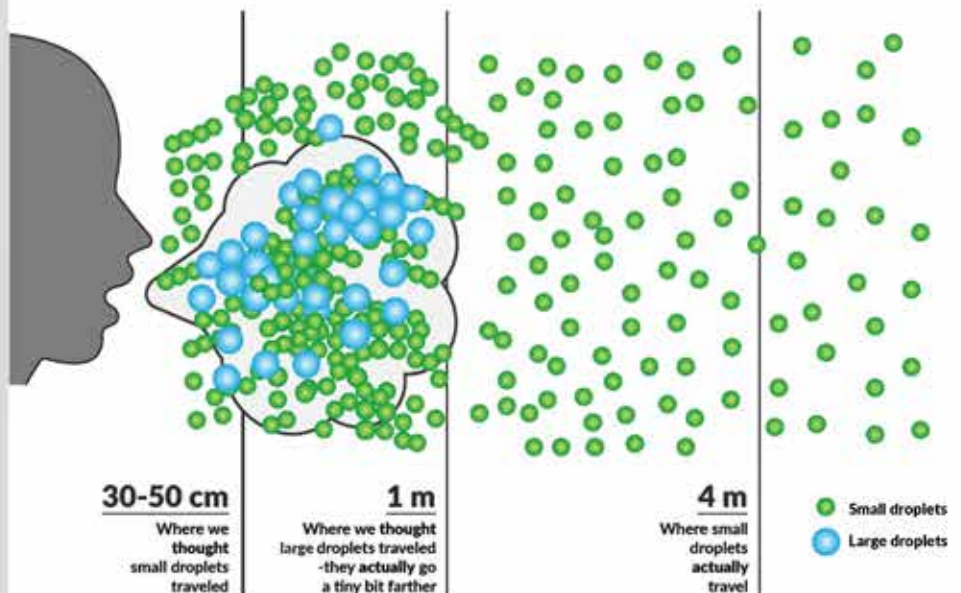
INFLUENZA IS ONE OF THE MOST COMMON, AND SERIOUS, RESPIRATORY INFECTIONS OF HUMANS, WITH 3 TO 5 MILLION CASES OCCURRING ANNUALLY WORLDWIDE, RESULTING IN 250,000 TO 500,000 DEATHS...



UP TO 25% OF ELDERLY PEOPLE IN NURSING AND RETIREMENT HOMES WHO CATCH INFLUENZA DIE, WOULD YOU WANT YOUR LOVED ONES PROTECTING FROM THIS IN FLU SEASON?

HOW FAR CAN VIRUSES TRAVEL IN THE AIR?

Below you can see how far a sneeze can initially carry viruses but unfortunately this is not the end of it. The small droplets carrying viruses will hang around in the air for some time and be carried by airflow, especially in shared ventilation areas and open plan areas. Employees in open plan offices are 65% more likely to contract disease than those in enclosed officesand what about schools, waiting rooms, nurseries, public spaces etc.



SMALL DROPLETS CAN TRAVEL EIGHT METERS AT A SPEED OF UP TO 200 MILES PER HOUR
SMALL DROPLETS CAN BE CARRIED AROUND WITH AIRFLOW FOR OVER AN HOUR

THIS IS WHY WE BRANDED IT VIRUSKILLER!



We Share
Clean Air

In 2016 Radic8 teamed up with INBair and became two specialist air purification companies working together with one common goal: **To Share Clean Air**

Air pollution has become the earth's biggest environmental health threat and we have some of the world's leading technology to help protect people in indoor environments from this threat. In bringing you our technology - **We Share Clean Air**

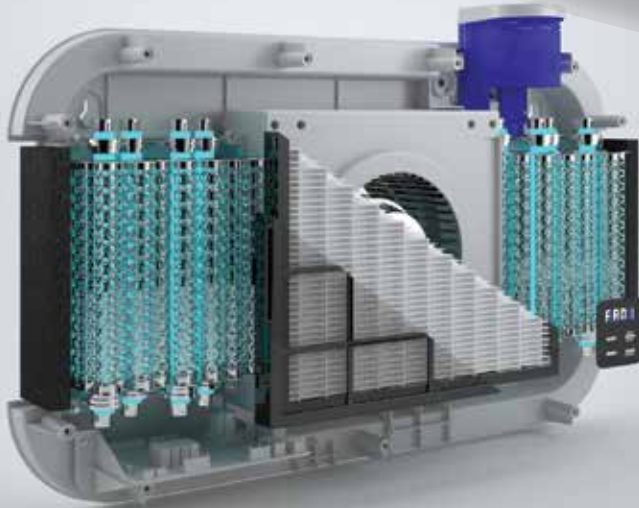
THIS IS OUR MISSION

Every commercial installation of the Radic8 / INBair technology will benefit from the positive advertising of Sharing Clean Air, they will receive We Share Clean Air advertising materials and go onto the interactive We Share Clean Air database and map. www.WeShareCleanAir.com





VK BLUE



Compact + full of technology

For spaces up to 60m²



- examination rooms
- patient rooms
- waiting areas
- surgeries
- diagnostic imaging
- screening rooms
- ambulances
- accident & emergency
- microbiology
- ear, nose and throat
- maternity & neonatal
- pharmacy
- dentistry
- elderly care
- toilets
- bathrooms
- corridors
- food preparation
- eating areas

Installed & trusted in thousands of healthcare settings worldwide

Model : VK Blue

Max Usage Area: 60m²

Max Electricity Consumption: 95 W

Weight: 8KG

Size: 640 x 380 x 165 mm

Installation: Wall Hung or Surface Stood

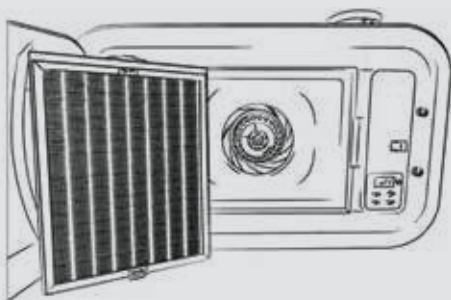
Washable Pre Filter

Nano Silver Coated Hepa
Change every 2000 hours – unit alerts

Activated Carbon Filters
Change with sterilisation chamber

Sterilisation Chamber -8 UV Lights & 40 Chromed TiO₂ Filters

Change every 8000 hours – unit alerts

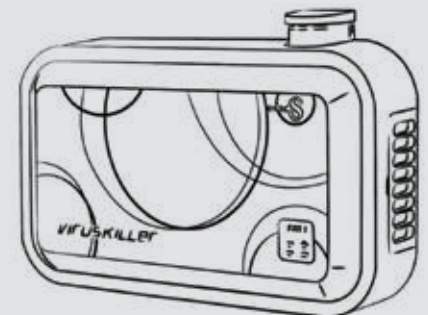


Stage 1

Pre filter + Hepa filter to filter out particulates

Stage 2

8 UV lights plus 40 Titanium dioxide nano coated filter tubes to sterilise all other air pollutants.



Stage 3

Activated Carbon Filters for final air polishing.



VK 002

- waiting rooms
- wards
- reception areas
- surgeries
- diagnostic imaging
- screening rooms
- accident & emergency
- **microbiology**
- ear, nose and throat
- maternity & neonatal
- pharmacy
- dentistry
- elderly care
- communal areas
- corridors
- eating areas
- staff rooms

For Areas Up To 100 m²

Model : VK 002

Max Usage Area: 99 m²

Max Electricity Consumption: 280 W

Weight: 38KG

Size: 1220 x 380 x 380 mm

Installation: Surface Stood

Washable Pre Filter

50mm Nano Silver Coated Hepa
Change every 4000 hours - unit alerts

20 mm Activated Carbon Filters
Change every 4000 hours

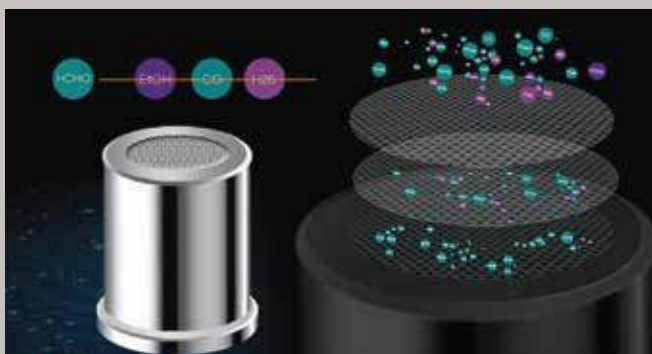
25mm Nano Silver Coated Medium Filter – Change 4000 hours

POWERFUL DOUBLE INLET SIROCCO FAN

Sterilisation Chamber -8 UV Lights & 70 Chromed TiO₂ Filters

Change every 8000 hours - unit alerts

The VK002, VK102 and VK Medi models have integrated Dust / Germ / VOC sensors which constantly sample the air and enable the units to react intelligently to any pollution detected, turning the fan higher until the pollution has been neutralised. This feature makes the units automatic and allows a simple plug and play installation.



PRECISION SEMICONDUCTOR SENSOR



LAZER SCATTERING PARTICLE TECHNOLOGY



VK 102



- waiting rooms
- wards
- reception areas
- surgeries
- diagnostic imaging
- screening rooms
- accident & emergency
- **microbiology**
- ear, nose and throat
- maternity & neonatal
- pharmacy
- dentistry
- elderly care
- communal areas
- corridors
- eating areas
- staff rooms

For areas up to 165m²

Model : VK 102

Max Usage Area: 165 m²

Max Electricity Consumption: 350 W

Weight: 46KG

Size: 1570 x 380 x 380 mm

Installation: Surface Stood

Washable Pre Filter

50mm Nano Silver Coated Hepa
Change every 4000 hours

20mm Activated Carbon Filters
Change every 4000 hours

225mm Nano Silver Coated Medium Filter-Change every 4000 hours POWERFUL DOUBLE INLET SIROCCO FAN

Sterilisation Chamber -8 UV Lights & 70 Chromed TiO₂ Filters

Change every 8000 hours – unit alerts



We Share Clean Air – this is our mission and our top priority.

Most companies who make products for the healthcare sector charge unrealistically high prices, we do not. We want to share as much clean air as possible around the world in as many sectors as we can – not just healthcare.

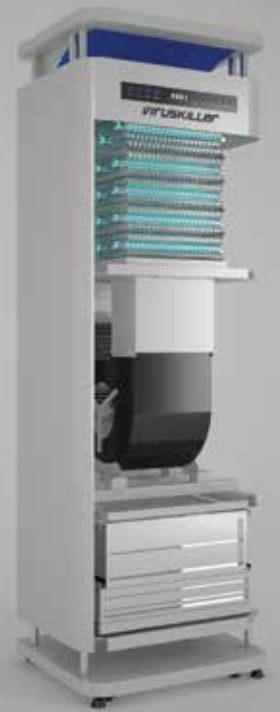
We offer the best products at the best prices and encourage you to look at competitor products, their test results and their pricing.

With Radic8, the benefits of sharing truly clean air are always greater than the cost.





VK MEDI



The new **VK Medi** is Radic8's flagship product boasting industry leading **filtration, sterilisation and airflow.**

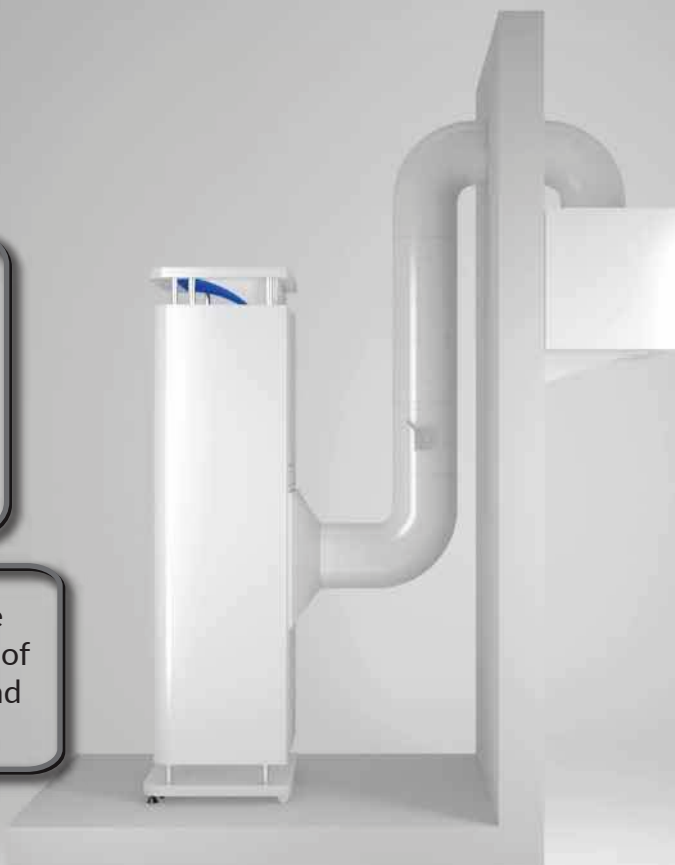
The optional positive pressure, **CO & CO₂** controls and air conditioning features make the VK Medi **truly unique.** If you want the very best – this product is for you.

Optional duct extension for the most efficient and cost effective method of creating positive pressure

Optional unique patented method of controlling **CO** and **CO₂** levels

Optional temperature control to heat or cool incoming air

We will gladly send you more information on the VK Medi



Test Results

Accurate test data is very important, especially when there are many companies making similar claims. We believe that if we state it then we should prove it. The Radic8 sterilisation chamber has been vigorously tested by many independent facilities and institutions and the results on airborne pathogens are the same for all of the Viruskiller range. We have also put each model through the standard test results for air flow and particulate matter as they vary dependent on filters and fans used.

Please feel free to ask for further verification.

Experiment for inactivation of major airborne viruses

Kinds of Virus		Quantity of Virus	Result of Experiment	Remarks
Polio Virus	Experiment 1	10 ⁶ PFU/100m ²	None detection (99.9999%)	Test by Institute of Medical Science & Department of Microbiology (Virus Reference Laboratory Designated by Environment Research Center)
	Experiment 2	10 ⁶ PFU/100m ²	None detection (99.9999%)	
	Experiment 3	10 ⁶ PFU/100m ²	None detection (99.9999%)	
Influenza Virus	Experiment 1	10 ⁶ TCID/100m ²	None detection (99.9999%)	
	Experiment 2	10 ⁶ TCID/100m ²	None detection (99.9999%)	
	Experiment 3	10 ⁶ TCID/100m ²	None detection (99.9999%)	
Adeno Virus	Experiment 1	10 ⁶ TCID/100m ²	None detection (99.9999%)	
	Experiment 2	10 ⁶ TCID/100m ²	None detection (99.9999%)	
	Experiment 3	10 ⁶ TCID/100m ²	None detection (99.9999%)	
Corona Virus	Experiment 1	10 ⁶ PFU/50m ²	None detection (99.9999%)	
	Experiment 2	10 ⁶ PFU/50m ²	None detection (99.9999%)	
	Experiment 3	10 ⁶ PFU/50m ²	None detection (99.9999%)	

Removal ability of various Bacilluses and Fungus

Kind and Classification of Strain	Strain dosage	Detected amount of Strain	Remarks	
S. aureus subsp. aureus KCTC 1928	Experimental group 1	10 ⁶ /30ml	None detection (99.9999%)	University and medical research center test results
	Experimental group 2	10 ⁶ /30ml	None detection (99.9999%)	
	Experimental group 3	10 ⁶ /30ml	None detection (99.9999%)	
	Positive Control Group	10 ⁶ /30ml	256	
	Negative Control Group	0/30ml	None detection (99.9999%)	
S. pyogenes KCTC 3096	Experimental group 1	10 ⁶ /30ml	None detection (99.9999%)	
	Experimental group 2	10 ⁶ /30ml	None detection (99.9999%)	
	Experimental group 3	10 ⁶ /30ml	None detection (99.9999%)	
	Positive Control Group	10 ⁶ /30ml	290	
	Negative Control Group	0/30ml	None detection (99.9999%)	
S. pneumoniae KCTC 2241	Experimental group 1	10 ⁶ /30ml	None detection (99.9999%)	
	Experimental group 2	10 ⁶ /30ml	None detection (99.9999%)	
	Experimental group 3	10 ⁶ /30ml	None detection (99.9999%)	
	Positive Control Group	10 ⁶ /30ml	312	
	Negative Control Group	0/30ml	None detection (99.9999%)	
E. coli DH 5a	Experimental group 1	10 ⁶ /30ml	None detection (99.9999%)	
	Experimental group 2	10 ⁶ /30ml	None detection (99.9999%)	
	Experimental group 3	10 ⁶ /30ml	None detection (99.9999%)	
	Positive Control Group	10 ⁶ /30ml	275	
	Negative Control Group	0/30ml	None detection (99.9999%)	
K. pneumoniae KCTC	Experimental group 1	10 ⁶ /30ml	None detection (99.9999%)	
	Experimental group 2	10 ⁶ /30ml	None detection (99.9999%)	
	Experimental group 3	10 ⁶ /30ml	None detection (99.9999%)	
	Positive Control Group	10 ⁶ /30ml	391	
	Negative Control Group	0/30ml	None detection (99.9999%)	
A. niger KCTC 6089	Experimental group 1	10 ⁶ /30ml	None detection (99.9999%)	
	Experimental group 2	10 ⁶ /30ml	None detection (99.9999%)	
	Experimental group 3	10 ⁶ /30ml	None detection (99.9999%)	
	Positive Control Group	10 ⁶ /30ml	much	
	Negative Control Group	0/30ml	None detection (99.9999%)	
R. cryzae KCTC 6062	Experimental group 1	10 ⁶ /30ml	None detection (99.9999%)	
	Experimental group 2	10 ⁶ /30ml	None detection (99.9999%)	
	Experimental group 3	10 ⁶ /30ml	None detection (99.9999%)	
	Positive Control Group	10 ⁶ /30ml	much	
	Negative Control Group	0/30ml	None detection (99.9999%)	

Removal ability of various harmful gas

Description	30 Minutes	60 Minutes	90 Minutes	120 Minutes	Remarks
Ammonia Gas	62%	71%	76%	79%	International laboratory test results
Acetaldehyde	91%	97%	98%	100%	
Acetic acid	100%	100%	100%	100%	
Toluene	100%	100%	100%	100%	
Formaldehyde	84%	93%	95%	95%	

IN SUMMARY:

99.99% Virus Destruction

Viruskiller by Radic8 can inactivate all kinds of viruses through the means of destroying the nucleic acid (DNA and RNA) of a virus with Ultraviolet Rays (UVC) and Hydroxyl Radicals (-OH).

Test conducted By: The Virus Testing Institute designated by the National Environmental Research Centre (Test Report No.3).

Test Results: Proved that the Viruskiller inactivates influenza viruses, coronavirus, poliovirus and adenovirus.

99.99% Sterilisation of not only respiratory viruses but also of fungus

With the strong sterilisation power of the reactor module, Viruskiller by Radic8 can sterilise not only the respiratory viruses but can also remove fungus, which is difficult to disinfect.

Test Conducted By: The Testing Institute.

Test Results: Proved that the Viruskiller sterilises pneumonia virus, Klebsiella pneumoniae, tubercle bacillus, colon bacillus, Staphylococcus pyogenes and Aspergillus niger.

99.90% Fine dust removal capacity

The removal rate for removing fine dust which causes pulmonary disease has shown to reach up to 99% and also its capacity for removal of fine dust satisfies the requirements of the KS Standard (KS-C-9314) for Air Purifiers.

Test Conducted By: KOLAS, Internationally Certified Testing Institute (Test Report No. KT-359)

Test Results: Showed a fine dust removal rate of 99% with fine dust removal capacity of 33.4g.

99% of Odor and toxic gas removal capacity

By using Hydroxyl Radicals (-OH) and the Deodorization Filter, it has been proved that Viruskiller can remove foul odor and toxic gas with the removal rate achieved for SO₂: 99% and NO₂: 98%, respectively.

Tested Conducted By: International Institute of Construction Materials.

All-around air circulation and powerful air blowing capacity.

The all-around air circulation system allows for effective sterilisation and purification in a short time.

The double suction outer rotor centrifugal fan quickly processes large amounts of air.

No ozone is created within the Viruskiller technology.

Test Conducted By: International Aerospace University.

Test Results: As the result of a Fluid Mechanics Test, Viruskiller achieves a superior performance of air circulation when compared to others in its class.



VIRUSKILLER®



TRAFFIC POLLUTION (PM10)

ALLERGIES (PM2.5)

DUST (PM10)

FORMALDEHYDE

VOCs

MOULD (PM2.5)

RADIC8
IAQ Monitor



Air Pathogens and Air Pollution are major health concerns that require the latest innovations and technology in order to combat them effectively.



Together Radic8 and INBair are sharing clean air with the world. For more information please contact your local Radic8 representative.



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HEXTO
Air purification x 10

WE ALL DESERVE CLEAN AIR